This public summary represents information on the following document. Neither the document nor the public summary has been reviewed by the regulatory agencies.

Public Summary: **Draft Landfill Gas Time-Critical Removal Action Closeout Report Parcel E, Hunters Point Shipyard, San Francisco, California March 19, 2004**

This report documents construction and operation activities and data collected during the landfill gas time-critical removal action (TCRA) at the Parcel E Industrial Landfill at Hunters Point Shipyard (HPS) in San Francisco, California.

The U.S. Department of the Navy (Navy) conducted an investigation to characterize the nature and extent of landfill gas at HPS. Investigation results showed that methane, a constituent of landfill gas, had migrated beyond the landfill into soils beneath the UCSF compound. With the cooperation of UCSF, the Navy conducted the TCRA to remove landfill gas and reduce methane concentrations to below 5 percent by volume in air.

During the TCRA, a gas control system was installed to prevent future migration of methane gas from the landfill site and a gas extraction system was installed to remove methane gas from the subsurface under the University of California, San Francisco (UCSF) compound. As part of the landfill gas control system, a barrier wall was installed between the landfill and the UCSF compound and four passive vents were installed between the landfill and the barrier wall. The system can be operated passively or actively to prevent landfill gas from migrating from the landfill onto the UCSF compound. The gas extraction system consists of 10 extraction wells, 5 gas monitoring probes (GMP), and 2 trailer-mounted extraction/treatment systems. The GMPs were installed within the UCSF compound to provide data on the gas extraction system. The trailer-mounted extraction/treatment systems, each consisting of extraction blowers, a moisture separator tank, flow meter, and pollution control filters, were used to treat gas extracted from below the UCSF compound. In addition to the five GMPs on the UCSF compound, 21 GMPs located on Crisp Avenue and Navy property were used to monitor the effectiveness of the TCRA.

The following conclusions were made based on the results of the landfill gas TCRA:

- Active extraction reduced methane concentrations in extraction wells and GMPs on the UCSF compound to below the TCRA goal of 5 percent.

- Four months after active extraction was completed, methane concentrations in the extraction wells and GMPs on the UCSF compound remained below the TCRA goals, indicating that the gas control system was working effectively to prevent methane migration.

In addition, the TCRA closeout report summarizes the Navy's concerns with the continued operation of the landfill gas control system, the investigation conducted in support of their concerns, and the response actions implemented to address the concerns.

The Navy is developing an interim monitoring and control plan to define the activities necessary for continued monitoring of the gas control system.

Information Repositories: A copy of the "Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California" dated March 19, 2004, is available to community members at the following locations:

San Francisco Main Library
100 Larkin Street
Government Information Center, 5th Floor
San Francisco, CA 94102
Phone: (415) 557-4500

Anna E. Waden Library
5075 Third Street
San Francisco, CA 94124
Phone: (415) 715-4100

The report is also available to community members upon request to the Navy.

For more information about environmental investigation and cleanup at Hunters Point Shipyard, contact Mr. Keith S. Forman of the Navy at (619) 532-0913 (phone), (619) 532-0995 (facsimile), or keith.s.forman@navy.mil (e-mail).

A-E CERCLA/RCRA/UST STUDIES AND REMEDIAL DESIGN

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Hunters Point Shipyard San Francisco, California

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LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

Parcel E, Hunters Point Shipyard
San Francisco, California

March 19, 2004

Prepared for

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ACRONYMS AND ABBREVIATIONS

27 CCR	Title 27 *California Code of Regulations*
ARAR	Applicable or relevant and appropriate requirement
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
Bay	San Francisco Bay
bgs	Below ground surface
Cooper Crane	Cooper Crane and Rigging, Inc.
DO	Delivery Order
EPA	U.S. Environmental Protection Agency
eV	Electron volt
GMP	Gas monitoring probe
Gregg Drilling	Gregg Drilling and Testing, Inc.
GSE	Gundle/SLT Environmental, Inc.
HDPE	High-density polyethylene
HPS	Hunters Point Shipyard
HSO	Health and safety officer
HSP	Health and safety plan
IR-01/21	Installation Restoration Site 01/21
ITSI	Innovative Technical Solutions, Inc.
LEL	Lower explosive limit
lf	Linear feet
Navy	U.S. Department of the Navy
NMOC	Nonmethane organic compound
PCB	Polychlorinated biphenyl
PID	Photoionization detector
ppm	Parts per million
PV	Passive vent
PVC	Polyvinyl chloride
RAB	Restoration Advisory Board
ROI	Radius of influence

ACRONYMS AND ABBREVIATIONS (Continued)

SVOC	Semivolatile organic compound
TCRA	Time-critical removal action
Tetra Tech	Tetra Tech EM Inc.
UCSF	University of California, San Francisco
VOC	Volatile organic compound
yd^3	Cubic yard

1.0 INTRODUCTION

Tetra Tech EM Inc. (Tetra Tech) received Delivery Order (DO) 057 from the U.S. Department of the Navy (Navy), Naval Facilities Engineering Command, Southwest Division, under Indefinite Quantity Contract for Architectural–Engineering Services to Provide CERCLA/RCRA/UST Studies No. N68711-00-D-0005. Under this contract, Tetra Tech provides technical support at Hunters Point Shipyard (HPS) in San Francisco, California. Under DO 057, Task 17, Tetra Tech is supporting development of this landfill gas time-critical removal action (TCRA) closeout report.

The Navy undertook a TCRA in response to the detection of subsurface methane gas at levels above 5 percent by volume in air, which is the lower explosive limit (LEL), near the Parcel E Industrial Landfill, Installation Restoration Site 01/21 (IR-01/21) at HPS. The TCRA was undertaken in accordance with Title 27 *California Code of Regulations* (27 CCR) 20921(a)(2) as an applicable or relevant and appropriate requirement (ARAR). The removal action involved installing a gas extraction system to remove methane gas from the subsurface under the University of California, San Francisco (UCSF) compound and installing a gas control system to prevent future migration of methane gas at levels above 5 percent from the landfill site. The extraction system consists of 10 extraction wells and 2 mobile extraction/treatment systems. The landfill gas control system consists of a barrier wall installed between the landfill and the UCSF compound and four vents/treatment systems installed between the landfill and the barrier wall. Five gas monitoring probes (GMP) were installed within the UCSF compound to provide data in addition to the existing GMPs. The other GMPs were installed before the TCRA began. The landfill gas TCRA successfully met the cleanup goal specified in the action memorandum (Tetra Tech 2002c) of reducing methane concentrations on the UCSF compound and at the fence line to below 5 percent by volume in air.

This TCRA closeout report documents the successful construction, operation, and maintenance of the landfill gas extraction and control system and includes the following sections:

- Section 1.0 – Introduction, discusses the report purpose and organization and site background.
- Section 2.0 – Landfill Gas Extraction and Control System Construction, discusses actual field construction activities and explains any deviations from the landfill gas TCRA work plan (Innovative Technical Solutions, Inc. [ITSI] 2002c).
- Section 3.0 – Landfill Gas Extraction and Control System Operation and Maintenance, discusses actual field operation and maintenance activities and explains any deviations from the landfill gas TCRA work plan (ITSI 2002c).
- Section 4.0 – Gas Monitoring Results and Evaluation of System Operation, discusses the field monitoring data, the laboratory analytical data, and the system evaluation conducted based on the data.

- Section 5.0 – Conclusions and Recommendations, presents the conclusions and recommendations based on the evaluation of the operation of the landfill gas extraction and control systems.

- Section 6.0 – References, lists the documents that discuss Parcel E activities and history related to the landfill gas TCRA.

Figures and tables are presented following Section 6.0. The following appendices were used to prepare this report and are presented after the tables:

- Appendix A – Photographic Log (provided on compact disc only)

- Appendix B – As-Built Drawings (provided on compact disc only)

- Appendix C – Boring and Well Construction Logs (provided on compact disc only)

- Appendix D – Extraction, Monitoring, and Maintenance Plan (provided on compact disc only)

- Appendix E – Performance Monitoring Logs (provided on compact disc only)

- Appendix F – Analytical Results (provided on compact disc only)

- Appendix G – Evaluation of Vapor Intrusion Potential at the University of California, San Francisco Compound (Indoor Air Exposure Pathway)

- Appendix H – Quality Control Summary Report (provided on compact disc only)

- Appendix I – Landfill Gas Control System Maintenance

The following attachments containing externally prepared information were used to prepare this report and are presented after the appendices (provided on compact disc only):

- Attachment 1 – Air Monitoring Data

- Attachment 2 – Construction Disposal Records

- Attachment 3 – Contractor Submittals and Information Requests

1.1 SITE BACKGROUND

HPS is located in southeast San Francisco on a peninsula that extends east into San Francisco Bay (Bay) (Figure 1). HPS operated as a commercial dry dock facility until 1939, when the Navy purchased the property and expanded it into a naval shipyard. In 1974, the Navy ceased shipyard operations at HPS and transferred control of the property to its Office of the Supervisor

of Shipbuilding, Conversion, and Repair in San Francisco. Triple A Machine Shop, Inc. leased most of HPS in 1976, operating it as a commercial ship repair facility. In 1989, HPS was included on the National Priorities List. In 1991, HPS was slated for closure under the Defense Base Closure and Realignment Act of 1990.

In 1992, HPS was divided into five parcels, Parcels A through E, to aid in environmental investigation and cleanup activities. Parcel E consists of about 135 acres of shoreline and lowland coast along the western portion of HPS. Parcel E is bounded by the UCSF property and Parcel A to the north, Parcel D to the north and east, the Bay to the east and south, and off-base property to the west. Historically, Parcel E has been predominantly used as an industrial landfill; a waste, construction, and industrial materials storage area; and office and laboratory space for the Naval Radiological Defense Laboratory. Parcel E also contains the Golden Gate Railroad Museum, a former power plant, a former asphalt plant, a pier, and an electrical substation. Based on the City and County of San Francisco's redevelopment plan (City and County of San Francisco Redevelopment Agency 1997), Parcel E will accommodate open space, maritime, industrial, research and development, and mixed-use reuse.

The UCSF property is located directly north of and adjacent to the landfill and south of Crisp Avenue. A portion of the Parcel E landfill extends onto the unused southern portion of the UCSF property. The fenced portion of the UCSF property currently used as a laboratory facility is referred to as "the UCSF compound." The Golden Gate Railroad Museum is east of the UCSF compound. Figure 2 shows the Parcel E Industrial Landfill, the UCSF compound, and the surrounding area.

The landfill is in the northwestern portion of Parcel E in IR-01/21. The Navy disposed of construction debris, industrial waste, sandblast waste, domestic refuse, paints, and solvents in the landfill. The waste material consists of a combination of industrial waste from shipbuilding and repair operations and machine shops at the base, general office and motor pool waste, and municipal-type domestic waste. The resulting heterogeneous landfill waste varies from exclusively waste material to waste intermixed with soil fill. The waste covers 20.4 acres, and the depth to the top of the waste is about 7.5 feet below ground surface (bgs). The depth to the bottom of the waste is most often located at 18.5 to 25 feet bgs.

After shipyard operations at HPS ceased in 1974, the Navy implemented the following measures to close the landfill:

- Installed a storm water interceptor line to divert runoff from the hill area north of the landfill to an outfall
- Constructed a 1,000-foot-long dike of impervious clay along the shoreline of the landfill to minimize the flow of groundwater into the Bay
- Placed a minimum of 2 feet of compacted, imported fill on top of the landfill
- Graded the entire site to facilitate storm water drainage

In 1996, the Navy constructed an 800-foot-long sheet pile barrier and a groundwater extraction system between a portion of the landfill and shoreline (International Technology Corporation 1999); the barrier was designed to limit the migration of potentially contaminated shallow groundwater into the Bay.

In 2000, a 15-acre cap was constructed on the landfill to extinguish a fire and prevent air intrusion into the landfill (Tetra Tech 2003a). In 2002, the Navy conducted a landfill gas investigation (Tetra Tech 2002a) as part of the nonstandard data gaps investigation to characterize and delineate landfill gas at the Parcel E Industrial Landfill (Tetra Tech 2003b). This investigation included the following:

- Ambient air surveys
- Soil gas survey
- Installation of GMPs

1.2 LANDFILL GAS INVESTIGATION RESULTS

In April 2002, landfill gas was detected beyond the landfill's northern perimeter during a soil gas survey conducted as a part of the nonstandard data gaps investigation of Parcel E (Tetra Tech 2003b). Methane, a main component of landfill gas, was detected at levels above the LEL (5 percent by volume in air) in the subsurface areas surrounding the Parcel E Industrial Landfill and above ground at four areas located in the UCSF compound. Trace organic gases were also detected. Figure 3 shows methane concentrations at selected locations just prior to operating the extraction system. Soil gas probes were also advanced in various locations, and results are presented in the landfill gas characterization report (Tetra Tech 2003b).

Methane is a flammable and potentially explosive gas when mixed in a specific ratio with oxygen and provided a source of ignition. This gas mixture creates potential risks to nearby populations and the surrounding environment. The Navy conducted the landfill gas TCRA to comply with 27 CCR 20921(a)(2) as an ARAR and to reduce the risk of fire or explosion by removing methane concentrations in the subsurface at the UCSF compound to below the LEL.

1.3 TIME-CRITICAL REMOVAL ACTION GOALS

The primary goal of the landfill gas TCRA was to remove methane gas from the subsurface at the UCSF compound to below the LEL (5 percent by volume in air). A secondary goal was to prevent future landfill gas migration onto the UCSF compound at levels above 5 percent. The TCRA comprised three objectives to achieve these goals. First, a landfill gas extraction system was installed to remove methane from beneath the UCSF compound; the system consisted of 10 extraction wells, with 5 GMPs within the UCSF compound used to provide additional data. Second, a landfill gas control system was installed; the system consisted of a high-density polyethylene (HDPE) barrier wall with horizontal collection pipe and four passive vents (PV) to

prevent future methane migration from the landfill. Third, treatment systems were used to remove the extracted nonmethane organic compounds (NMOC) from the vented and extracted gas. Mobile extraction and treatment units, consisting of a blower, a moisture separator, a filter, two granular activated carbon vessels, and a permanganate impregnated zeolite vessel (Hydrosil), were attached to each active extraction well. The Hydrosil is used to remove NMOCs that can pass through the carbon vessels. Mobile vent and treatment units, consisting of a moisture separator, a filter, two granular activated carbon vessels, and the Hydrosil vessel, were attached to each of the four PVs. Figure 4 presents a conceptual cross section of the main components of the landfill gas extraction and control system.

2.0 LANDFILL GAS EXTRACTION AND CONTROL SYSTEM CONSTRUCTION

This section describes the procedures implemented during the construction phase of the landfill gas TCRA to ensure the following:

- The site was properly prepared for TCRA activities.
- Activities were conducted in accordance with safe work practices.
- Site construction elements were completed according to the work plan and project specifications.
- The site was restored in a manner requiring minimum long-term operation and maintenance.

The construction quality control objectives for this TCRA were to verify and document that the requirements of the design specifications and drawings and the project plans were properly implemented by all contractors, including ITSI; Gregg Drilling and Testing, Inc. (Gregg Drilling); Cooper Crane and Rigging, Inc. (Cooper Crane); Allied Waste Companies; Foresite Engineering Surveys; Hunter Surveying; McCampbell Analytical, Inc.; and Wolf Environmental Lining Systems. The work plan for the landfill gas TCRA (ITSI 2002c) detailed the organization and procedures used during the TCRA to ensure that the completed TCRA met or exceeded the expectations of the action memorandum (Tetra Tech 2002b).

The construction objectives included (1) implementing the design, (2) complying with ARARs, and (3) providing quality data to support the remedial investigation and feasibility study reports. Daily tailgate meetings, weekly project status meetings, and verbal direction facilitated communication among the team members to assure construction requirements were being met. Work instructions that pertained to or affected construction requirements were documented using various methods, including written correspondence, addenda to project plans, weekly site activities reports, daily reports, weekly meeting minutes, and field logbooks. Photographs and videotapes were also used to document that the work was performed in accordance with the applicable requirements. Appendix A contains representative project photographs.

The primary construction activities conducted at the site included the following:

- Health and safety
- Demolition, grading, and access road construction
- Installation of gas control system
- Installation of the gas extraction system
- Installation of a meteorological station
- Site management

2.1 HEALTH AND SAFETY

Health and safety issues were implemented and enforced using the procedures outlined in the health and safety plan (HSP) (ITSI 2002a, 2002b) and the basewide HSP (Tetra Tech 2002c). All subcontractors and visitors to the site were required to read and abide by the provisions of the HSPs. In addition, all subcontractor personnel were required to comply with Title 29 *Code of Federal Regulations* 1910.120 involving training, fit testing, and medical surveillance requirements. Each of the subcontractors was directly responsible for the health and safety of its employees.

2.1.1 Levels of Protection

The HSPs identified the potential contaminants at the site as methane, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCB), total petroleum hydrocarbons as diesel, total oil and grease, polynuclear aromatic hydrocarbons, radioactive materials, and metals. The anticipated exposure pathways for these contaminants included inhalation, dermal contact, and ingestion. Construction activities were carried out in Level D protection. Protective equipment for Level D consisted of coveralls or work clothes, steel-toed boots, disposable outer gloves, safety glasses or goggles, a hardhat, and hearing protection where noise levels exceeded 85 decibels. No work activities were undertaken that required upgrading to a higher level of protection.

2.1.2 Real-Time Air Monitoring

The ITSI health and safety officer (HSO) conducted real-time air monitoring in work zones throughout the project to ensure the levels of protection were adequate and to determine whether engineering controls or work practice modifications were required. At the beginning of excavation activities, the equipment operators and the HSO wore personal air monitoring pumps for sample collection during work hours. The filters were analyzed according to National Institute for Occupational Safety and Health 7400 methodology. The results indicated that

Level D protection for the breathing zone was adequate. Attachment 1 includes the analytical data summary report.

The ITSI HSO was on site at all times during work activities to provide continual real-time air monitoring as well as a full-time fire watch. Real-time monitoring was conducted using a MiniRae2000® photoionization detector (PID) to monitor for VOCs and a QRae Plus® four-gas meter for combustible gases. Action levels (greater than 5 percent LEL or 5 parts per million [ppm] for VOCs) in the breathing zone were not exceeded during the construction activities. Dust concentrations were minimized by implementing control measures such as wetting the area during excavation, backfilling, and grading operations as well as applying Rusmar® foam on soil stockpiles. All monitoring instruments were calibrated daily. Fire safety measures implemented during construction activities consisted of monitoring for combustible gases, preventing ignition sources in the area, and maintaining a supply of Class ABC fire extinguishers at each work site and in each vehicle. Spark- or flame-producing devices were kept away from combustible situations. A Victoreen 190 with a 480-110D probe was used to screen the working area for radioactive materials. New World Technology, a Radiological Affairs Support Office contractor, was mobilized during the excavation activities to screen every truckload of soil excavated for radioactivity. None of the excavated trench material triggered the radiological action levels.

2.1.3 Health and Safety Meetings

Tailgate health and safety meetings were conducted at the beginning of each shift to discuss safety concerns, proper working procedures, daily activities, incidents, and accident prevention. Attendance was mandatory, and all participating individuals were required to sign the health and safety meeting attendance sheet to verify attendance. Each contractor discussed planned activities, which facilitated coordination between contractors and made workers aware of ongoing activities at the site. Revisions in health and safety policies, reminders about safe work practices, and discussions of incidents and near-misses were discussed to improve job safety.

2.2 DEMOLITION, GRADING, AND ACCESS ROAD CONSTRUCTION

ITSI began demolition and grading activities in accordance with the design drawings after mobilizing to the site. Hunter Surveying, a California-certified professional land surveyor, installed two permanent benchmarks, IR01/21 BM#1 and IR01/21 BM#2, for horizontal and vertical control. Benchmarks IR01/21 BM#1 and IR01/21 BM#2 consist of brass hubs set in concrete, as shown on Figure 2. The location and elevation of the benchmarks are as follows:

- IR01/21 BM#1: northing 451372.63, easting 1458440.18, elevation 10.47
- IR01/21 BM#2: northing 450664.61, easting 1458076.05, elevation 10.23

Station locations are identified on as-built drawings C-02 through C-04 in Appendix B. In accordance with design drawings C-01 through C-03, Site Demolition and Grading Plan, originally presented in Attachment A of the landfill gas TCRA work plan (ITSI 2002c) and

presented with as-built information in Appendix B to this closeout report, demolition activities consisted of the following:

- Removing a large wood and concrete debris pile located near station 6+40
- Removing GMPs 01, 02, 03, 04, 05, 06, 07, 08, and 11
- Removing groundwater monitoring well IR01MW07A and piezometer IR01P03A
- Removing an unmarked groundwater piezometer at station 9+00
- Removing fencing between the northern boundary of the landfill and the UCSF compound and the railroad museum

Concrete and wood debris were disposed of at a Class II permitted solid waste facility. Attachment 2 includes disposal records for materials disposed of off site during the TCRA. The GMPs (except GMP11), groundwater monitoring well IR01MW07A, and the unmarked groundwater piezometer were located within the trench alignment and were removed during the trench construction using the excavator bucket. Although GMP11 was not initially located within the trench alignment, it was necessary to remove GMP11 during pretrenching because of the overexcavation required to remove large concrete debris. Piezometer IR01P03A was replaced because it was damaged during construction. The monitoring well was abandoned in accordance with California Department of Water Resources Bulletins 74-81 and 74-90. The well casing, filter pack, concrete, and steel jacket were removed by over-drilling to 1 foot below the total depth of the well. The boring was then grouted through the auger tip up to ground surface with a mixture containing lean concrete with 5 percent bentonite.

The TCRA design specified that about 375 linear feet (lf) of fencing be removed and replaced between the northern portion of the industrial landfill and the UCSF compound and the railroad museum. UCSF requested that the replacement fencing be 8-foot-high chain link with three strands of barbed wire, Constantine razor mesh, and tension wire at the base instead of fencing similar to the removed fencing. Because of the age and poor condition of the original fencing, the Navy agreed to the UCSF request. This change resulted in an additional 600 lf of fencing removal and replacement.

The objectives of the grading plan were to prevent storm water from ponding over waste areas and to provide access roads for vehicular traffic during operation and maintenance activities. Grading activities consisted of leveling the site using cut and fill methods, installing a drainage swale and culvert, and constructing gravel access roads. To level the work area, on-site soils were used as fill material as well as Bay Area Rapid Transit (BART) soil previously stockpiled in Parcel E. A 550-lf drainage swale was constructed to drain storm water from the northern portion of the landfill to the seasonal freshwater wetlands area in the panhandle of Parcel E, as shown on as-built drawing C-02 in Appendix B. A 20-foot-long reinforced concrete culvert was placed under the access road. The culvert connects the installed drainage swale with the existing storm water channel that borders the northwest portion of the landfill and drains into the

wetlands area. Access road construction included placing about 3,000 square yards of 8-ounce woven geotextile fabric on a 15-foot-wide graded and compacted soil base. The geotextile fabric prevents the gravel surface from being pushed into the soil subbase. A 6-inch layer of Caltrans classification Class II base rock was then placed over the geotextile fabric as a surface course.

As-built drawings C-02 through C-04 in Appendix B record final graded contours, access roads, and replacement fencing alignment. Section 2.3 details the replacement of the GMPs and groundwater monitoring wells.

2.3 GAS CONTROL SYSTEM

The landfill gas control system includes a barrier wall, a gas collection trench, gas vent piping, and vent treatment units. The gas control system was installed along the northern boundary of the landfill. This placed the gas control system between the landfill waste and the UCSF compound and the railroad museum, as shown on as-built drawings C-02 through C-04, Appendix B. Installation activities included pretrenching, passive vent system installation, barrier wall installation, and repairs. The construction and installation of each of these components is discussed in the following sections.

2.3.1 Pretrenching Activities

The barrier wall was installed as a low permeable vertical barrier between the methane-gas-generating waste and the UCSF compound subsurface soils. Four-foot-wide, interlocking HDPE panels were attached to a steel plate and vibrated into the subsurface with a vibratory hammer to form the vertical barrier. For this operation to be successful, the subsurface along the panel alignment had to be cleared of obstacles greater than a few inches in diameter. The initial activity in the construction sequence, therefore, was pretrenching the subsurface to remove any construction debris along the panel alignment. The upper 7 feet of soil along the trench alignment was excavated and stockpiled on site. The remaining soil from 7 feet to the design depth (typically 17 feet bgs) was visually inspected for debris by collecting the soil in the excavator bucket, bringing the bucket to the surface, and slowly returning the soil back into the trench. A spotter notified the excavator operator when buried debris or concrete was observed. This debris was loaded into dump trucks, sprayed with Rusmar foam to minimize gas migration to the atmosphere, and stockpiled for off-site disposal. The excavated soil that was free of debris and concrete was placed in the excavated trench as backfill up to 7 feet bgs. The pretrenching depths and elevations are shown on as-built drawing C-100 in Appendix B.

During pretrenching, an attempt was made to identify accurate groundwater elevations in the trench by allowing the trench to stand open and allowing water to infiltrate into the trench. The preliminary groundwater depths measured during pretrenching appeared to be 2 feet lower than previous data indicated. Upon investigation by the field team, however, groundwater seepage into the trench was slower than initially expected; therefore, the water levels measured in the trench were determined to not accurately reflect groundwater levels in the nearby saturated soil. The site engineer directed that the water level measurements be collected from adjacent groundwater monitoring wells rather than risk creating unstable slope conditions by keeping the

seepage face of the trench open longer. The measurements from the monitoring wells confirmed the groundwater elevations used for the design. No dewatering was conducted during pretrenching activities.

Changes in site conditions encountered during pretrenching were addressed and documented but did not result in changes to the alignment. A 10-inch steel pipe was encountered during pretrenching operations at station 14+64 at a depth of approximately 4.5 feet bgs. Station locations are identified on as-built drawings C-02 through C-04 in Appendix B. The line did not appear on any site utility maps; however, it appeared to be an abandoned utility service line. The excavator bucket was used to break the pipe and remove it. The line was empty and was disposed of along with other construction-derived material. The remaining pipeline left in place was plugged with BART soil, and the excavation was backfilled. Near station 2+20, approximately six empty drums were encountered and removed during the pretrenching operations. During the pretrenching operation, all waste observed to be north of the trench line was removed using the excavator; these removals generally only extended 1 to 2 feet north of the trench. Because of the removal of large concrete debris and occasional waste, the trench width exceeded the design width of 2 feet in many places, averaging about 4 feet wide. The pretrenching generated about 1,970 tons of nonhazardous soil and debris, 1,091 tons of hazardous soil and debris, and 210 tons of concrete debris. Attachment 2 contains the disposal records for materials disposed of off site during the TCRA.

2.3.2 Passive Vent System Installation

Once pretrenching was complete, the passive vent system was constructed in the remaining trench depth by creating a permeable layer that collects and vents the landfill gas. As described previously, the first layer of the gas collection trench consisted of pretrenched soil from 7 feet bgs to the design depth (typically 17 feet bgs). The second layer consisted of 5 feet of gravel placed on top of the pretrenched soil. Trench sections from station 2+85 to station 5+95 and from station 6+27 to station 13+34 were backfilled with 3/8-inch diameter, washed river rock to a finished depth of 2 feet below the grade/cut levels established as shown on as-built drawing C-100 in Appendix B. During construction, a change in backfill material was approved to reduce costs. Angel Island sand was backfilled in a test section and proved an acceptable material for driving the HDPE panels and collecting landfill gas. Subsequently, trench sections from station 5+95 to station 6+20 (test section), from station 0+00 to station 2+85, and from station 13+34 to station 14+76 were completed with sand. About 1,419 tons of river rock gravel and 873 tons of sand were installed within the gas collection trench. A spray-on foam (Rusmar®) cover was applied to open sections of the trench at the end of each workday to minimize gas migration to the atmosphere.

A continuous, perforated, horizontal vent pipe with four risers was installed within the gravel and sand collection trench. The pipe was installed on the landfill side of the HDPE barrier wall to allow collection and removal of gas within the permeable section (gravel/sand layer) of the collection trench. The vent pipe extends the complete length of the trench and barrier wall. This pipe was loosely wrapped with 6-ounce nonwoven geotextile fabric and installed with the pipe centered about 4 to 6 inches below the top of the gravel or sand layer, as detailed on as-built

drawing C-102 in Appendix B. Gas vents, connected to the horizontal vent pipe and constructed of 4-inch schedule 40 polyvinyl chloride (PVC) pipe were installed at four locations along the main vent pipe, as shown on as-built drawing C-102 in Appendix B. Additional vent riser connections consisting of 4-inch schedule 40 PVC pipe were connected to the main horizontal vent pipe at four locations, as shown on as-built drawing C-102 in Appendix B, and were capped with a 4-inch PVC plug.

Each of the four gas vents is connected to a gas treatment system by means of a 4-inch to 2-inch adapter and a flexible hose. These treatment units consist of two granular activated carbon vessels, a permanganate impregnated zeolite treatment vessel with sample ports on all effluent piping. The venting system was designed so that it could operate passively or actively to control landfill gas migration.

After the installation of the vertical HDPE liner, as described in the following text, the gas collection layer was sealed with a 2-foot-thick bentonite layer over the gravel/sand backfill. In areas where the pretrench width exceeded 2 feet, a wooden form was used to contain the bentonite pellets within 2 feet. The trench voids on either side of the temporary form were backfilled with on-site soil. After installation of the bentonite pellets, the bentonite was hydrated from the top using the water truck. About 226 cubic yards (yd^3) of bentonite pellets was used during this activity.

2.3.3 Barrier Wall Installation

A vertical HDPE liner, manufactured by Gundle/SLT Environmental, Inc. (GSE), as GundWall®, was installed within the gas collection trench alignment to the depths and elevations shown on as-built drawing C-100 in Appendix B. For trench section station 9+50 to station 11+70, the panels were driven 2 feet deeper than design elevations based upon preliminary groundwater data recorded during pretrenching. The remaining panels were installed to the design elevations once the groundwater levels were confirmed. Because the panels were installed 2 feet deeper than design specifications, the top elevation of the panels were 2 feet lower in this portion of the trench. To key the panels into the bentonite layer, the bentonite layer exceeded the specified 2-foot thickness. As-built drawing C-100, Appendix B, documents the modification from the design.

Panel installation operations resemble sheet pile installation with modifications to protect the HDPE from damage during installation. In accordance with GSE design specification 02800 (HDPE), the panels consisted of 4-foot-wide 80-mil HDPE panels supplied by an approved vendor. Vendor product information can be found as ITSI's contractor submittal in Attachment 3. The panels were typically 4 feet wide. Shorter panels were used as required for bends in the wall and irregular wall connections. Cooper Crane, a subcontractor to ITSI, vibrated each panel into the ground using a crane-operated driving head. At the bottom of each panel, the manufacturer attached a rigid hook-shaped driving edge. Panels were driven into the subsurface by placing a steel plate called the mandrel into the hook. This assembly was then lifted with a crane and positioned into place by the ground crew. To ensure the assembly did not move during installation, the back of the mandrel slid through a steel template. A vibratory

hammer connected to the crane drove the mandrel and panel. Once the bottom of the assembly was at design depth, the mandrel was lifted out leaving the panel in the subsurface.

Each panel was mechanically interlocked with the adjacent panel for the full length of the trench. Each interlock was fusion welded to the vertical edges of the panels by the manufacturer. The interlocks were sealed during installation using an extruded, hydrophilic gasket. The hydrophilic gasket swells when hydrated filling the seam cavity between the two interlocks. The extruded gasket was installed in one continuous section as the panel interlocks were joined.

2.3.4 Repairs

As noted in Table 1 and on as-built drawing C-100 in Appendix B, several tears occurred in the HDPE panels during construction activities. Repairs were made by either reinstalling the damaged panels or by field welding the tears. Wolf Environmental Lining Systems welded the HDPE torn sections together using an extrusion welding method.

Ancillary construction activities that took place during the gas control system installation were the removal and replacement of several groundwater monitoring wells and piezometers, as discussed in Section 2.2. The following is a summary of the wells damaged and the repair or replacements performed, including well construction details:

- Monitoring well IR01MW07A was decommissioned. The following three replacement wells were installed in the vicinity of IR01MW07A:
  - IR01MW10A, north of the GundWall® (4-inch PVC casing, screened from 5 to 22 feet bgs, total depth 22 feet bgs)
  - IR01MW11A, in the gravel trench just south of the GundWall® (4-inch PVC casing, screened from 5 to 17 feet bgs, total depth 17 feet bgs)
  - IR01MW12A, south of the GundWall® (4-inch PVC casing, screened from 5 to 22 feet bgs, total depth 22 feet bgs).
- Piezometer IR01P03A was damaged and decommissioned. The following replacement piezometer was installed: IR01P04A, several feet east of IR01P03A (2-inch PVC casing, screened from 8 to 28 feet bgs, total depth 28 feet bgs).
- Monitoring well IR01MW05A was damaged. A replacement casing was installed (4-inch PVC casing, screened from 9.5 to 26.5 feet bgs, total depth 26.5 feet bgs).
- Piezometer IR01P03AA was damaged. A replacement casing was installed (2-inch PVC, screened from 12 to 27 feet bgs, total depth 27.5 feet bgs)

The repairs were conducted according to well installation activities set forth in the Phase III groundwater data gaps field sampling work plan (Tetra Tech 2001) and Attachment A of ITSI's statement of work dated September 26, 2002. Each repaired or replaced well was installed with

traffic bollards. For each repaired or replaced well, Hunter Surveying surveyed the location and elevations at the top of casing and ground surface. Survey information is shown on as-built drawing C-01 in Appendix B, and boring logs can be found in Appendix C.

2.4 GAS EXTRACTION SYSTEM

The landfill gas extraction system includes 10 extraction wells and 2 extraction and treatment units. Five GMPs were installed within the UCSF compound to provide additional data during the TCRA. The construction and installation of each of these components are discussed in the following sections.

2.4.1 Extraction Well Construction Activities

Before installing the 10 extraction wells, Hunter Surveying surveyed the location of each extraction well based on the landfill gas TCRA work plan (ITSI 2002c). Underground Service Alert was notified to contact utility companies and to identify buried utilities near the property boundaries of the UCSF compound and railroad museum. ITSI contracted Foresite Engineering Surveys to clear each well location using line and cable locators within the Navy property boundaries. As-built drawings C-01 through C-04 in Appendix B document the final location of each extraction well.

Gregg Drilling, an ITSI subcontractor, conducted the extraction well installation under the supervision of an ITSI registered geologist. Appendix C includes boring logs and well construction diagrams for extraction wells EX-1 through EX-10. The 8-inch boreholes were drilled with a truck-mounted, hollow-stem auger drill rig. Each well was installed to a depth of 10 feet bgs and screened from 5 to 10 feet bgs. The well screens consisted of machine cut 0.020-inch slot, 4-inch-diameter, schedule 40 PVC pipe. A PVC end cap was attached to the lower end of each well screen.

Filter packs were installed in the annular space from 4 to 10 feet bgs and consisted of poorly graded sand with a 0.03-inch minimum diameter. A 2-foot-thick well seal of bentonite pellets was placed above the filter pack. The bentonite pellets were installed in 1-foot lifts and hydrated with potable water. One foot of concrete grout was placed above the bentonite seal. Each extraction well was completed flush with the ground surface within a well box (1 foot deep) consisting of an 8-inch-thick concrete casing pad and steel cover. Extraction well details are included in Appendix B, as-built drawing C-101.

2.4.2 Gas Monitoring Probe Construction Activities

GMP01 through GMP11 were originally installed as part of the nonstandard data gaps soil gas investigation (Tetra Tech 2003b). GMP01 through GMP08 and GMP11 were removed during pretrenching activities in August 2002. Replacement GMPs (GMP01A through GMP08A and GMP11A) were installed during the construction activities for the barrier wall and were completed in September 2002. During installation of the barrier wall, GMP05A and GMP06A

were damaged. These were subsequently replaced in November 2002 with GMP05B and GMP06B. As-built drawings C-02 through C-04 in Appendix B identify the location of each replacement GMP.

In September 2002, monitoring points GMP22 through GMP26 were installed within the UCSF compound . These GMPs were installed to (1) monitor the progress of the extraction system and (2) to allow post-TCRA monitoring to ensure that no rebound of methane concentrations occurred within the UCSF compound after completion of the active extraction.

Gregg Drilling, under supervision of a Tetra Tech registered geologist, drilled and installed GMP22 through GMP26. The borings were drilled using hollow-stem augers. Every GMP was constructed using 0.75-inch threaded PVC pipe and 0.010-inch slot screen with a sealed top, a valve, and a quick-connect fitting to allow for pressure measurements and collection of gas samples. The GMP screens were installed to the depth of groundwater. Nearly all probes were constructed in the same manner. The only exceptions were the surface completions on GMP22 through GMP26. These probes were completed at grade with traffic-rated well boxes because they were located in an area with vehicle traffic. Table 2 summarizes the construction details for the GMPs. Appendix C contains the boring and construction logs for each GMP.

2.4.3 Extraction Units

Landfill gas was extracted using two mobile vapor extraction and treatment units attached to the active extraction wells, with a 4-inch to 2-inch PVC adapter and a flexible hose. Each unit consisted of a five-horsepower blower with sound enclosure, a moisture separator, an inlet filter, two granular activated carbon vessels, and a permanganate impregnated zeolite treatment vessel mounted on an 8-foot by 5-foot carbon steel trailer.

The blower was manufactured using a cast aluminum housing, impeller blades, and cover. The blower unit was equipped with a direct-coupled regenerative blower capable of 0 to 100 cubic feet per minute at -50 inches water column. A blower enclosure was built around the blower to reduce equipment noise to 70 decibels or less at a 10-foot distance. The two vapor phase carbon vessels and one vapor phase permanganate impregnated zeolite (Hydrosil HS-600) vessel were installed in series to remove NMOCs. Appurtenances installed on the system include a pressure gauge mounted on the discharge piping to monitor discharge pressure, a vacuum gauge indicating negative pressure mounted on inlet process piping to monitor system performance, and sampling ports on all discharge piping. Carbonaire product data sheets are included as Contractor Submittal No. 1 in Attachment 3.

The extraction and treatment systems contained a freestanding, 15-foot-high discharge pipe to ensure that the treated exhaust was not discharged in the breathing zone. The discharge pipe was constructed from 2-inch schedule 40 PVC piping mounted to the trailer. A tee was installed at the top of the pipe to increase mixing of the effluent with ambient air. At extraction wells EX-6, EX-7, EX-8, and EX-9, temporary PVC risers were installed to vent the exhaust from the system above the rooflines of adjacent buildings and at least 25 feet away from any nonexplosion-proof electrical equipment and roof air intakes.

Synergy Electric installed 230 volt, single-phase electric power through a new conduit placed within the barrier wall trench to supply power to the blowers. All wiring, motors, and starters were built using explosion-proof components.

2.5 METEOROLOGICAL STATION

Tetra Tech installed the meteorological tower and meteorological station on September 16, 2002, and calibrated it on December 10, 2002, in accordance with U.S. Environmental Protection Agency (EPA) and Bay Area Air Quality Management District (BAAQMD) guidelines. The meteorological station provided representative site meteorological data during the TCRA. Weekly data reports are available on the Navy's public website at http://www.efdsw.navfac.navy.mil/06/HPS_E/Landfill_Gas/index.htm#meterological_data. The meteorological station site is considered representative of the HPS area because data collection is not limited by proximity to complex terrain or large structures and because the site is in flat terrain. Sensors on the meteorological tower include wind speed, wind direction, air temperature, relative humidity, precipitation, and barometric pressure. One-second readings of all parameters are averaged and stored as 15- and 60-minute average periods in the data logger.

The meteorological tower for the meteorological station was designed in accordance with EPA and BAAQMD guidelines for meteorological measurements, sensors, recording devices, and instrument setting (EPA 1986, 1987a, 1987b, 1995, 2000; BAAQMD 1996). A 10-meter meteorological tower of open lattice construction was erected and fitted with instrumentation to collect ambient meteorological data. The meteorological tower was installed and secured with a concrete foundation. The instrumentation is mounted at 2, 3, and 10 meters above ground level. The instrumentation can be lowered to the ground when calibration, audits, or other adjustments are necessary. The Universal Transverse Mercator coordinates for the tower are 450820 north, 1458390E east, California zone 3, 1927 North American Datum. The tower base is at an elevation of about 25 feet above mean sea level.

2.6 SITE MANAGEMENT

Site management activities include waste management and community relations. These activities are discussed in the sections below.

2.6.1 Waste Management

Soils requiring off-site disposal were properly profiled and disposed of at facilities approved by the Navy and permitted by the State of California. The off-site disposal facilities included ECDC Environmental Landfill in East Carbon, Utah, and Forward Landfill, in Manteca, California.

Based on requirements from the disposal facilities, composite samples were collected from the excavated soils at a minimum frequency of one four-point composite for each approximately 500 yd^3 of soil. Samples were collected from stockpiles using clean 2-inch-diameter, 6-inch-

long stainless steel tubes. A discrete EnCore™ sample was collected from one of the four sample points for VOC analysis. The samples were labeled, packed in ice, and delivered to the laboratory with appropriate chain-of-custody forms.

McCampbell Analytical, Inc., performed the laboratory analysis, as required by the disposal facilities. Analytical methods included the following:

- Total volatile petroleum hydrocarbons by Modified EPA Method SW8021B/8015Cm
- Total extractable petroleum hydrocarbons by Modified EPA Method SW8015C
- VOCs, including (methyl tertiary butyl ether), by EPA Method SW8260B
- SVOCs by EPA Method SW8270D
- PCBs by EPA Method SW8081B/8082A
- Metals by EPA Method SW3050B

Attachment 2 contains the data summary report for solid waste samples. Additional metals analyses were conducted on two soil stockpiles, subdivided to reduce the quantity of soil classified as Class I hazardous based on lead concentrations. Ultimately, 1,091 tons of Class I, 1,970 tons of Class II and 210 tons of concrete was disposed of at the approved off-site facilities.

2.6.2 Community Relations During Construction

On October 19, 2002, the Navy hosted a Restoration Advisory Board (RAB) site tour at the HPS Parcel E Industrial Landfill. Because of the increased level of interest on the landfill gas TCRA during the monthly RAB meetings, the Navy coordinated and scheduled a site tour to help answer community concerns. The Navy conducted a tour of the landfill and explained in detail how the landfill gas extraction system is used to stop methane from migrating onto private property. During the tour, RAB members were able to meet the UCSF facility manager and examine the landfill gas extraction system the Navy was operating on the UCSF compound. Throughout the tour, RAB members were able to ask questions and share their concerns on the landfill gas TCRA. In addition to the site tour, the Navy gave regular updates during the monthly RAB meetings to keep the members informed of the activities ongoing at the Parcel E landfill.

3.0 LANDFILL GAS EXTRACTION AND CONTROL SYSTEM OPERATION AND MAINTENANCE

This section describes the operation and maintenance activities conducted for both the landfill gas extraction system and the landfill gas control system. Deviations from the landfill gas TCRA work plan (ITSI 2002c) are noted in the text below.

3.1 GAS EXTRACTION SYSTEM

Operation and maintenance activities for the landfill gas extraction system included extracting landfill gas through extraction wells, visually inspecting the gas extraction wells and GMPs, and performing various daily and weekly monitoring using field instruments.

3.1.1 Gas Extraction System Operation

Operational activities included active extraction of methane gas from the UCSF compound through extraction wells and monitoring various extraction system components to ensure optimal operation, as described in Table 3 of this report. This table provides the monitoring locations, parameters, and frequency for performance during the TCRA. Figure 5 shows the monitoring locations. Appendix E contains the performance monitoring logs.

The extraction operation used two trailer-mounted units to withdraw gas from the subsurface of the UCSF compound through extraction wells EX-1 to EX-10. Figure 3 shows the extraction well locations and the methane concentrations before the startup of the extraction system. Operation of the landfill gas extraction system began on October 4, 2002, using the first extraction unit at well EX-1. Operation of the landfill gas extraction system was conducted in accordance with Attachment C (Appendix D) of the landfill gas TCRA work plan (ITSI 2002c). Gas extraction began at well EX-2 with the second mobile extraction unit 5 days later. The extraction/treatment units were then moved alternately across the site from west to east. For example, the unit at well EX-1 moved to well EX-3 first, then the unit at well EX-2 moved to well EX-4, and so on. Extraction operations were conducted at each extraction well for 5 to 17 days, depending on the amount of time required to lower the methane concentration to below 0.5 percent by volume. Moving across the entire site was considered one complete cycle of extraction. The active gas extraction within the UCSF compound was planned in two cycles. Because of the effectiveness of the extraction system to reduce levels of methane gas, however, the mobile units were only returned to a portion of the wells for additional gas removal after the first cycle. Figure 6 shows the methane concentrations after the first extraction cycle.

The flow chart presented on Figure 3 of Attachment C (Appendix D) of the landfill gas TCRA work plan (ITSI 2002c) presents the decision criteria for the TCRA. The flow chart is reproduced and updated as Figure 7 of this report. This flow chart provides the planned extraction criteria and methane gas concentration goals in a decision-path format to determine when the TCRA was complete. Green decision boxes depict active extraction criteria for moving from one extraction well to the next. Blue and purple boxes indicate weekly and monthly monitoring requirements to determine stability of the methane concentrations.

Gas extraction was performed in accordance with the decision boxes shown in green on Figure 7, except for the deviations noted in Section 4.3. On January 20, 2003, the gas extraction goals of no greater than 0.5 percent methane in each extraction well and no greater than 1 percent methane in each GMP within the UCSF compound were met. Gas extraction from the extraction wells was terminated on January 20, 2003, and weekly monitoring, shown in the blue decision boxes on Figure 7, began. Table 4 presents the actual timeline for the landfill gas extraction

system for the progression of extraction start dates and extraction durations at each extraction well. Figure 8 shows the methane concentrations on January 20, 2003.

During gas extraction, performance monitoring using field instruments was conducted throughout the TCRA along the flow line of the active extraction system and at the wellheads of the extraction wells and GMPs located within 200 feet of the operating extraction well. The field screening instruments included a PID and a GEM 2000. The PID provides field-screening readings for NMOCs only. The GEM 2000 was used to provide accurate measurements of methane concentrations. The field instruments were calibrated in accordance with the manufacturer's operations manual. Calibration logs are presented in Appendix E. On several occasions, inclement weather rendered the PID inoperable. As a conservative response action to the poor PID operation in bad weather, extraction was continued at the current extraction well rather than move on to the next extraction well. This deviation from the planned operation is further explained in Section 4.3.

3.1.2 Gas Extraction System Maintenance

Maintenance activities included inspecting various extraction system components visually and using field instruments to ensure that no fugitive emissions were escaping the system as described in Section 3.3 and Table 1 of Attachment C (Appendix D) of the landfill gas TCRA work plan (ITSI 2002c). Table 1 from the work plan is reproduced and updated as Table 5 of this report. The monitoring results for fugitive emissions are presented in Appendix E.

Gas extraction wells, GMPs, and extraction unit fittings, valves, and seals were visually inspected and scanned with field instruments weekly for fugitive emissions during the duration of the TCRA. In addition, the moisture separator and gauges of each extraction unit were checked for proper operation.

The carbon and Hydrosil vessels of each extraction unit were checked daily for breakthrough using field instruments. Equipment inspections conformed to the manufacturer's recommended standards. One episode of breakthrough was encountered in the first carbon vessel of extraction unit 1 on January 6, 2003. The maintenance action included moving the second carbon vessel into the first vessel position and installing a new carbon vessel in the second vessel position.

3.2 GAS CONTROL SYSTEM

The purpose of the gas control system is to prevent landfill gas migration onto the UCSF compound. The gas control system was designed so that gas migration could be controlled either actively or passively. Operation and maintenance activities for the landfill gas control system include inspecting the ground cover of the gas collection trench and monitoring perimeter GMPs and PVs to ensure that landfill gas does not migrate onto the UCSF compound.

3.2.1 Operation

Gas control system operation activities included monitoring the PVs and the GMPs along the landfill perimeter. Figure 2 shows the locations of PV-01 through PV-04 and the GMPs located along the gas control system. Once gas extraction from the extraction wells was terminated on January 20, 2003, the methane and NMOC concentrations at all extraction wells and GMPs on the UCSF compound were monitored weekly using field instruments, as shown in the blue decision boxes on Figure 7. Four weeks of weekly monitoring were conducted from January 29 to February 19, 2003. During the first 2 weeks, the gas control system was operated passively. On February 5, 2003, the gas control system was operated as an active system by extracting gas through PV-01. The extraction system was active at PV-01 until March 6, 2003, when methane levels at the GMPs and extraction wells decreased to below target levels. During the weekly monitoring, methane concentrations in extraction wells and GMPs on the UCSF compound remained below 1 percent and 2 percent methane by volume in air, respectively. On February 25, 2003, gas samples were collected in Summa canisters (Appendix F) from GMP22 through GMP26, and monthly monitoring began. Four months of monthly monitoring were conducted from February 26 to May 23, 2003. On May 27, 2003, gas samples were collected in Summa canisters from GMP22 through GMP26, and the landfill gas TCRA was determined to be complete based on the methane data. A risk evaluation was conducted and has shown no unacceptable risk. Appendix G to this report presents the results of the risk evaluation. A quality control summary report was conducted on all analytical data and is presented in Appendix H. The gas control system is currently being operated as an active system by extracting from PV-01, and will continue until maintenance issues are resolved.

3.2.2 Maintenance

Gas control system maintenance activities include (1) continuing to monitor perimeter GMPs and PVs and any extraction or treatment units connected to the control system and (2) inspecting the gas collection trench ground cover.

GMPs located on the perimeter of the landfill that were not considered to be radius-of-influence (ROI) wells during active extraction within the UCSF compound were monitored on a weekly basis during the extraction operation. After the active extraction operation was terminated, the perimeter GMPs were then monitored on a monthly basis (or more frequently). The PVs were also monitored with the same frequency as the perimeter GMPs.

Monitoring for fugitive emissions was conducted at the fittings, valves, and seals of all PVs on a weekly basis during the active extraction operation and on a monthly basis while active extraction was not occurring within UCSF compound. A PID was used to monitor for NMOCs and check for leaks on the passive systems. Appendix E presents the monitoring data.

The ground cover of the collection trench was inspected monthly for breaches in the surface seal for the duration of the TCRA. Proper drainage was maintained to ensure that surface water did not infiltrate into the trench. After the removal action was complete, the gas collection trench

ground cover and extraction and treatment unit inspections were converted to coincide with the interim gas monitoring program.

4.0 GAS MONITORING RESULTS AND EVALUATION OF SYSTEM OPERATION

This section discusses the results of monitoring and sampling conducted during the landfill gas TCRA. The Navy used real-time field instruments to monitor the landfill gas extraction and control system and collected soil gas samples in Summa canisters at the treatment system influent and effluent ports for laboratory analyses. Work was performed in accordance with the approved project work plan (ITSI 2002c), except for the deviations noted in Section 4.3. Monitoring results were used to make field decisions regarding operation of the extraction and control system, and laboratory analytical results were used to confirm field monitoring results and to characterize the landfill and soil gases. Characterization of the gas released from the treatment system was necessary to ensure that unacceptable concentrations of gas constituents were not released from the extraction and gas control systems.

4.1 LANDFILL GAS EXTRACTION SYSTEM

During active gas extraction, the landfill gas extraction system was both monitored and sampled at the frequencies presented in Tables 3 and 5. The sections below discuss the results of field and analytical data and how each type of data was used to adjust operation of the extraction system.

4.1.1 Field Monitoring Results

During active gas extraction at a well, monitoring was conducted using field instruments on a daily basis at all extraction wells and GMPs within 200 feet of the active extraction well. Based on field measurements and observations of concentrations of soil gas constituents at the monitoring points, approximately 150 to 200 feet appeared to be the typical ROI from the active extraction wells. Soil gas located within the ROI is drawn toward the active extraction well and eventually evacuated from the soil. Figure 9 shows the 10 extraction wells and the maximum ROI for each well. This figure shows that most of the area in which methane has been discovered is within the ROI of the 10 extraction wells. Areas that are not located within the ROI of an extraction well were expected to attenuate naturally after installation of the gas control system along the fence line.

Monitoring data collected in the field included percent methane, percent carbon dioxide, percent oxygen, percent LEL, total NMOCs, and pressure. Methane concentrations were obtained by using a GEM 2000, methane monitor, which also records the carbon dioxide concentration, oxygen concentration, and percent LEL. NMOCs were recorded using a PID (Thermo OVM 580B with a 10.6 electron-volt [eV] lamp). This lamp will ionize organic compounds having an ionization potential less than the lamp's energy. Methane's ionization potential is 12.98 eV, so it is not detected by the PID. The pressure or vacuum in a well was measured using a Magnahelic® pressure gauge. Both the GEM 2000 and the PID were calibrated every morning

before beginning the daily monitoring (Appendix E). The GEM 2000 was calibrated using 15 percent methane, and the PID was calibrated with 100 ppm isobutylene. If the PID readings appeared to be erratic or suspect during the day, the instrument either was recalibrated or was replaced with a new PID.

The initial extraction cycle began October 4, 2002. Extraction was conducted using two mobile vapor extraction and treatment units (Section 2.4.3). The work plan states that active gas extraction would be conducted at each of the 10 extraction wells for a minimum of 5 days during the initial extraction cycle (ITSI 2002c). Additionally, the work plan states that extraction would continue up to 10 days if necessary, until the methane concentration in the active extraction well was less than or equal to the target level of 2.5 percent for the first cycle extraction well (ITSI 2002c). Figure 7 presents the extraction well and GMP methane concentration target levels for each cycle of the TCRA. The GEM 2000 was used to determine when the methane concentration in a well was less than or equal to 2.5 percent. During the first extraction cycle, however, extraction generally continued at each active extraction well until the methane concentration at the active extraction well was below 0.5 percent; well EX-2 is the sole exception, with the first extraction event ending with methane at 0.8 percent.

During the first cycle, active gas extraction took place at all extraction wells for between 5 and 10 days except at wells EX-8 and EX-9, where the extraction events exceeded 10 days (Table 4). (See Section 4.3 for the deviations from the work plan.) Before the first cycle of active extraction began, methane concentrations were above 100 percent LEL at all extraction wells and GMPs within the UCSF compound except for well EX-10 (Table 6). Figures 10 through 19 are time-concentration graphs of the first extraction cycle for each of the 10 extraction wells, respectively, and include the extraction wells and GMPs within the ROI of each active extraction well. During the first cycle of active extraction, methane concentrations were reduced in all GMPs within the UCSF compound and in all extraction wells (Table 6). The methane concentrations in all extraction wells were reduced to below 1 percent, which is well below the target level of 2.5 percent for the first cycle extraction well (Figure 6).

The second cycle of active extraction began on November 18, 2002, at well EX-1 and continued through extraction at well EX-5, as planned. Figures 20 through 24 are time-concentration graphs of the extraction wells, GMPs, and PV-01 during the second cycle of active extraction. During the second cycle, the active extraction systems were not used at wells EX-6 through EX-10 because methane levels had already been reduced to below target levels in all extraction wells, and GMPs in those areas and monitoring showed that no rebound had occurred. The second round of extraction reduced the methane concentration to below the second cycle extraction well target level of 0.5 percent in all extraction wells and 1.0 percent in all GMPs, except for well EX-3 and GMP01A. Table 7 presents methane concentrations after the second extraction cycle.

During the second cycle of active extraction at well EX-3 (started on December 5, 2002), the methane concentration initially decreased and then slowly began to increase, from 0.5 percent at the start of extraction to 4.5 percent when extraction was stopped 12 days later, on December 17, 2002. Methane concentrations at well EX-2 also slowly began to increase, from 0.6 percent to

13.5 percent during active extraction at well EX-3. In conjunction with this, a corresponding rise in methane concentrations in GMP01A occurred (from 0 percent to 18.4 percent). GMP01A is located on the fence line north of the HDPE barrier, close to well EX-3 (Figure 2). Because of the proximity and coincident rise in methane concentration, the Navy suspected that the gas control system was not operating passively, as intended, in the area of GMP01A and, therefore, allowed the landfill and soil gases in the area to equilibrate from December 17, 2002, to January 3, 2003.

On January 3, 2003, active extraction began at GMP01A to draw the methane concentrations away from the UCSF compound. During active extraction at GMP01A, the concentration of methane in GMP01A remained above the TCRA goal of 5 percent. Although the methane concentration at well EX-3 decreased, it also remained above the second cycle extraction well target concentration of 0.5 percent. On January 7, 2003, the methane concentration at well EX-5 met the second cycle extraction well target level of 0.5 percent. The extraction unit was moved from well EX-5 to well EX-3. Active extraction at both well EX-3 and GMP01A was initiated in an effort to further decrease the methane concentration at well EX-3. After 1 week of extracting from well EX-3 and GMP01A, the methane concentrations decreased but were still above second cycle extraction well target levels at wells EX-2 and EX-3 and above the TCRA goal of 5 percent at GMP01A, indicating that the landfill gas control system was not operating successively in the passive mode, as intended.

To evaluate whether landfill gas could be controlled actively, the extraction unit connected at GMP01A was moved to PV-01. By extracting from a PV, the passive venting trench would then become an active system. Extraction from PV-01 began on January 15, 2003, while extraction at well EX-3 continued. Methane concentrations at well EX-2, well EX-3, and GMP01A began decreasing. Extraction at well EX-3 and PV-01 continued until January 20, 2003, when methane concentrations at the extraction wells and GMPs in the UCSF compound were all below the TCRA goal of 0.5 percent and 1 percent, respectively. Both active extraction systems were shut down. Monitoring conducted 2 days later on January 22, 2003, confirmed that the TCRA goal of methane concentrations below 0.5 percent in all extraction wells and below 1 percent in all GMPs within the UCSF compound were met. The landfill gas control system continued to operate actively to ensure that landfill gas was effectively being controlled and would not migrate into the UCSF compound.

Four rounds of weekly monitoring were conducted after the active gas extraction within the UCSF compound was terminated, beginning with the first weekly monitoring event on January 29, 2003, and ending with the last weekly event on February 19, 2003. Weekly monitoring showed that rebound was not occurring and that methane concentrations across the UCSF compound remained below TCRA goals. Concentrations were also below the ARAR of 5 percent methane stated in 27 CCR 20921(a)(2).

After the four weekly monitoring events, Summa canister samples were collected for laboratory analyses from all GMPs on the UCSF compound (GMP22 through GMP26) on February 25, 2003. The laboratory results indicated good correlation with field instrument measurements of methane concentrations. Table 8 presents the weekly monitoring data and the laboratory data

collected at the end of the fourth weekly monitoring event. Methane concentrations were then monitored monthly at all extraction wells and GMPs in the UCSF compound for 4 months. Methane remained below 5 percent in all extraction wells and GMPs within the UCSF compound during each of the monthly monitoring events from February through May 2003. Summa canister samples were collected on UCSF compound at each GMP on May 27, 2003, after the fourth monthly monitoring event to verify field results. Table 8 also presents the monthly monitoring and laboratory results.

4.1.2 Laboratory Analyses

Gas samples were collected for laboratory analyses three times during the TCRA: once during startup of each well, once at the end of the four weekly events, once at the end of the four monthly events, in addition to samples collected at extraction wells with levels that exceeded 5 ppm NMOCs. Gas samples were collected in Summa canisters and sent to a laboratory for analysis by EPA Method TO-14A (Appendix F) for characterization of the NMOCs in the system. The data were used to verify the initial gas characterization that was done during the nonstandard data gaps investigation and to ensure that the treatment systems were properly functioning to remove NMOCs from the extracted gas stream.

Summa canister samples were collected in October and November 2003 at the various wells with levels exceeding 5 ppm NMOCs, as determined by field monitoring. The samples were analyzed using EPA method TO-14A (Appendix F) to allow for monitoring of NMOC compounds during the TCRA. . The laboratory analyses of samples collected from GMP22 through GMP26 were performed to identify the analytes present in the GMPs and their concentrations to obtain a characterization of NMOCs in the UCSF compound GMPs (Appendix F).

Once active extraction on the UCSF compound ceased, gas samples were collected at the end of 4 weeks of weekly monitoring and at the end of 4 months of monthly monitoring. Upon completion of the 4-week monitoring period, Summa canister samples were collected from the GMPs in the UCSF compound (GMP22 through GMP26) on February 25, 2003. These samples were sent to a laboratory for analyses using EPA Methods TO-14A and TM-3C for analyses of NMOC compounds and for laboratory verification of methane concentrations in the GMPs. The work plan required methane concentrations to be below 5 percent in all GMPs in the UCSF compound based on TM-3C, and that there be no indication of risks based on the TO-14A data (ITSI 2002c). After completion of these steps, monthly monitoring could begin. In all cases, the analytical data showed that methane levels were below 1 percent and that based on vapor intrusion modeling using EPA's Johnson-Ettinger model (EPA 2003), there was no indication of unacceptable risk from NMOC compounds (Appendix G); therefore, monthly monitoring was implemented.

The 4-month monitoring period ended on May 23, 2003, and the final round of Summa canister samples was collected from the UCSF GMPs (GMP22 through GMP26) on May 27, 2003. To achieve the goals of the TCRA, the methane concentration must be below 5 percent in all samples, based on the TM-3C analyses. Analytical results for the May 27 samples indicated that the methane concentrations were below 1 percent in the GMPs in the UCSF compound (GMP22

through GMP26) and that concentrations for NMOC compounds did not indicate an unacceptable risk. Appendix F provides the analytical results, and Appendix G presents the risk evaluation. GMPs located within the UCSF compound and at the fence line have continued to be monitored based on a work plan that is currently being developed by the Navy in conjunction with the regulatory agencies. The monitoring data verify that methane concentrations remain below 5 percent in all GMPs.

4.1.3 Gas Extraction System Maintenance

Gas extraction system maintenance included weekly monitoring of methane and NMOCs at the fittings, valves, and seals on both active and passive systems to check for fugitive emissions. This monitoring was conducted for the health and safety of field personnel and to make sure that the treatment systems were functioning properly. During the TCRA, the inspections of the fittings, valves, and seals indicated the system was operating properly with NMOC levels being equal to ambient air and, in most cases, at 0 ppm. Monitoring showed that methane was not emitted through the fittings, valves, or seals. Appendix E presents the system maintenance monitoring data.

NMOC concentrations were monitored daily at the treatment systems connected to the two active extractions systems and to the four passive vents. Using a PID, NMOC concentrations were monitored daily at the sample ports on the two carbon drums and the Hydrosil® drum of each treatment system to check for the presence of NMOCs. This monitoring was done to ensure that the treatment systems were effectively removing the NMOCs before venting to the atmosphere. Daily monitoring of the active treatment systems at the carbon and hydrosil filters was also conducted to check for breakthrough. On January 6, 2003, one of the carbon filters on one of the active units was replaced because it appeared that NMOCs were beginning to break through the system. After the carbon unit was replaced, no additional NMOC detections occurred in the active or the passive treatment systems.

4.2 LANDFILL GAS CONTROL SYSTEM

The landfill gas control system was monitored both during active extraction and once active extraction ceased. No data were collected from the gas control system for laboratory analyses. The following sections discuss the results of the field monitoring and how the data were used to adjust operation of the extraction system.

4.2.1 Gas Control System Results

During active extraction, monitoring of the gas control system included GMPs located north of the barrier wall and PVs located south of the barrier wall. The GMPs and PVs were monitored at the frequencies presented in Tables 3 and 5. GMPs were monitored weekly for methane to ensure that methane concentrations on the north side of the barrier wall were being reduced. Methane was also monitored weekly from each of the treatment systems connected to the four PVs on the south side of the barrier wall to ensure that landfill venting was occurring. The PV

treatment systems were monitored weekly for NMOCs to make sure that NMOCs were being captured by the treatment systems. NMOCs were monitored at sampling ports on each of the carbon drums and the Hydrosil® drum on each treatment unit to check for breakthrough. During the TCRA, breakthrough did not occur at the passive systems. The fittings, valves, and seals on the treatment systems were monitored to make sure no leaks occurred. No leaks were recorded during the TCRA. Appendix E presents the monitoring data for the gas control system.

4.2.2 Gas Control System Maintenance

Upon completion of the TCRA, gas control system maintenance consisted of continued monitoring of perimeter GMPs and three of the PVs located on the south side of the barrier wall (PV-02 through PV-04) to ensure that methane from the landfill is venting through the passive system properly. The Navy, in conjunction with the regulatory agencies, is currently developing an interim landfill gas monitoring and control plan (Tetra Tech 2004) in accordance with 27 CCR. This plan is being developed to ensure that the landfill gas control system continues to effectively prevent combustible levels of methane gas from migrating away from the landfill site to the UCSF compound. The plan also addresses additional concerns that have been raised by the Base Realignment and Closure Cleanup Team members about the possible migration of landfill gas toward adjacent Parcel A.

The fourth PV, PV-01, is operating both passively and actively. PV-01 passively vents methane from the collection trench, as it was designed to do. PV-01 also currently operates actively on an intermittent basis to control landfill gas migration.

4.3 DEVIATIONS FROM WORK PLAN

Deviations from the work plan were made based on field data or decisions made by the project engineer. Deviations included extending extraction durations and modifying the second extraction cycle to troubleshoot increasing methane concentrations. During the first extraction cycle at wells EX-8 and EX-9, poor weather conditions (such as high humidity) prevented collection of accurate field methane measurements. Field methane measurements were used to determine when to move the extraction systems to the next extraction well. As a conservative measure, extraction continued at wells EX-8 and EX-9 until weather conditions improved and until the instrumentation was functioning properly, allowing verification that the methane concentrations were below 2.5 percent. Extraction continued at well EX-8 for 17 days and at well EX-9 for 15 days.

During the first cycle of active gas extraction, methane concentrations at wells EX-6 through EX-10 and the GMPs within the ROI of these extraction wells were reduced to below the TCRA goals. As the second extraction cycle began, monitoring showed that no rebound had occurred at wells EX-6 through EX-10 or at the GMPs within the ROI of these extraction wells; therefore, the second cycle of active extraction was not conducted at extraction wells EX-6 through EX-10.

During the second cycle of active gas extraction at well EX-3 (from December 5, 2002, to December 17, 2002), methane concentrations increased at wells EX-3 and EX-2 and at GMP22. A maintenance issue along the barrier wall appeared to be the cause of the increase at these locations. The second cycle continued without deviation until after the active extraction system at well EX-4 was shut down. Instead of beginning the second cycle of extraction at well EX-6, the active extraction system was moved to GMP01A, and extraction began on January 3, 2003 (Figure 25). Also, instead of moving the extraction system located at wells EX-5 to EX-7, the extraction unit was moved to well EX-3 on January 8, 2003 (Figure 26). These adjustments were made after observing the increase in methane concentrations at wells EX-3 and EX-2 and GMP22. In an attempt to decrease the methane at these locations, active extraction at GMP01A continued until January 14, 2003, and continued at well EX-3 until January 20, 2003. During this time of active extraction at both GMP01A and well EX-3, methane concentrations began to decrease, but not below target levels that would allow for gas extraction to be terminated. On January 14, 2003, extraction at GMP01A was terminated and moved to PV-01. Active gas extraction began at PV-01 on January 15, 2003, to further decrease the methane to below target levels (Figure 27). This was achieved, and on January 20, 2003, the active gas extraction on the UCSF compound was terminated.

The gas control system can operate passively or actively. Currently, PV-01 of the control system is operating passively and, on an intermittent basis, actively, to prevent methane migration. The Navy conducted investigations and implemented maintenance response actions in an effort to have the gas system operate completely passively. These activities are documented in Appendix I. However, active extraction will still be used to control the migration of landfill gas, if appropriate.

5.0 CONCLUSIONS

This landfill gas TCRA closeout report documents that the landfill gas TCRA goals have been successfully met. Active extraction reduced methane concentrations in extraction wells and GMPs on the UCSF compound to below each of the extraction cycle goals and the ultimate TCRA goal of 5 percent. Completion of the TCRA was verified through 4 weeks of weekly monitoring and 4 months of monthly monitoring, during which methane concentrations in the extraction wells and GMPs on the UCSF compound remained below the goals presented on Figure 7. Risk evaluations also show that VOC concentrations are below the EPA's risk management range.

The landfill gas control system operates passively and, on an intermittent basis, actively to control landfill gas migration. The Navy, in conjunction with the regulatory agencies, is currently developing an interim landfill gas monitoring and control plan in accordance with 27 CCR (Tetra Tech 2004). The monitoring and control plan discusses the steps that will be implemented to prevent landfill gas from migrating onto the UCSF compound or further on to adjacent Parcel A.

6.0 REFERENCES

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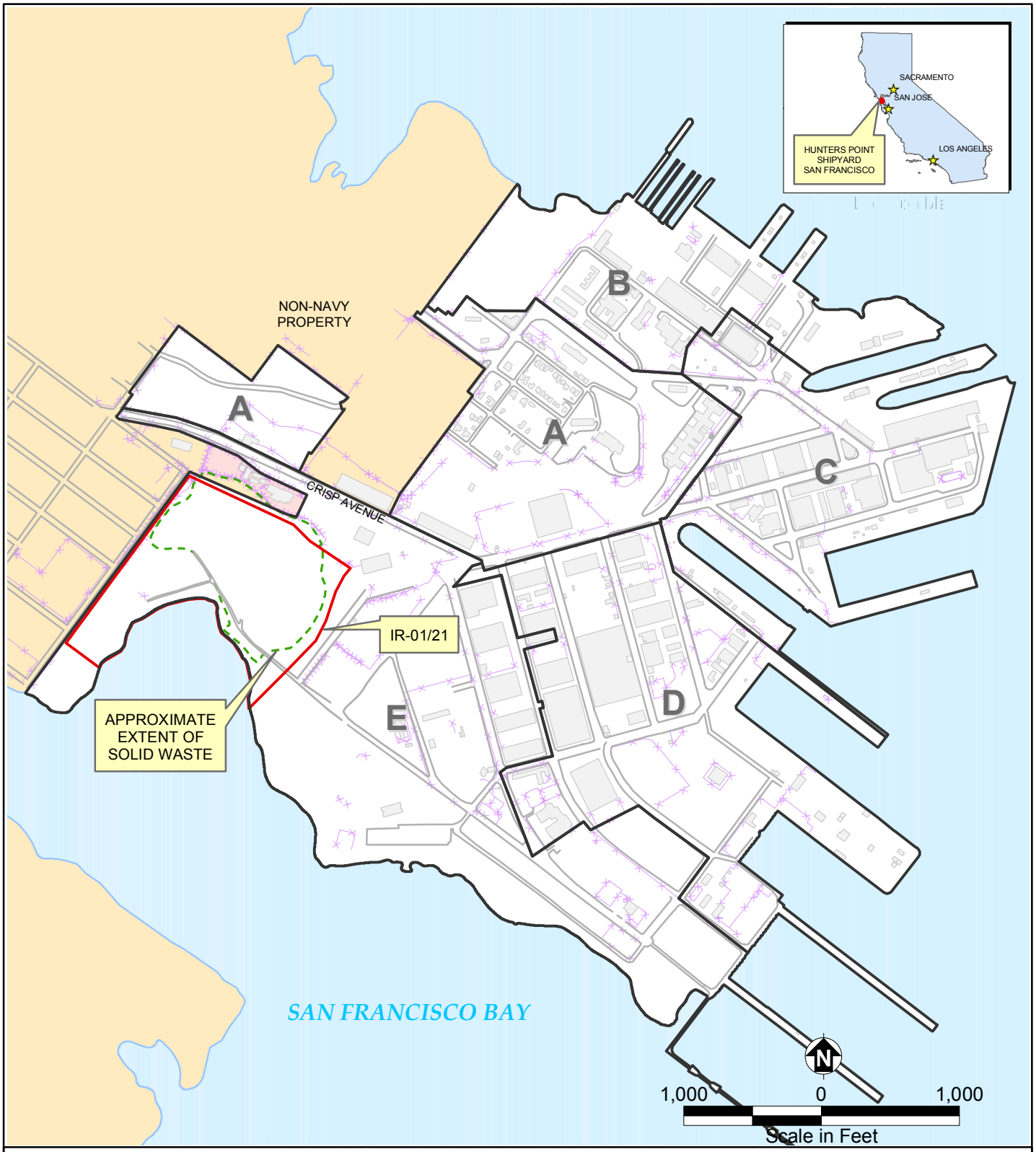
FIGURES



- Approximate Extent of Solid Waste
- Fence
- Building
- Road
- Installation Restoration Site 01/21 (IR-01/21)
- Parcel Boundary
- Non-Navy Property
- University of California, San Francisco (UCSF) Compound

Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 1
FACILITY LOCATION MAP

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

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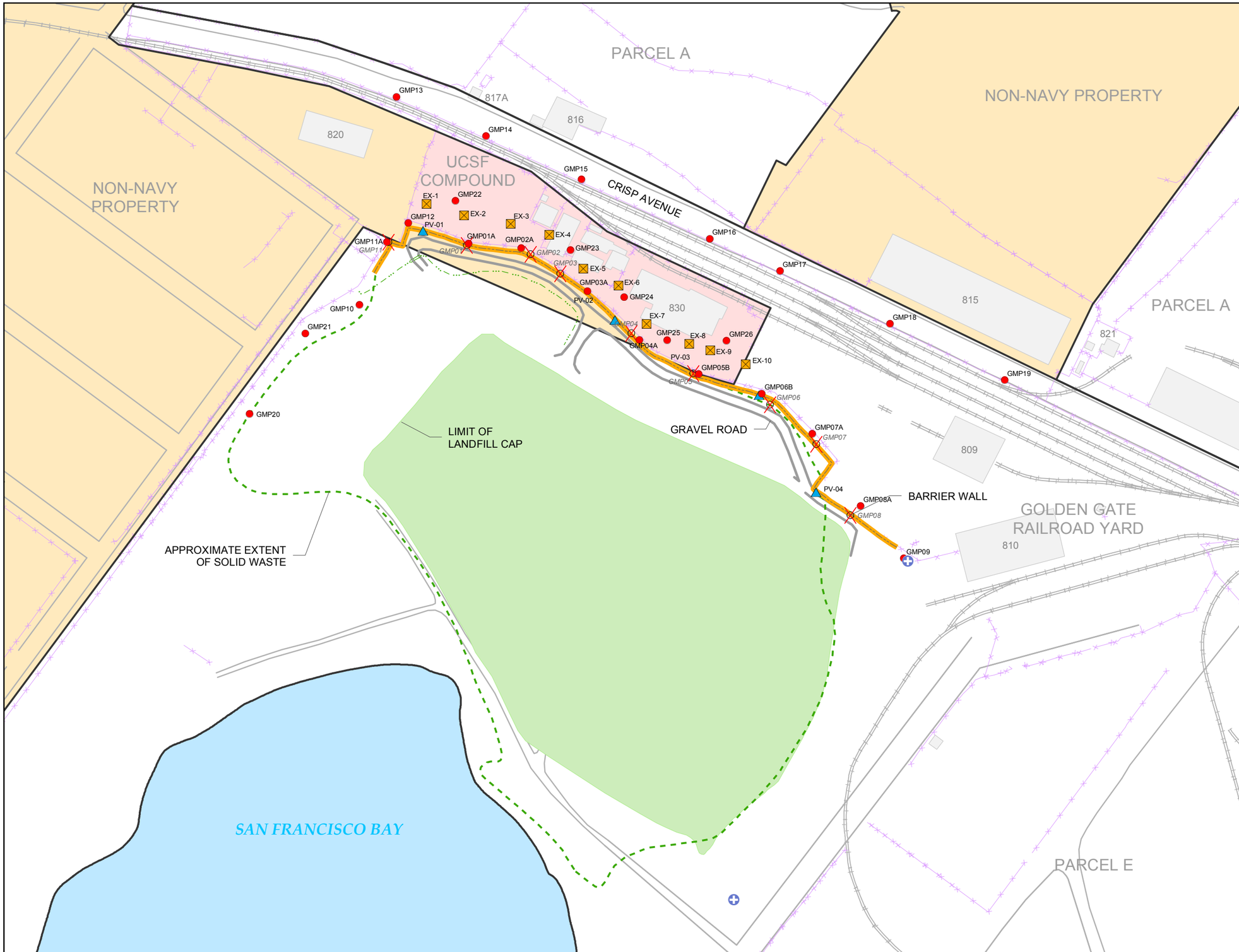

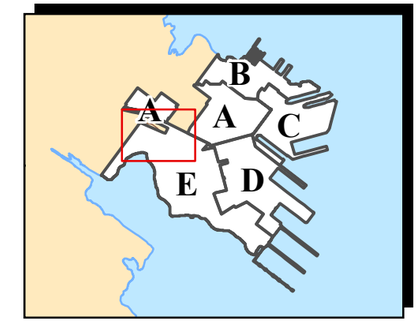

Location Map

- GMP
- Removed GMP
- Extraction Well
- Passive Vent
- Benchmark
- High-Density Polyethylene Barrier Wall
- Approximate Extent of Solid Waste
- Limit of Landfill Cap
- V-Ditch
- Subsurface Pipe
- Parcel Boundary
- Fence
- Building
- Gravel Road
- Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes:
GMP Gas monitoring probe
UCSF University of California, San Francisco

N

200 0 200
Scale in Feet

Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 2
SITE LOCATION MAP

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

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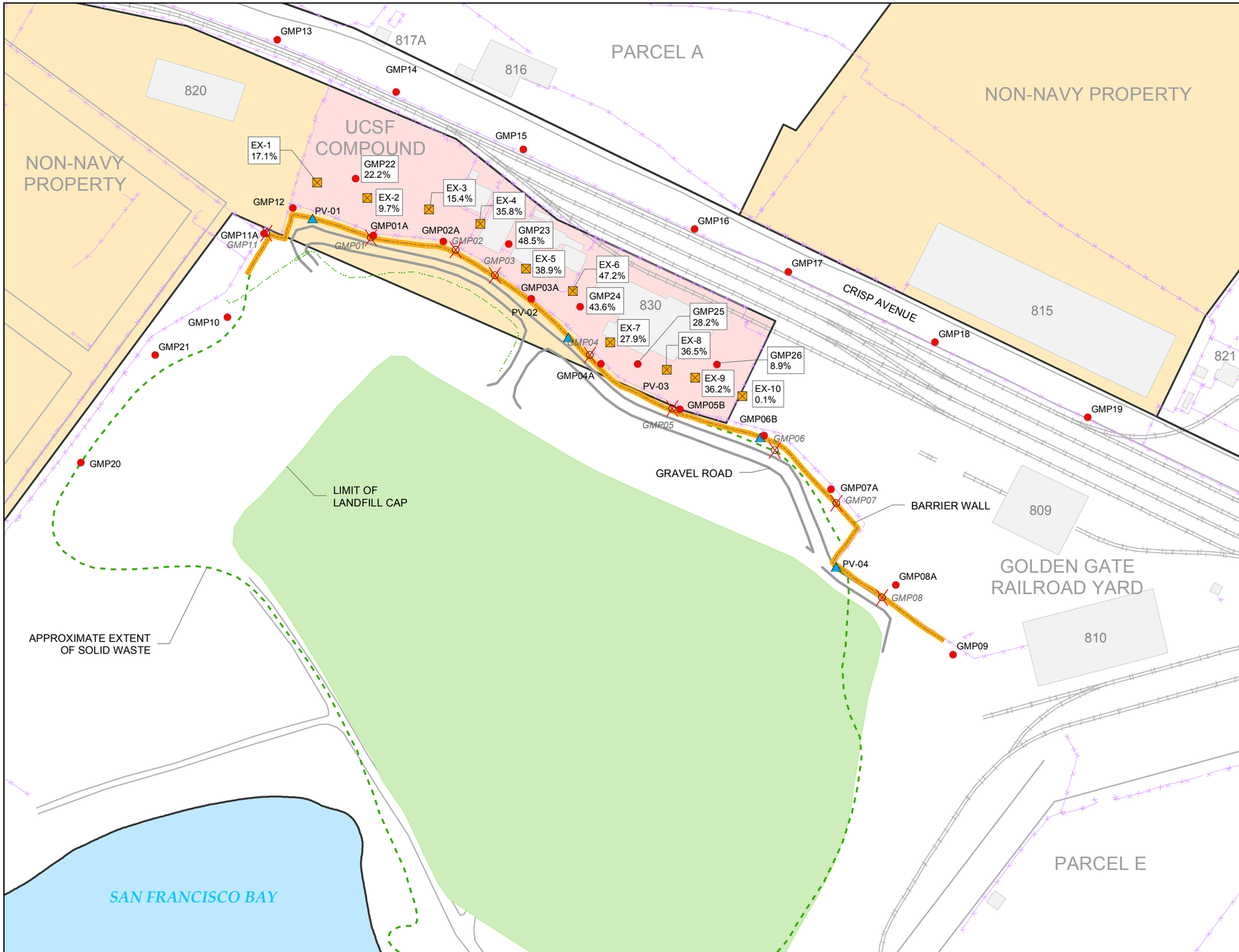

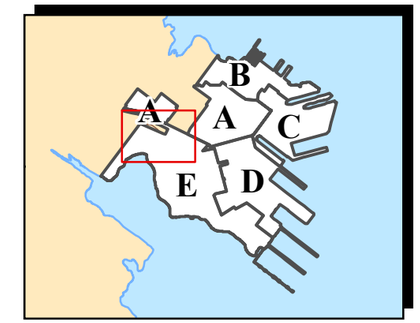

Location Map

- GMP
- Removed GMP
- Extraction Well
- Passive Vent
- High-Density Polyethylene Barrier Wall
- Approximate Extent of Solid Waste
- Limit of Landfill Cap
- V-Ditch
- Subsurface Pipe
- Fence
- Gravel Road
- Parcel Boundary
- Building
- Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes: Value noted below location ID number indicate percent methane by volume detected before start of extraction.

GMP Gas monitoring probe
UCSF University of California, San Francisco

N

150 0 150
Scale in Feet

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U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 3
METHANE CONCENTRATION BEFORE EXTRACTION

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

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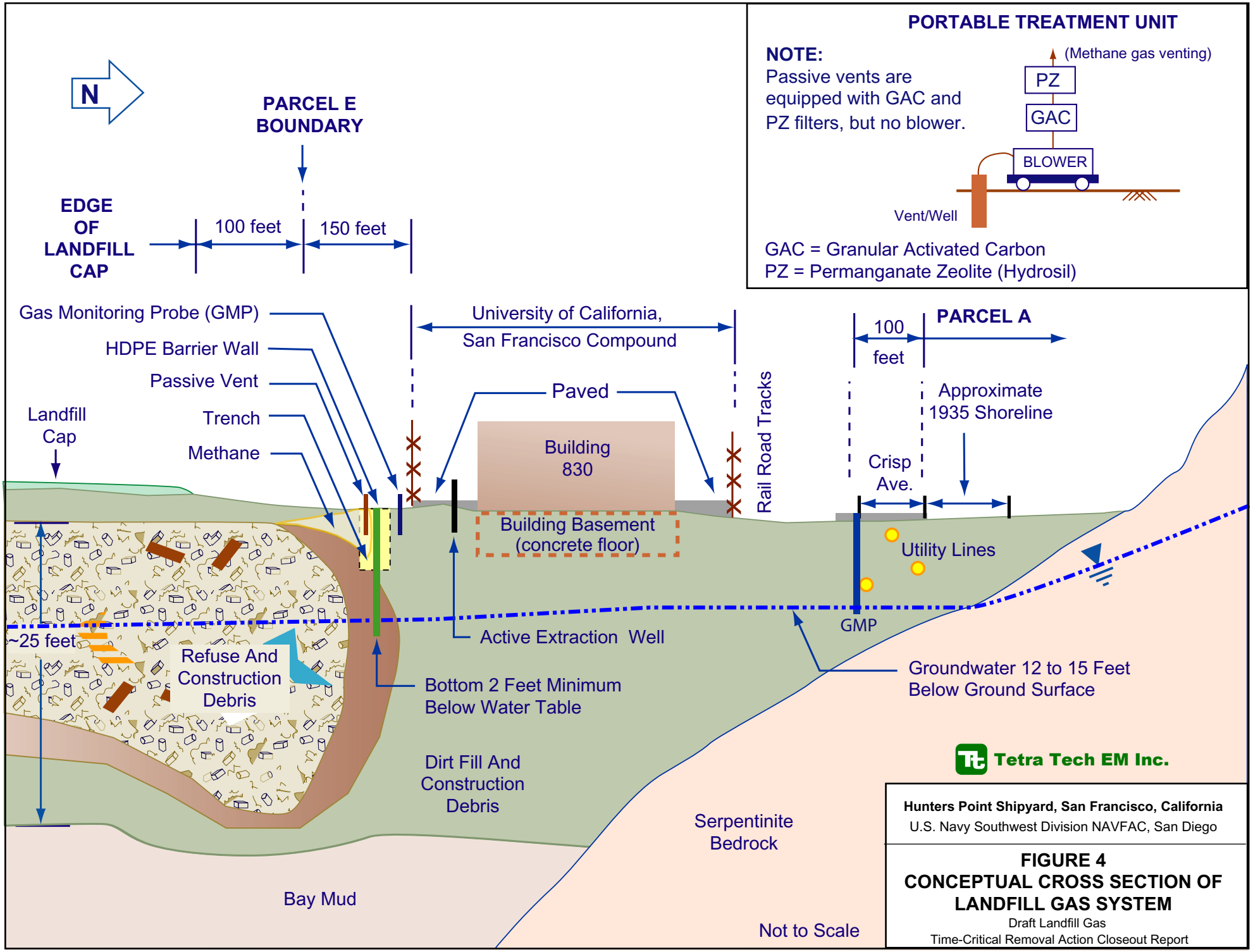
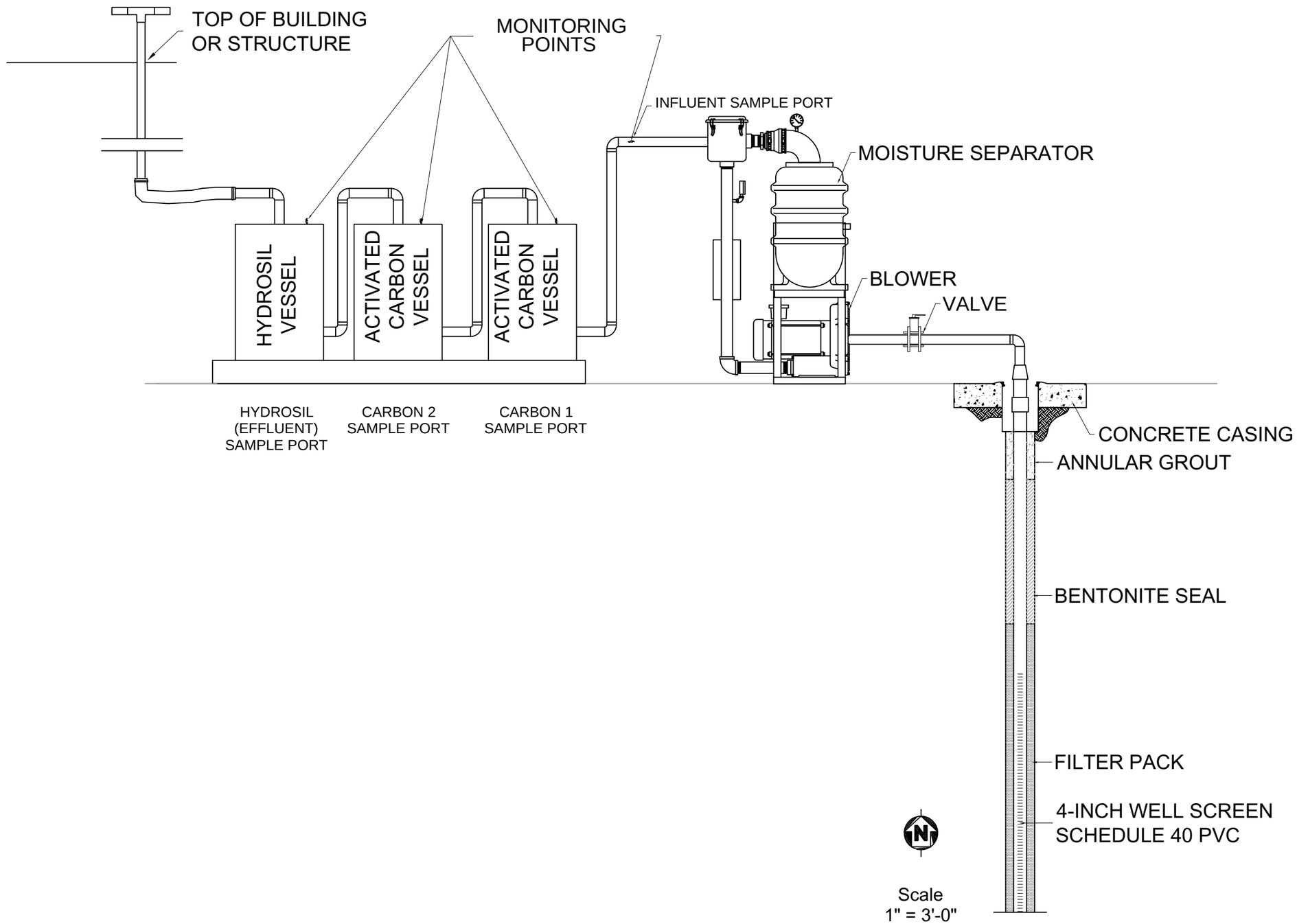

N
PARCEL E BOUNDARY
EDGE OF LANDFILL CAP
100 feet
150 feet
PORTABLE TREATMENT UNIT
NOTE:
Passive vents are equipped with GAC and PZ filters, but no blower.
(Methane gas venting)
PZ
GAC
BLOWER
Vent/Well
GAC = Granular Activated Carbon
PZ = Permanganate Zeolite (Hydrosil)
Gas Monitoring Probe (GMP)
HDPE Barrier Wall
Passive Vent
Trench
Methane
Landfill Cap
University of California, San Francisco Compound
Paved
Building 830
Building Basement (concrete floor)
Rail Road Tracks
100 feet
PARCEL A
Approximate 1935 Shoreline
Crisp Ave.
Utility Lines
GMP
~25 feet
Refuse And Construction Debris
Active Extraction Well
Bottom 2 Feet Minimum Below Water Table
Groundwater 12 to 15 Feet Below Ground Surface
Dirt Fill And Construction Debris
Serpentinite Bedrock
Bay Mud
Not to Scale
Tetra Tech EM Inc.
Hunters Point Shipyard, San Francisco, California
U.S. Navy Southwest Division NAVFAC, San Diego
FIGURE 4
CONCEPTUAL CROSS SECTION OF LANDFILL GAS SYSTEM
Draft Landfill Gas
Time-Critical Removal Action Closeout Report



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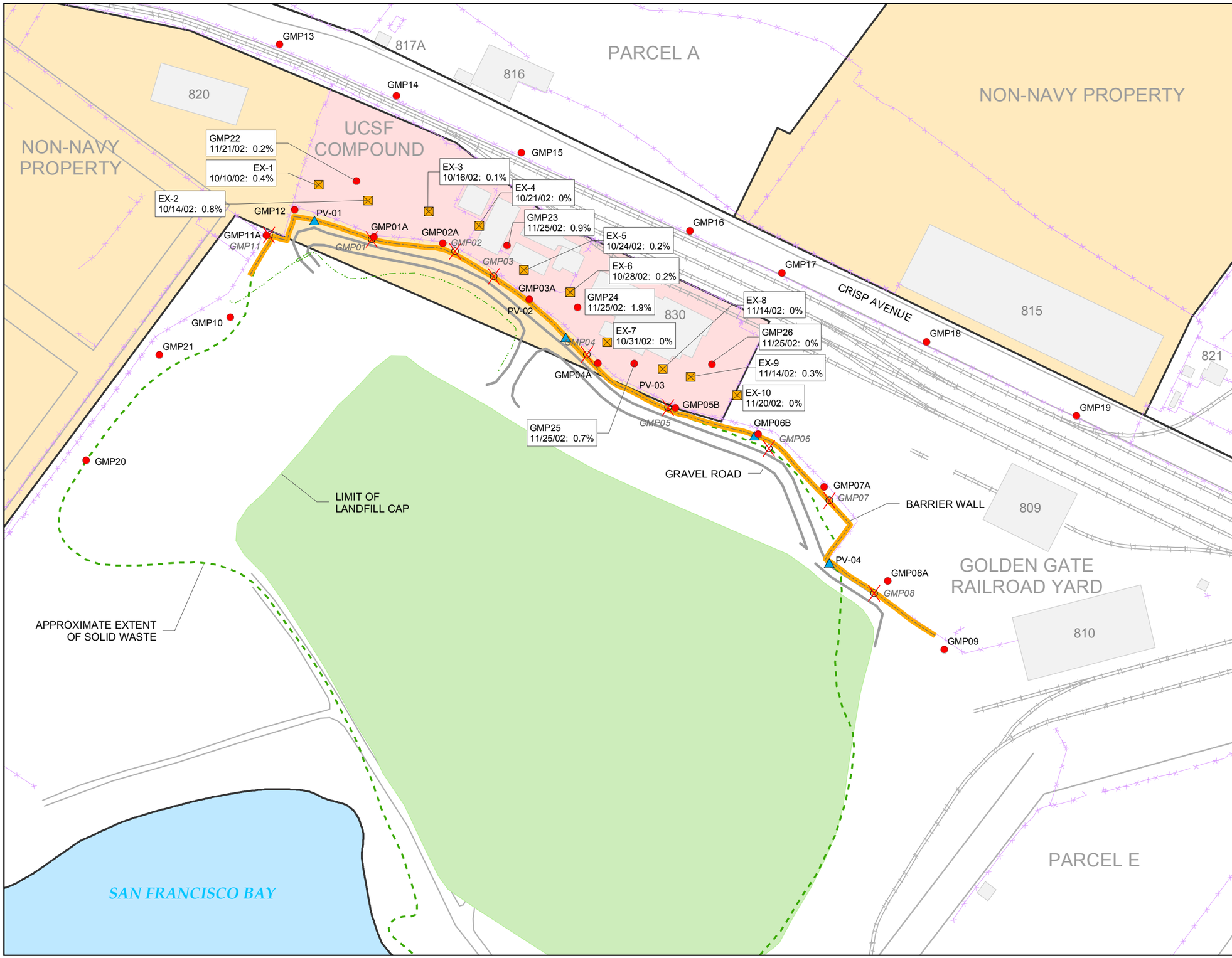
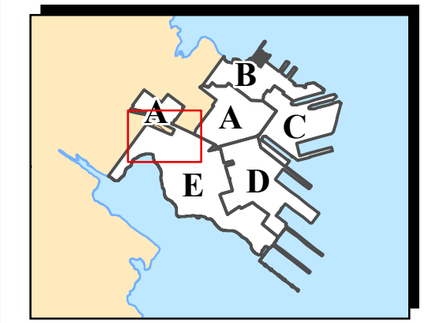
U.S. Navy, Southwest Division NAVFAC, San Diego

FIGURE 5
EXTRACTION SYSTEM
MONITORING POINTS

Draft Landfill Gas
Time-Critical Removal Action Closeout Report





Location Map

- GMP
- Removed GMP
- Extraction Well
- Passive Vent
- High-Density Polyethylene Barrier Wall
- Approximate Extent of Solid Waste
- Limit of Landfill Cap
- V-Ditch
- Subsurface Pipe
- Fence
- gravel road
- Parcel Boundary
- Building
- Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes: The date and result (percent methane by volume) of monitoring during cycle 1, after extraction, are noted below location ID number.

GMP Gas monitoring probe
UCSF University of California, San Francisco

150 0 150
Scale in Feet

Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 6
METHANE CONCENTRATION AFTER EXTRACTING DURING CYCLE 1

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

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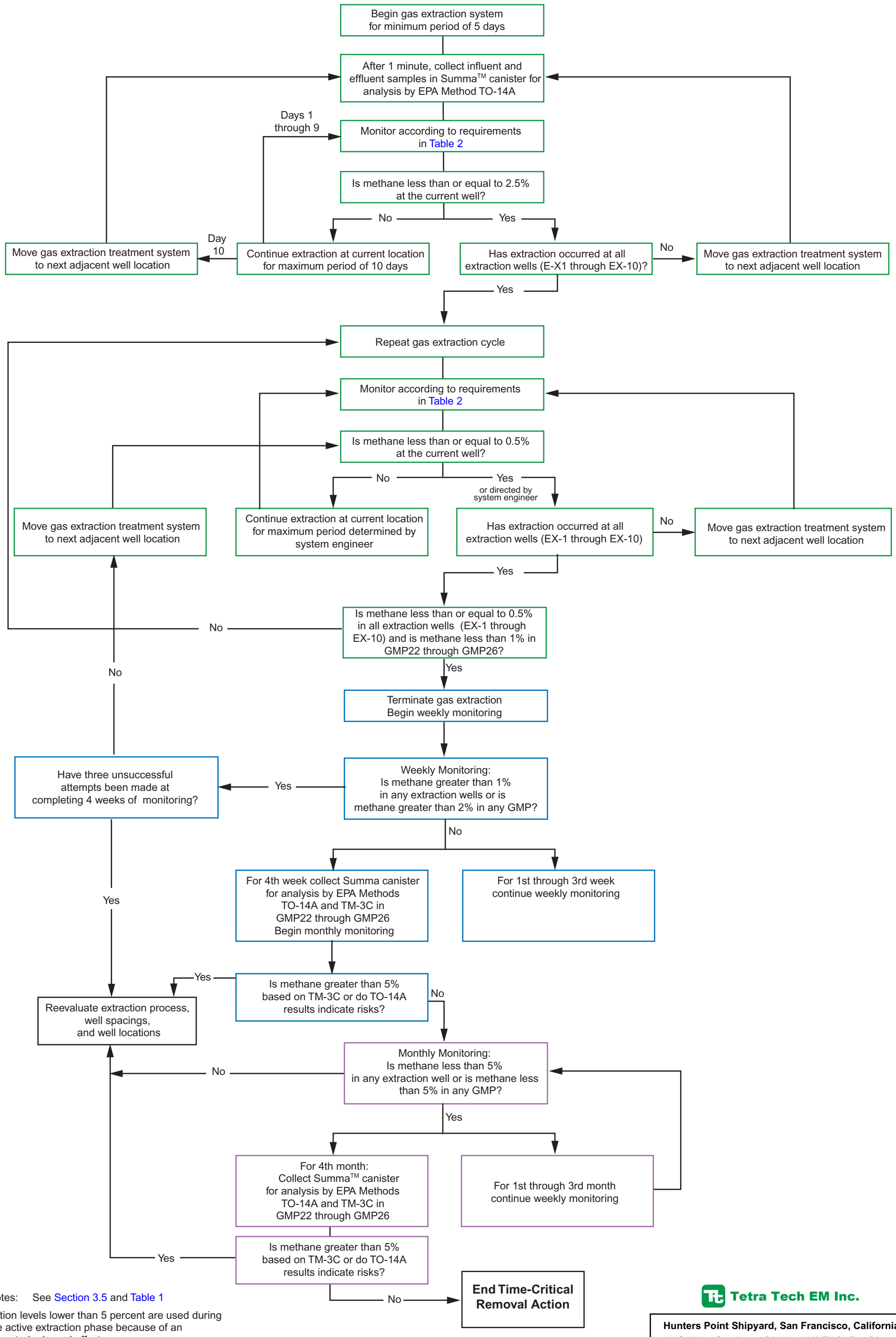

Notes: See Section 3.5 and Table 1

Action levels lower than 5 percent are used during the active extraction phase because of an expected rebound effect.

EPA U.S. Environmental Protection Agency
GMP Gas monitoring probe

Green box denotes action extraction
Blue box denotes weekly monitoring
Purple box denotes monthly monitoring

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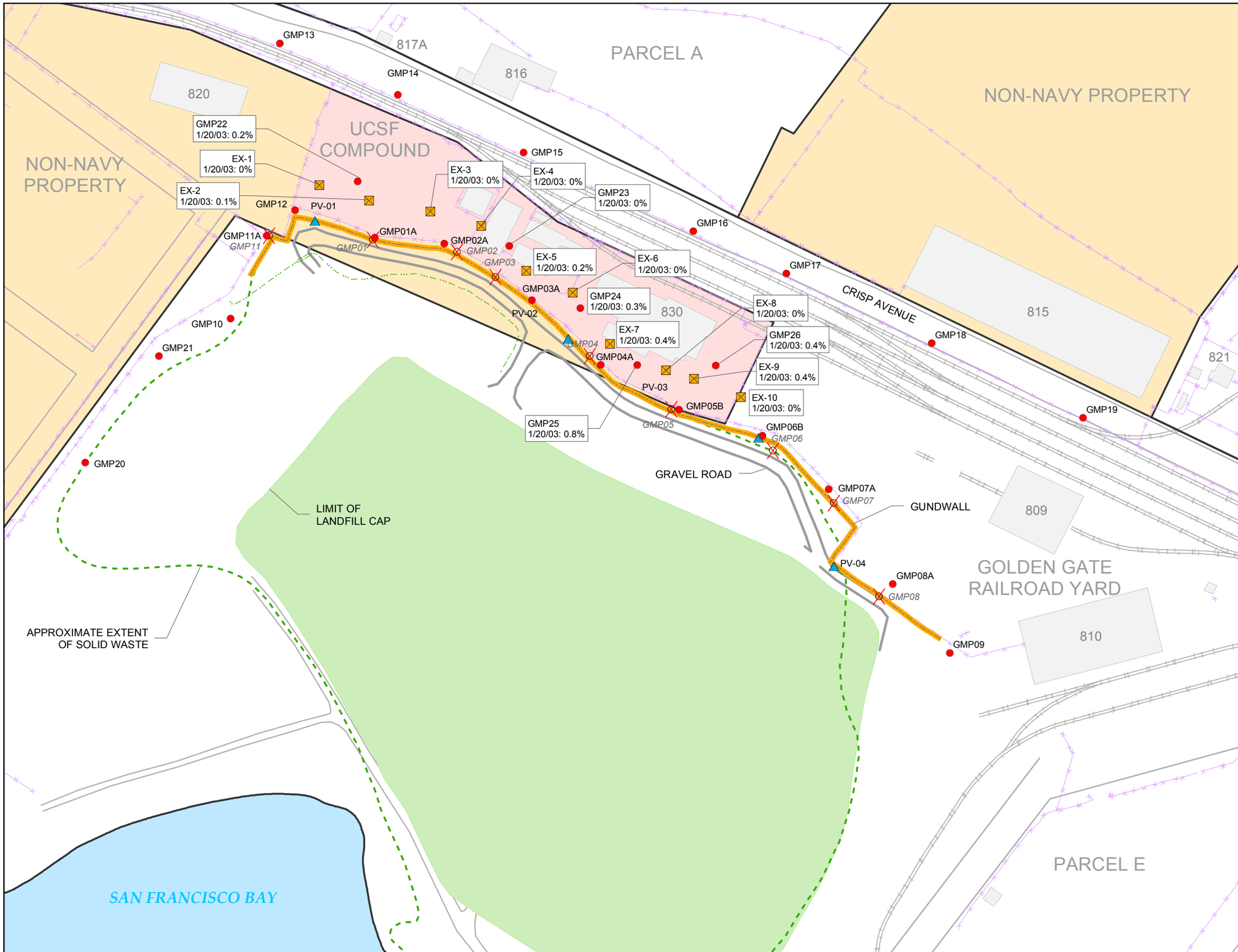
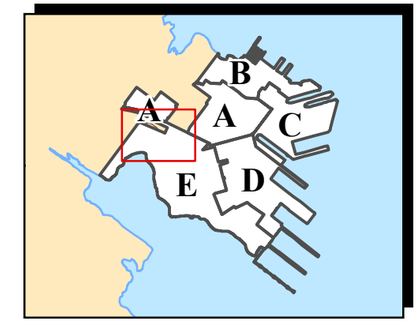
Hunters Point Shipyard, San Francisco, California
U.S. Navy Southwest Division NAVFAC, San Diego

FIGURE 7
CLOSURE CRITERIA FLOW CHART

Draft Landfill Gas
Time-Critical Removal Action Closeout Report





Location Map

- GMP
- Removed GMP
- Extraction Well
- Passive Vent
- High-Density Polyethylene Barrier Wall
- Approximate Extent of Solid Waste
- Limit of Landfill Cap
- V-Ditch
- Subsurface Pipe
- Fence
- Parcel Boundary
- Building
- Gravel Road
- Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes: The date and result (percent methane by volume) of monitoring during cycle 2, after extraction, are noted below location ID number.

GMP Gas monitoring probe
UCSF University of California, San Francisco

N

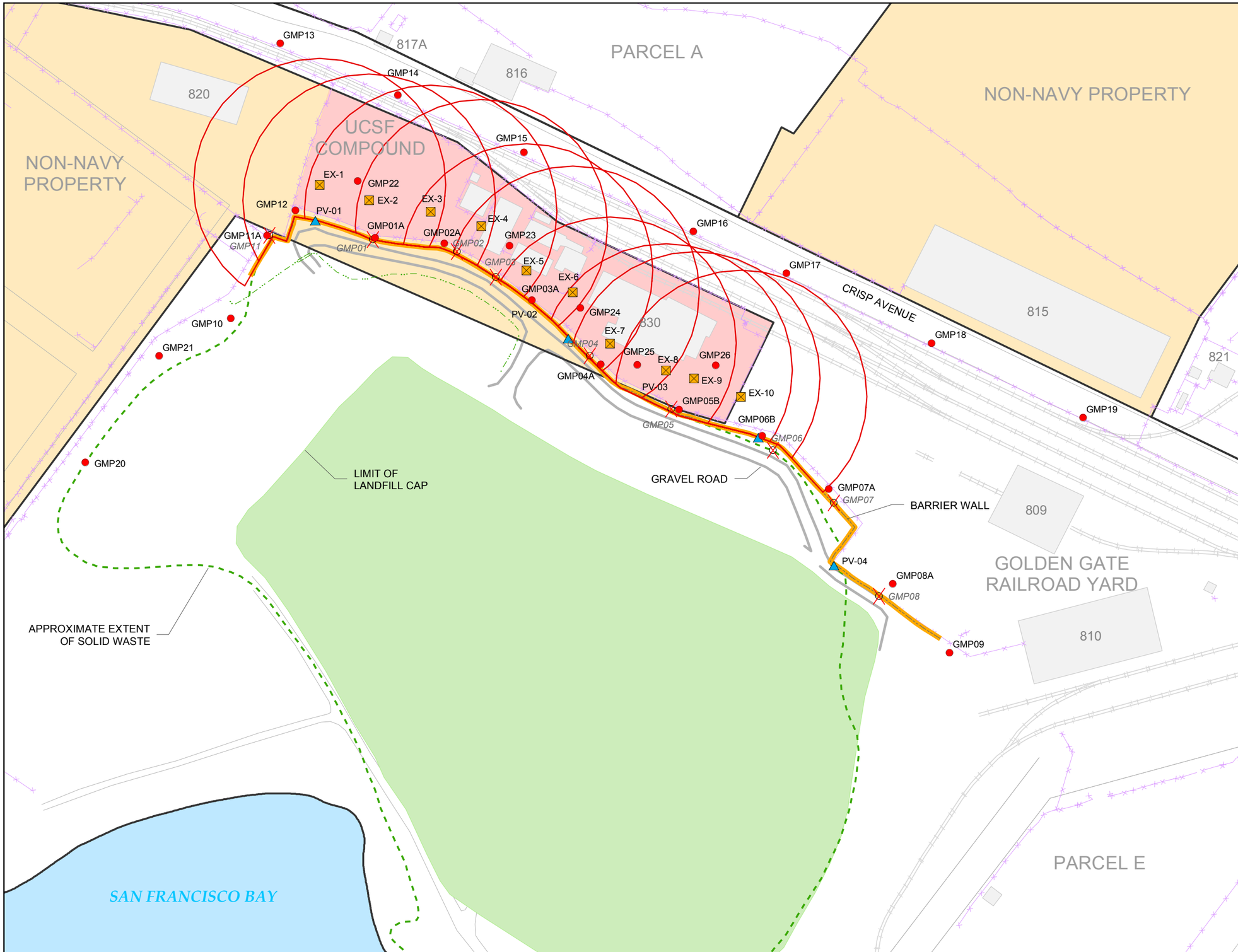
150 0 150
Scale in Feet

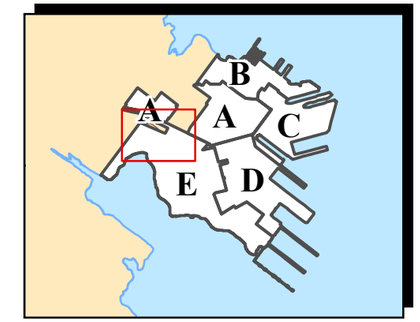
Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 8
METHANE CONCENTRATION AFTER STOPPING ACTIVE EXTRACTION
Draft Landfill Gas
Time-Critical Removal Action Closeout Report

03-16-2003 v:\hunters point\projects\landfill\landfill gas ra\landfill gas ra report_fig8.mxd TtEMI-SF kim.huynh





Location Map

- Estimated Radius of Influence
- GMP
- Removed GMP
- Extraction Well
- Passive Vent
- High-Density Polyethylene Barrier Wall
- Approximate Extent of Solid Waste
- Limit of Landfill Cap
- V-Ditch
- Subsurface Pipe
- Fence
- Parcel Boundary
- Building
- Gravel Road
- Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes:
GMP Gas monitoring probe
UCSF University of California, San Francisco

150 0 150
Scale in Feet

Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 9
ESTIMATED RADIUS OF INFLUENCE FOR EXTRACTION WELLS

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

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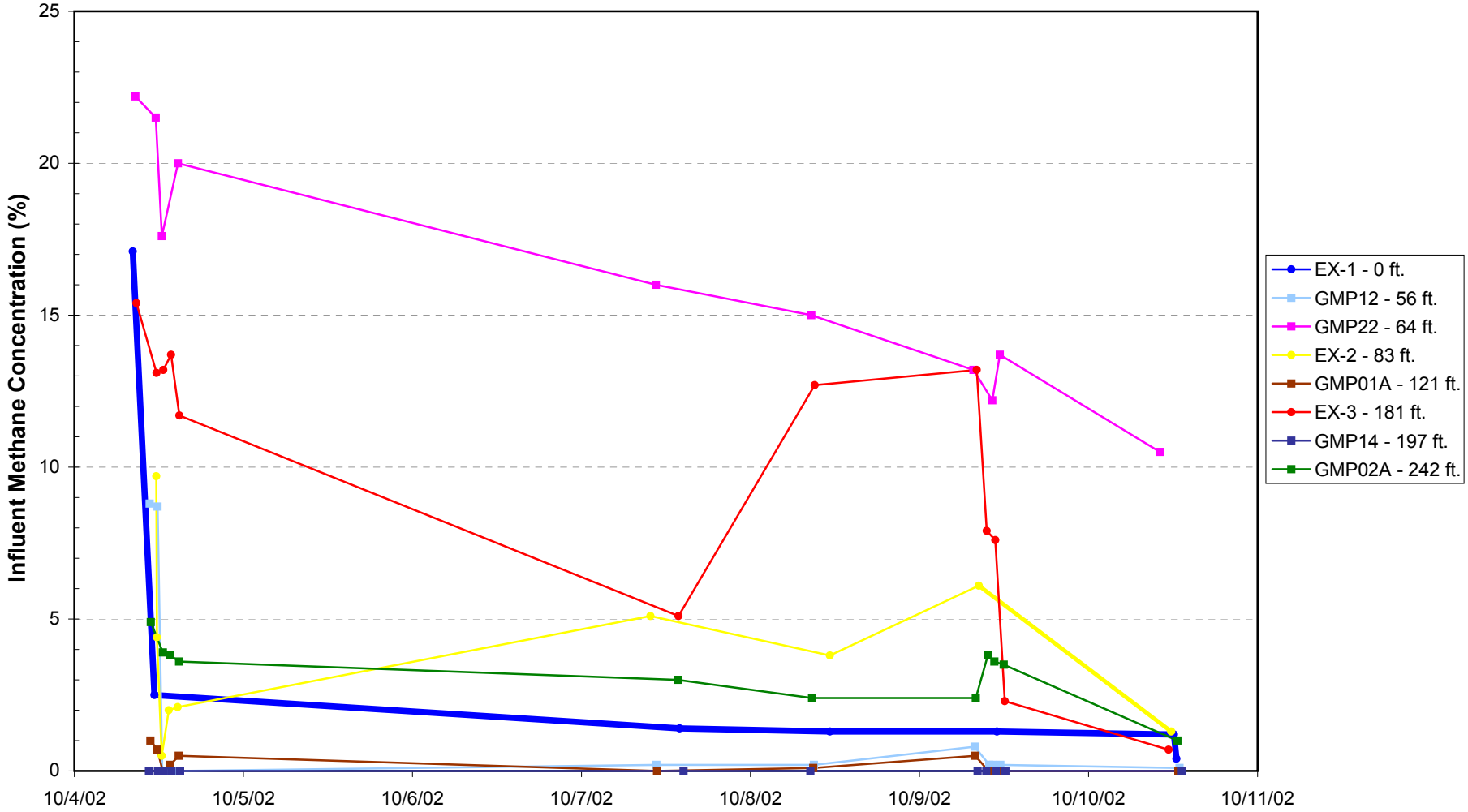


Tetra Tech EM Inc.

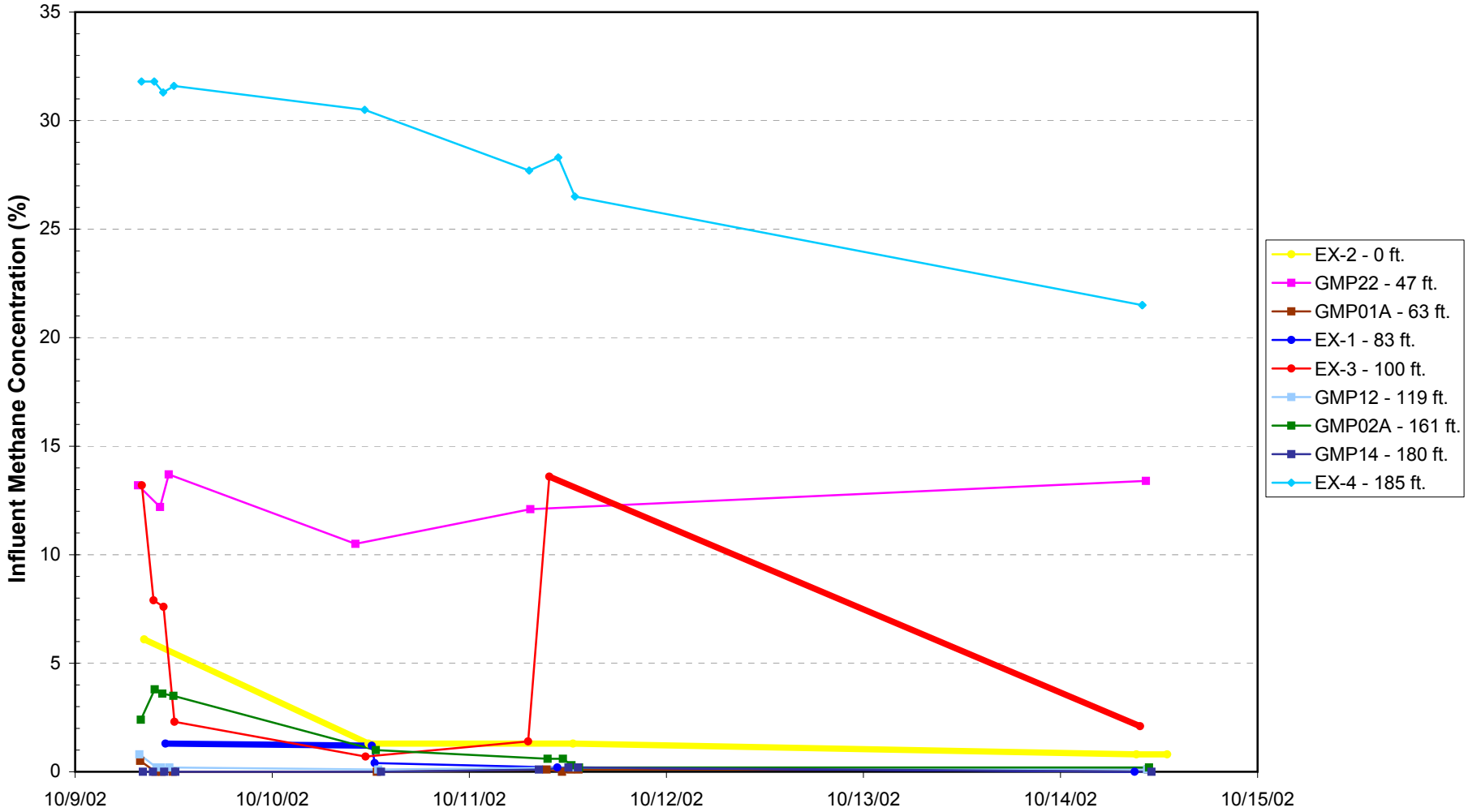
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-1 began on October 4, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 10
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-1

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

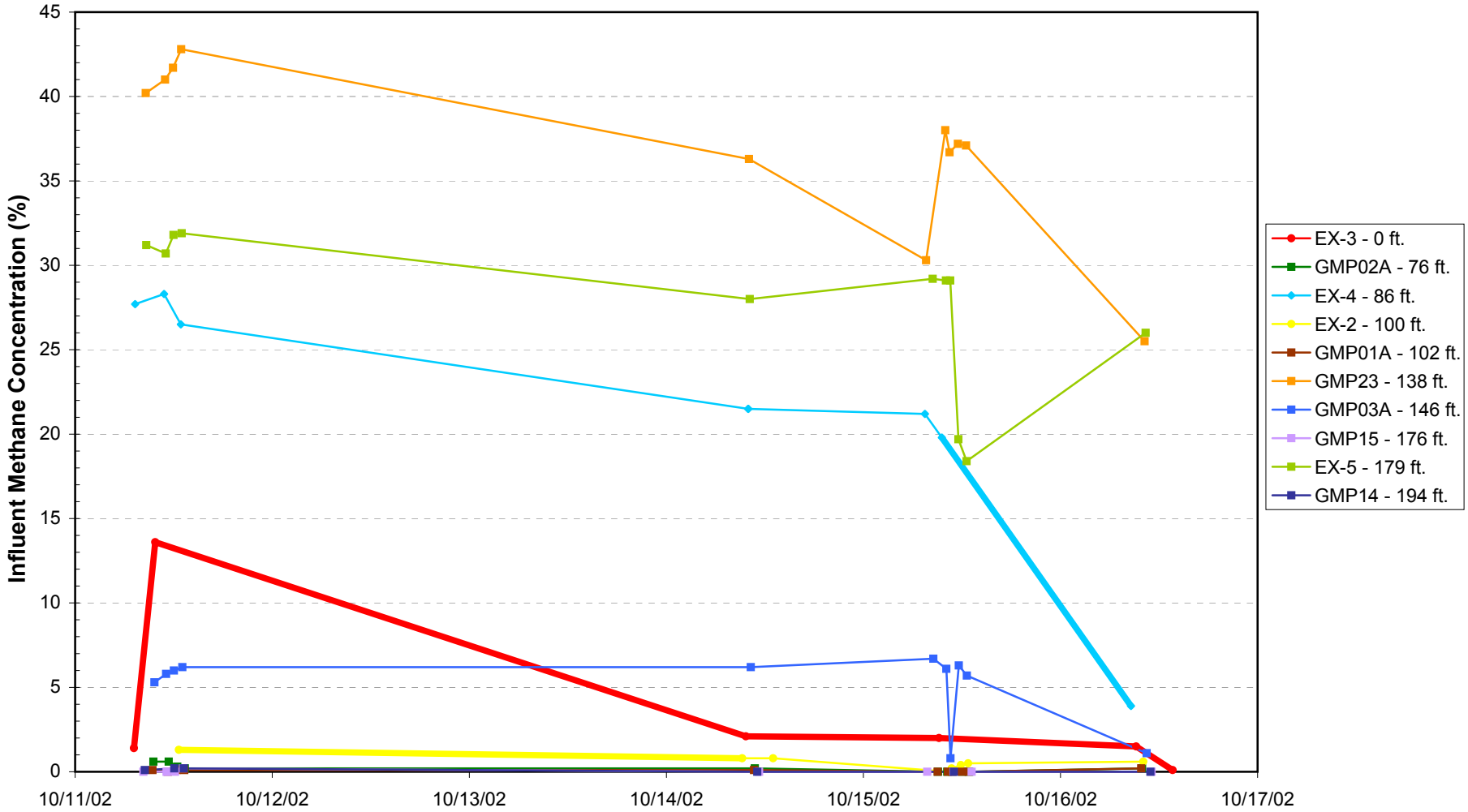
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-2 began on October 9, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 11
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-2

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

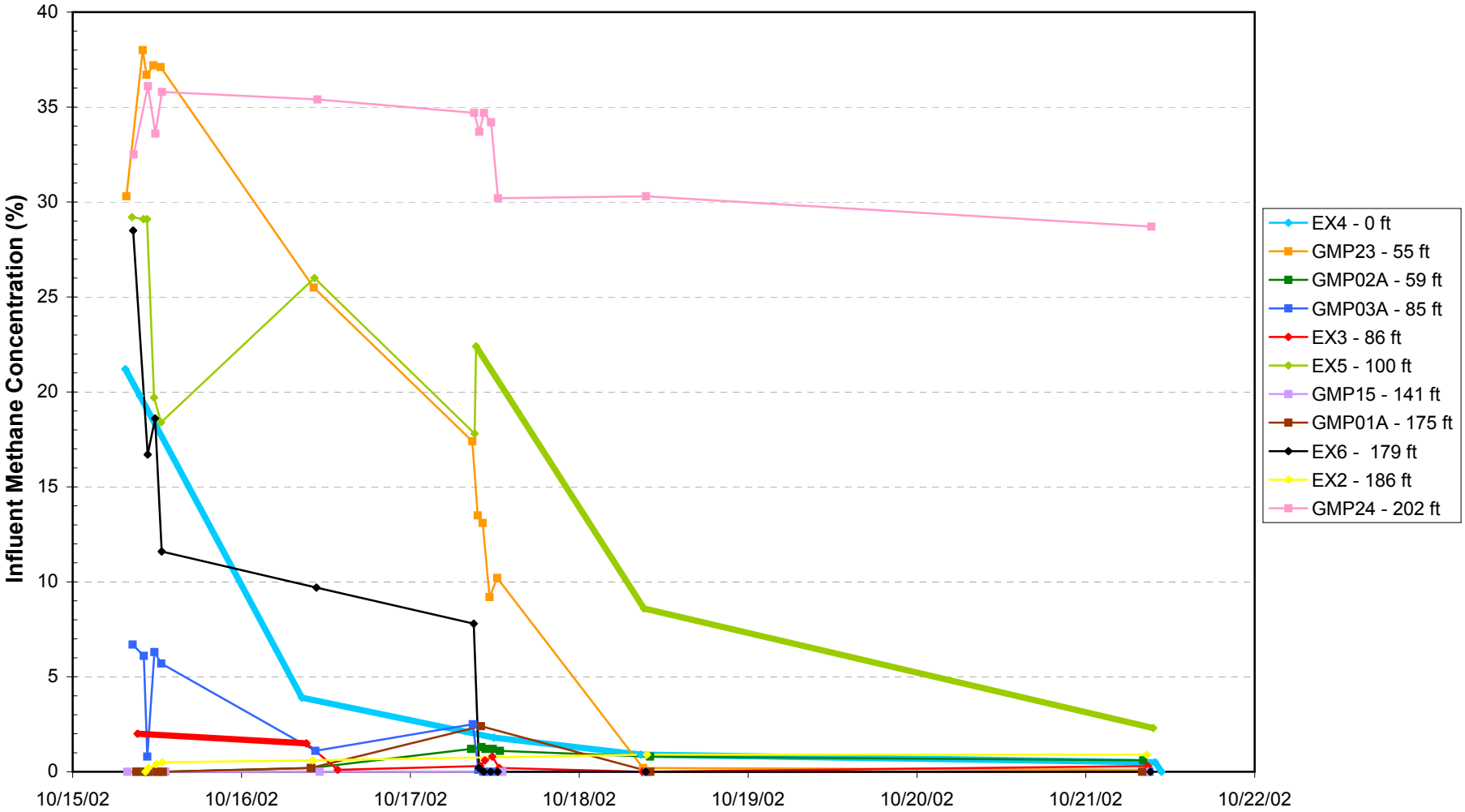
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX3 began on October 11, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 12
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-3

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

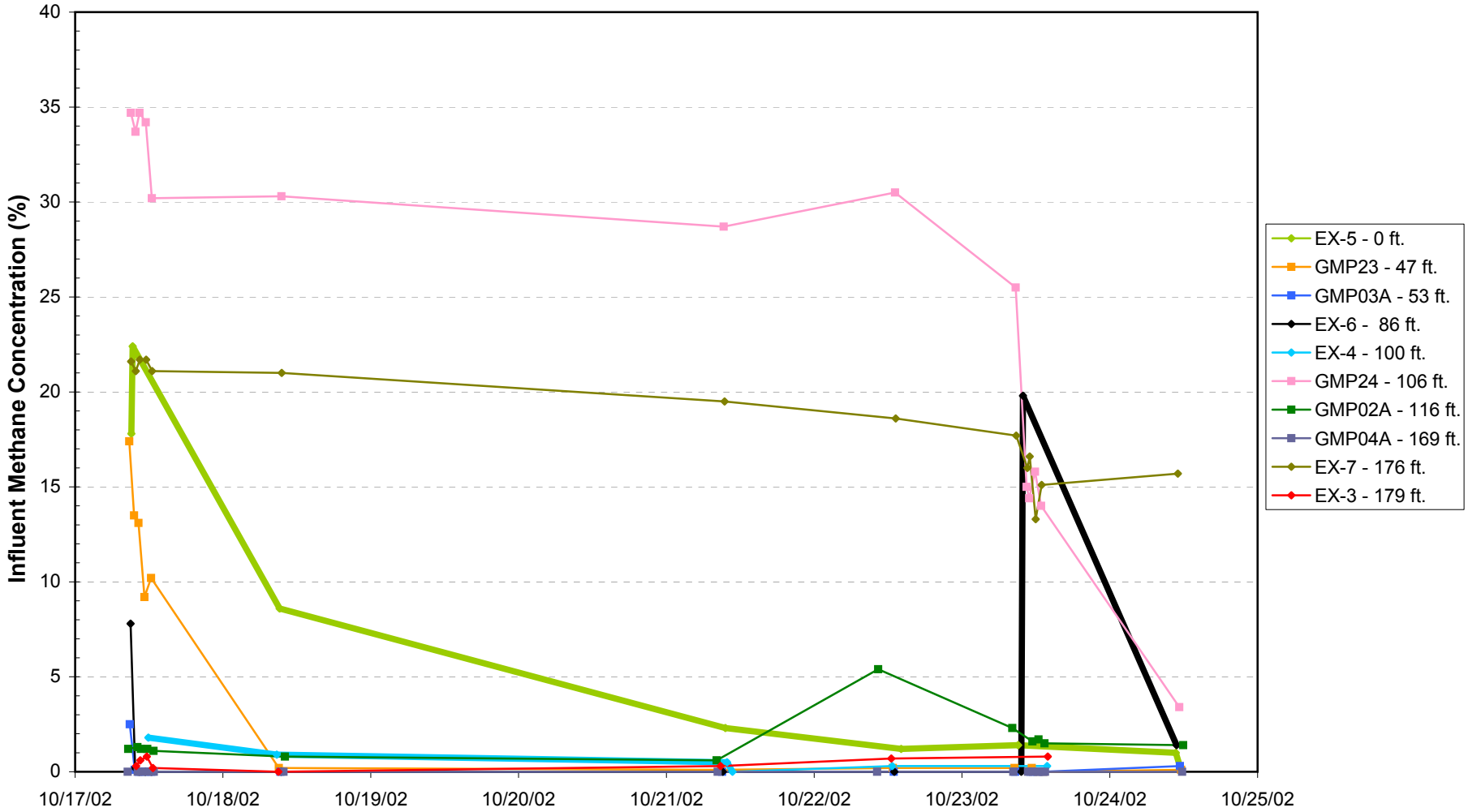
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-4 began on October 15, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 13
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-4

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

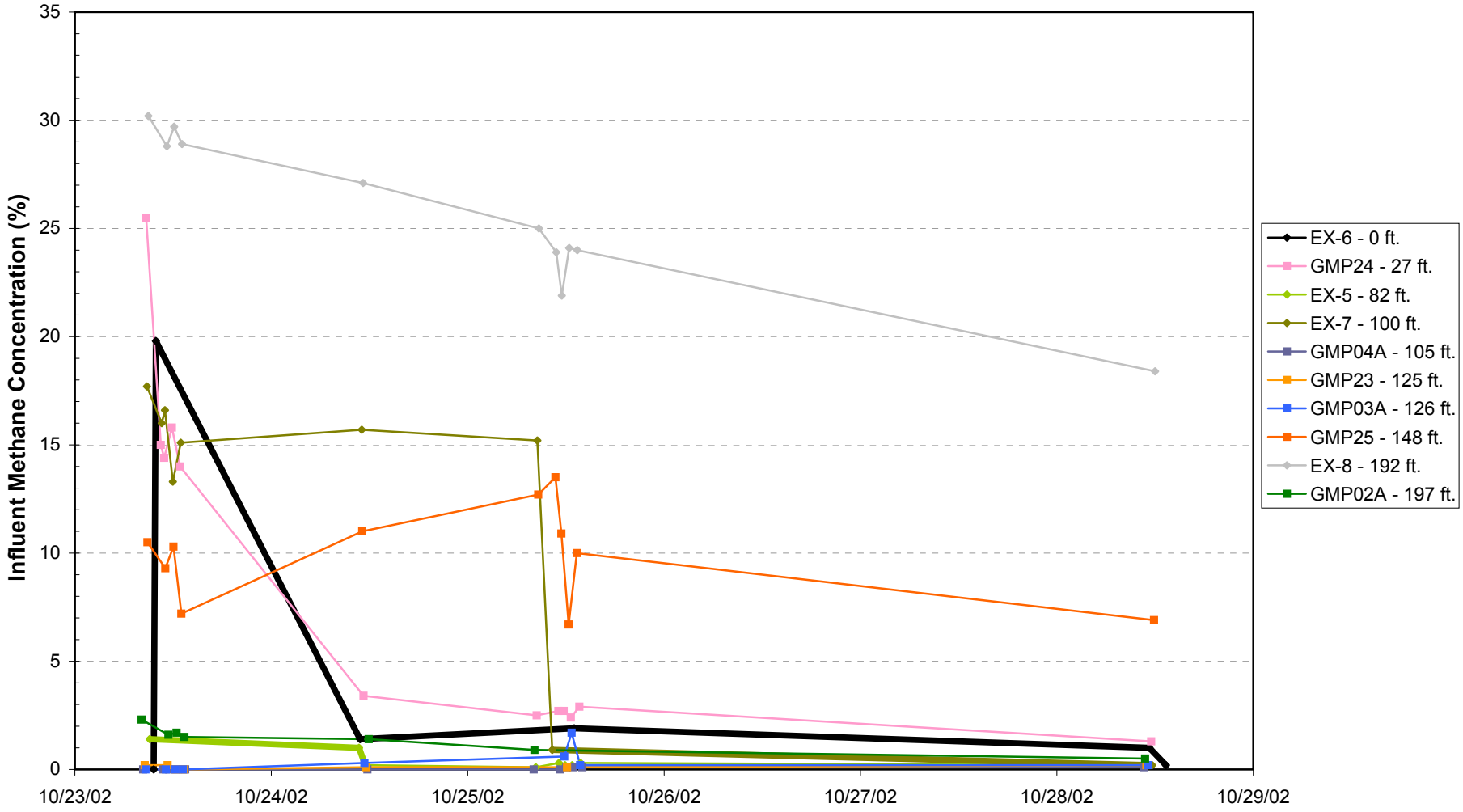
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-5 began on October 17, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 14
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-5

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

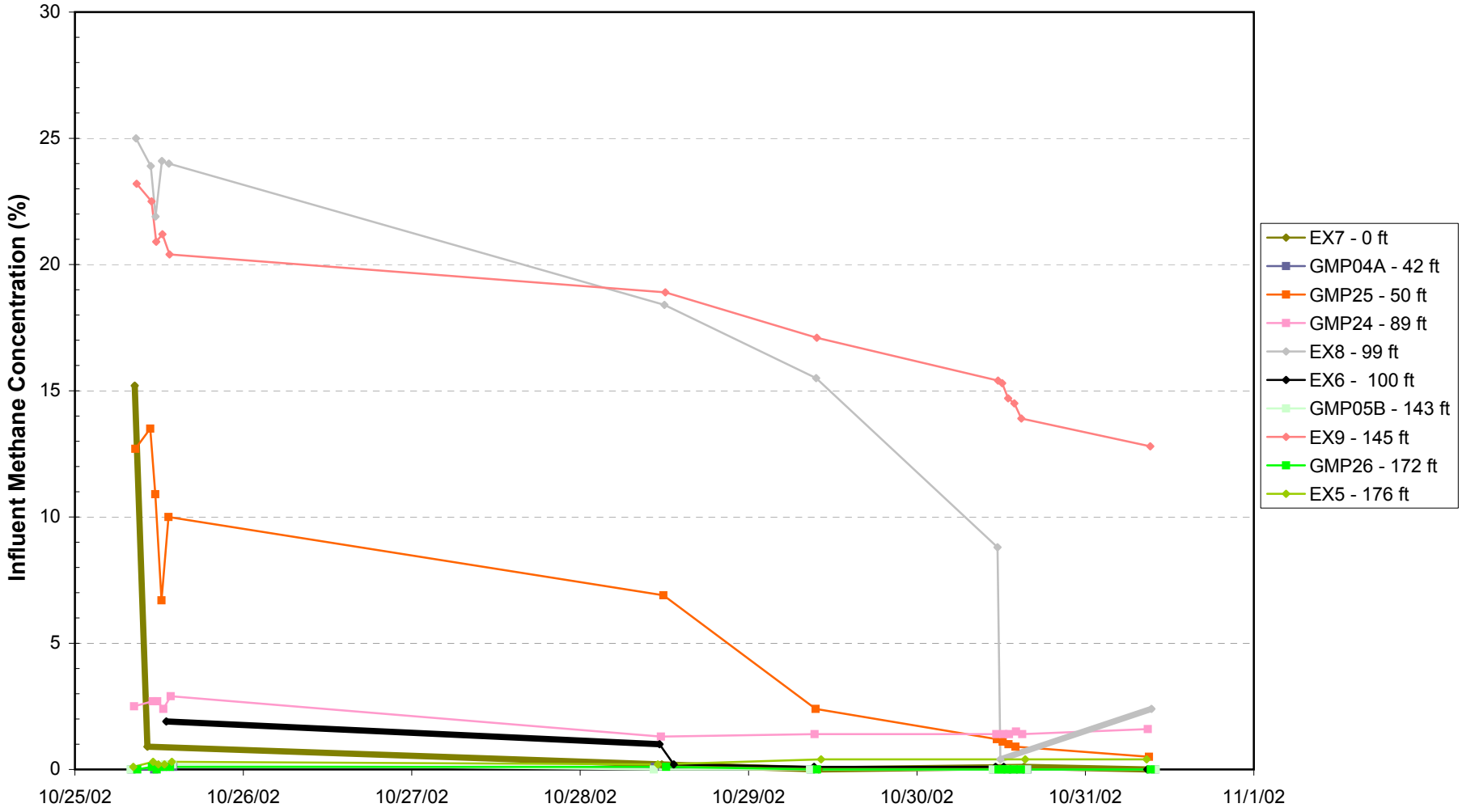
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-6 began on October 23, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 15
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-6

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

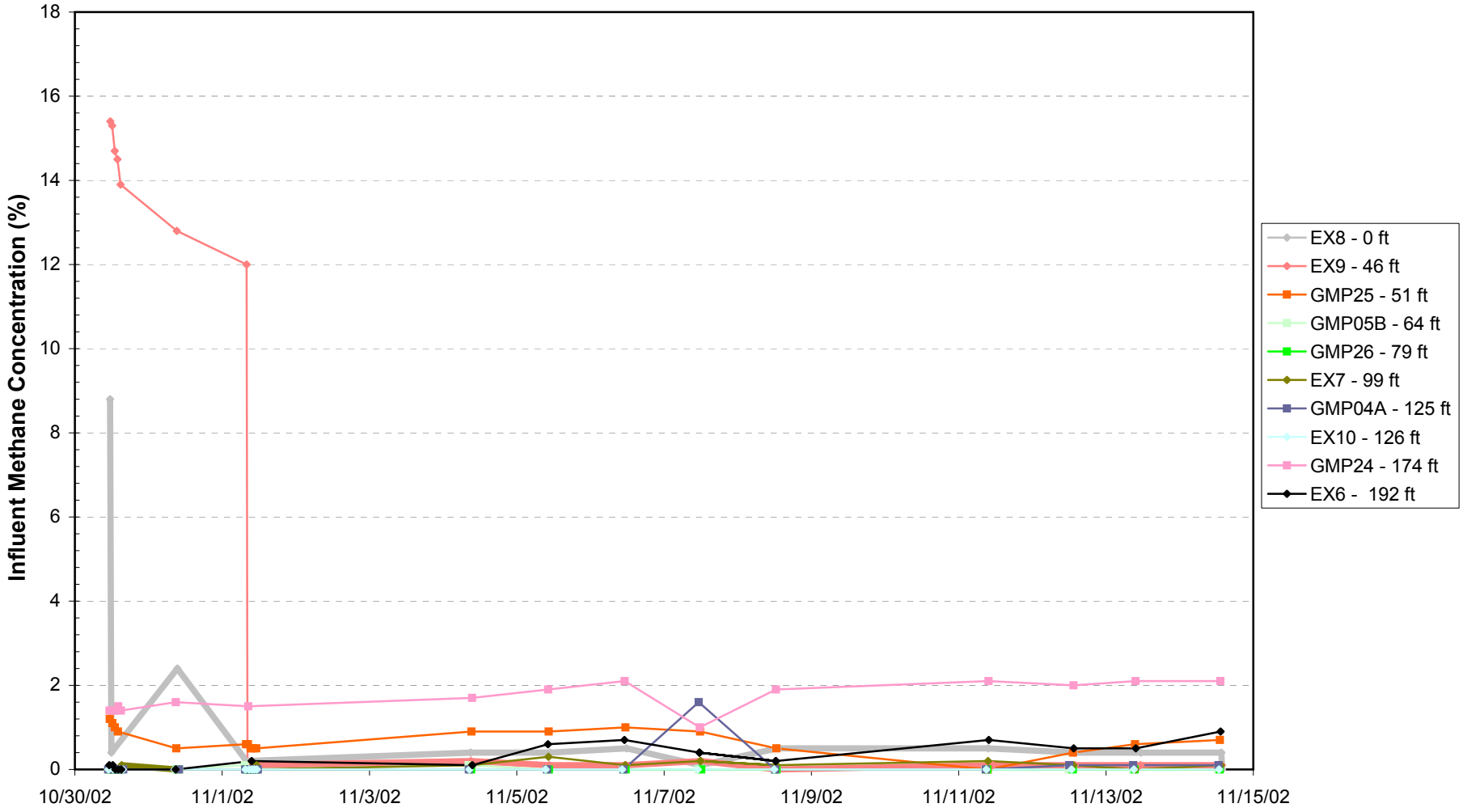
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-7 began on October 25, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 16
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-7

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

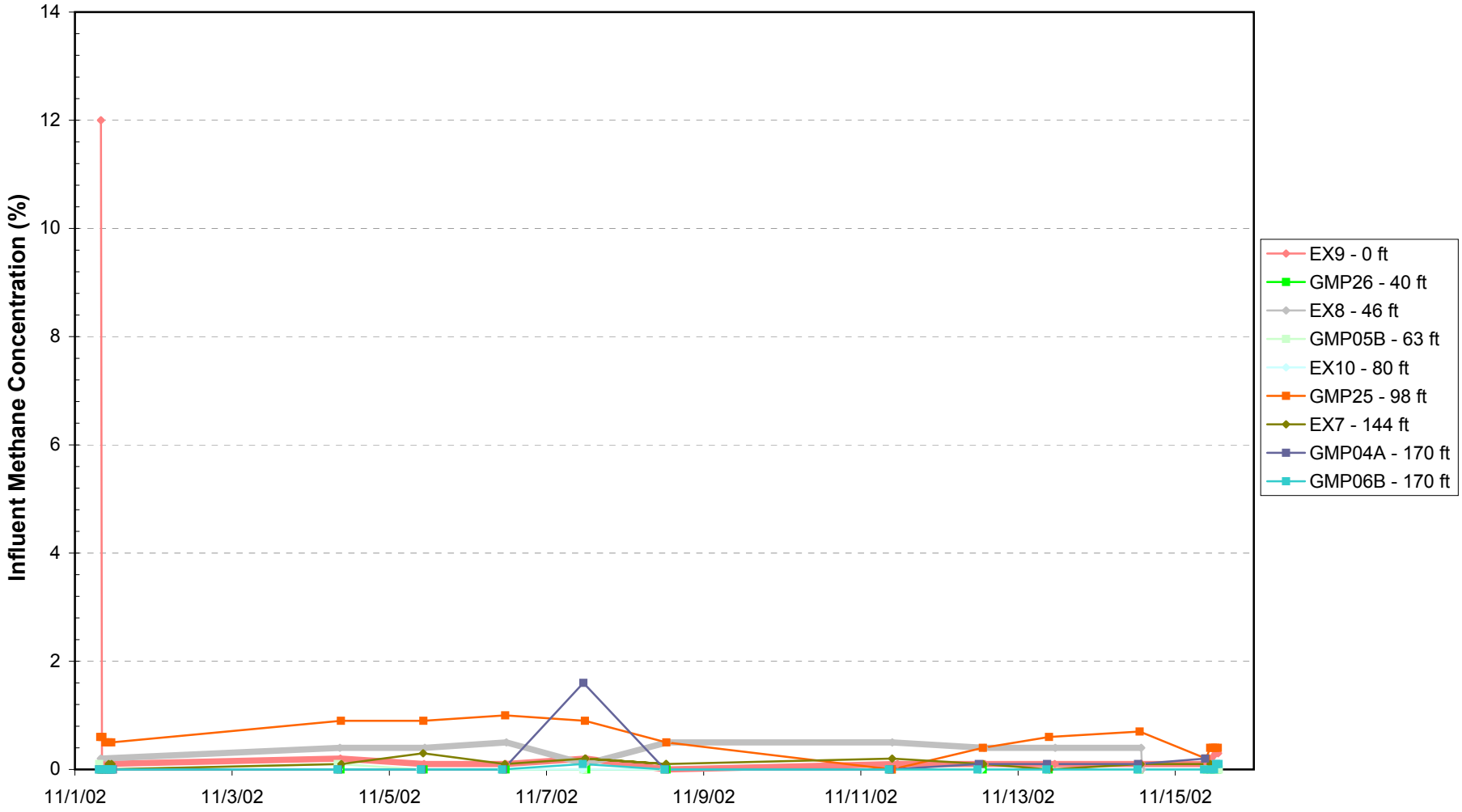
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-8 began on October 30, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 17
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-8

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

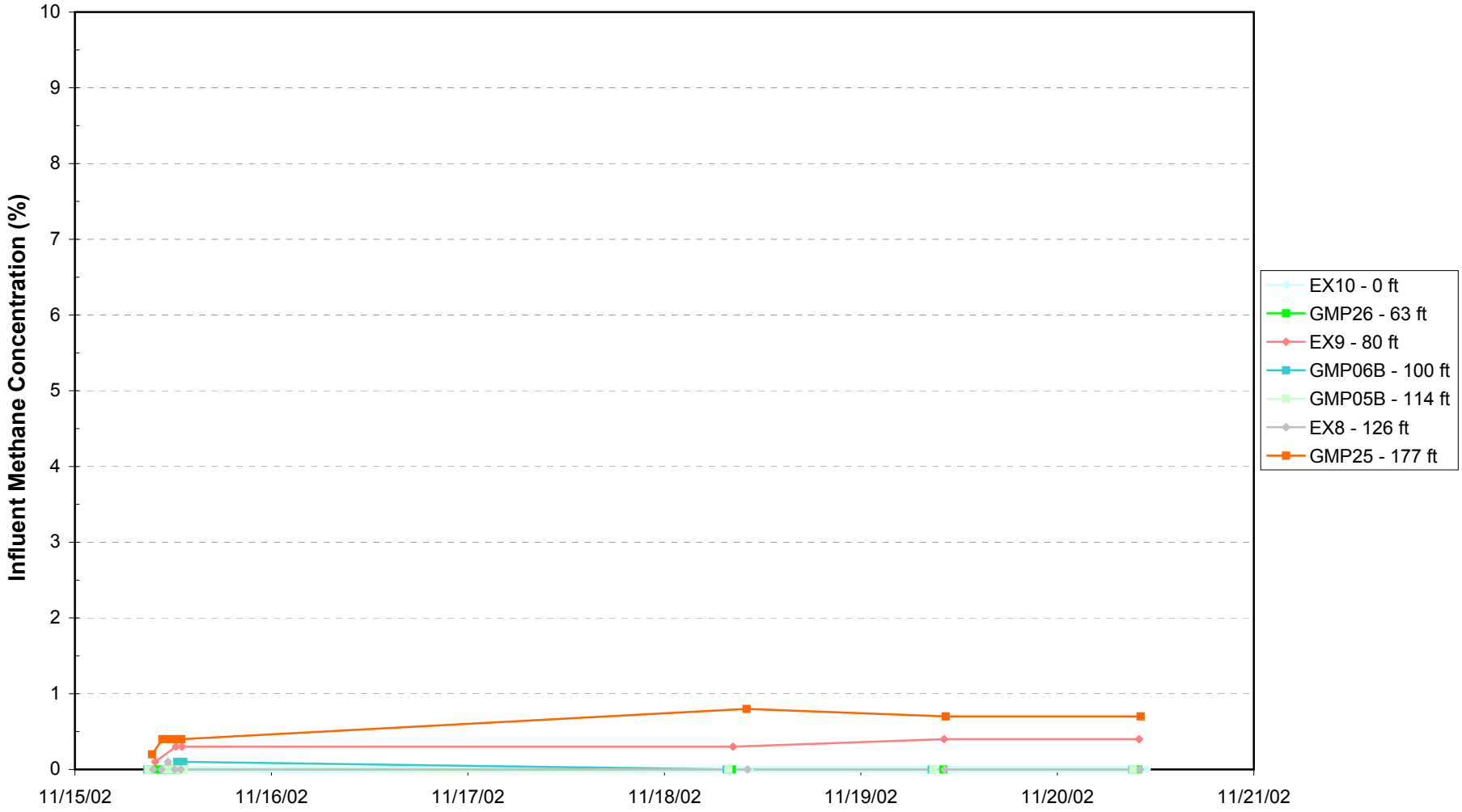
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-9 began on November 1, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 18
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-9

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

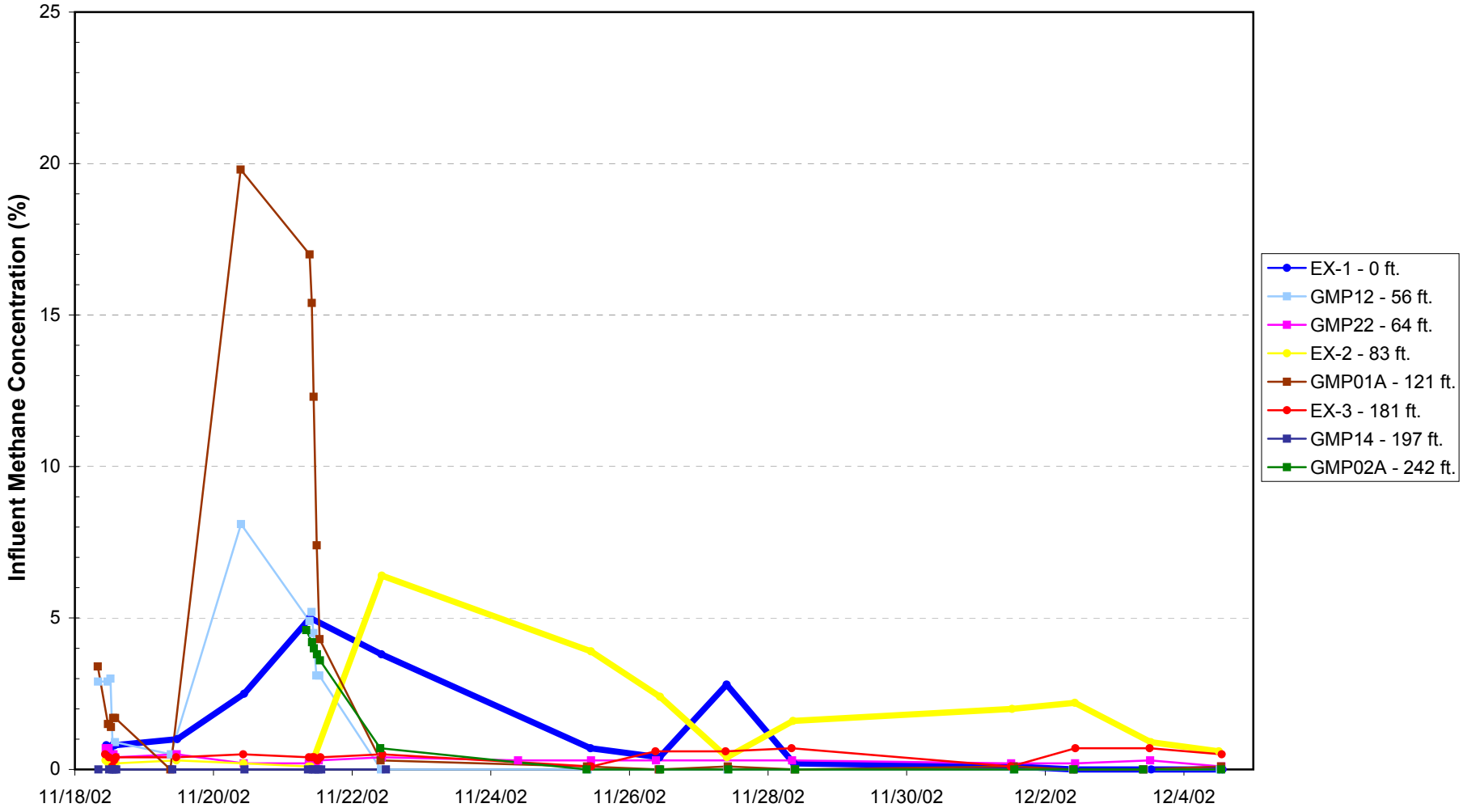
Notes: The legend shows distances from active extraction well in feet.
The first round of active extraction at EX-10 began on November 15, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 19
METHANE CONCENTRATIONS DURING FIRST CYCLE OF EXTRACTION AT EX-10

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

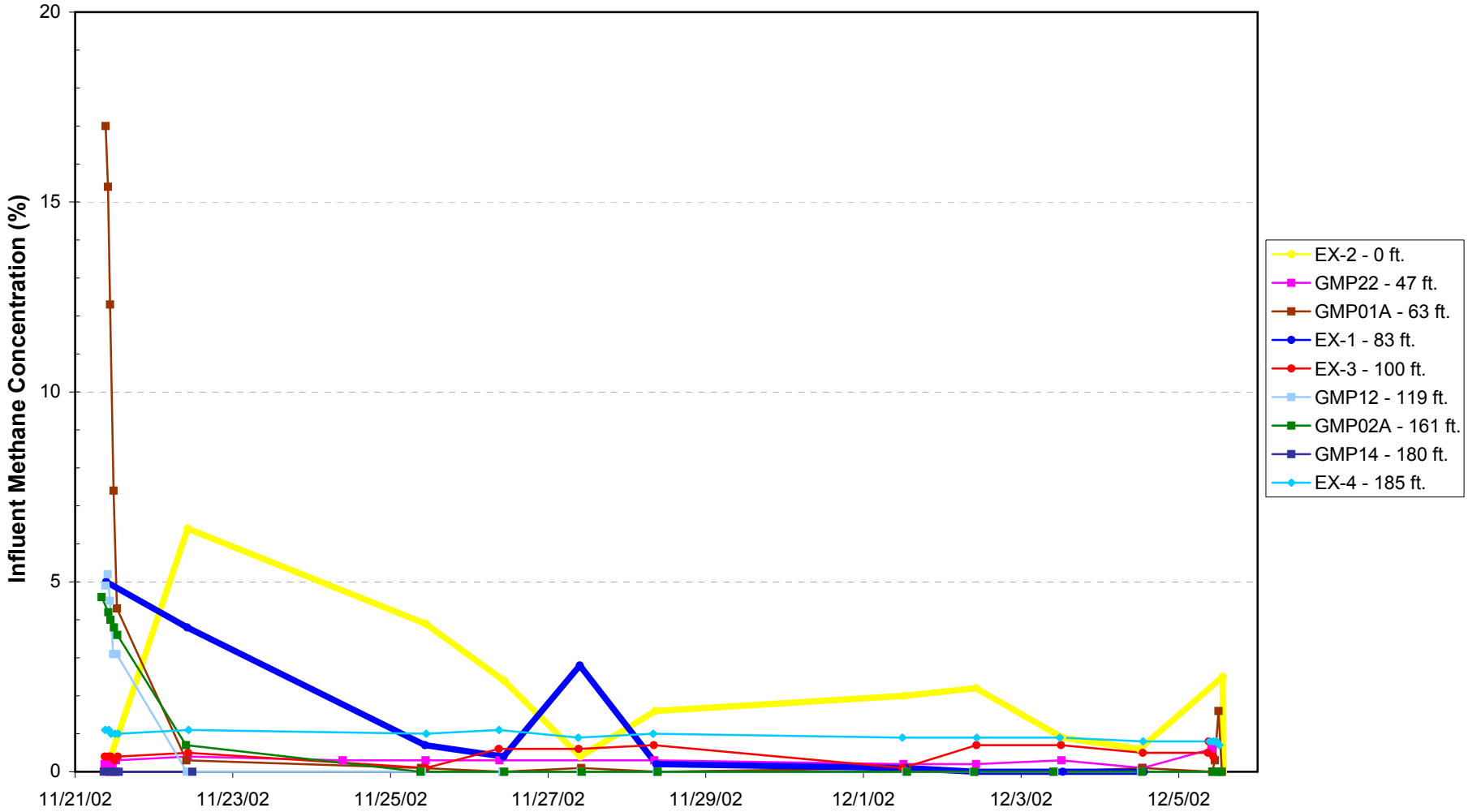
Notes: The legend shows distances from active extraction well in feet.
The second round of active extraction at EX-1 began on November 18, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 20
METHANE CONCENTRATIONS DURING SECOND CYCLE OF EXTRACTION AT EX-1

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

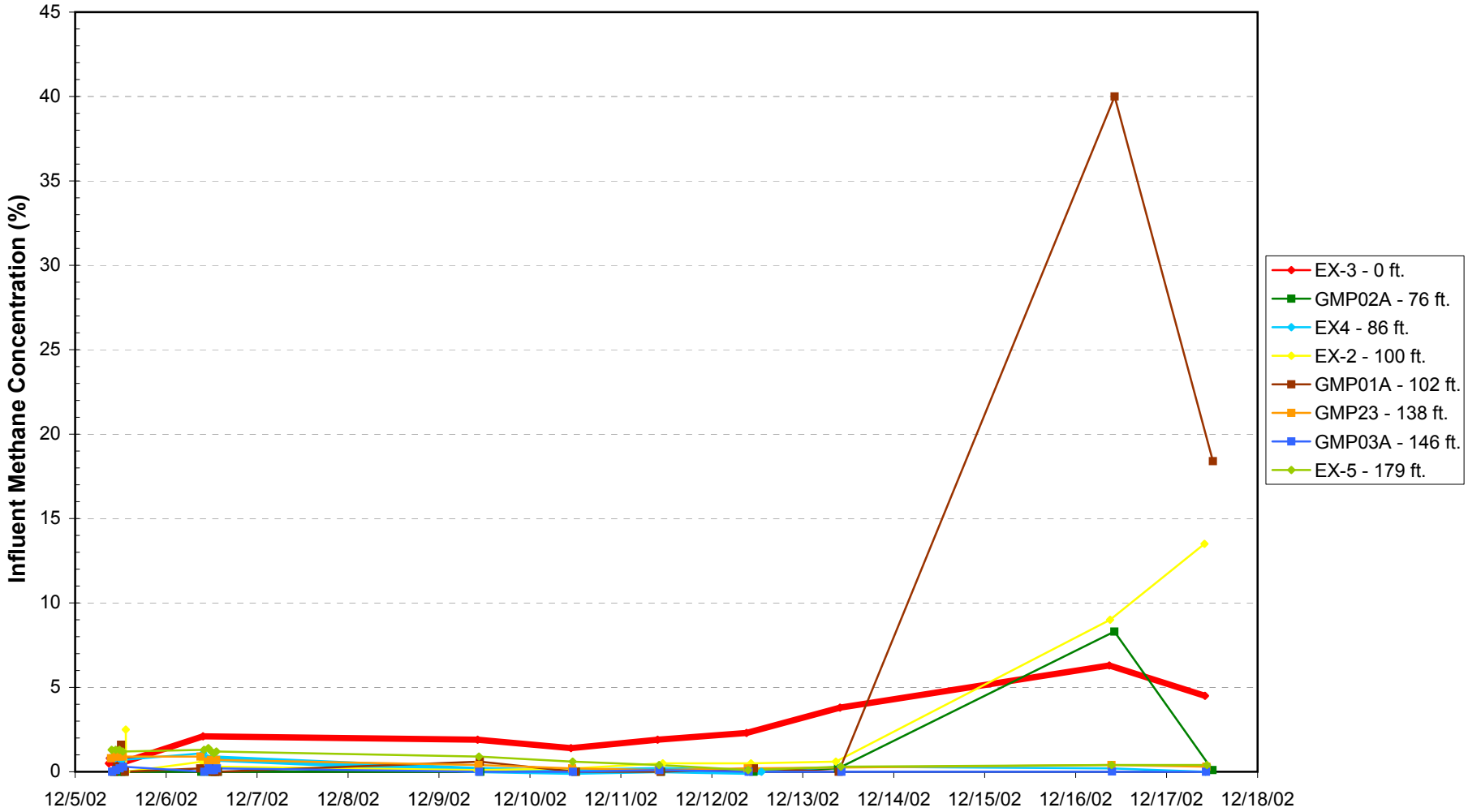
Notes: The legend shows distances from active extraction well in feet.
The second round of active extraction at EX-2 began on November 21, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 21
METHANE CONCENTRATIONS DURING SECOND CYCLE OF EXTRACTION AT EX-2

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

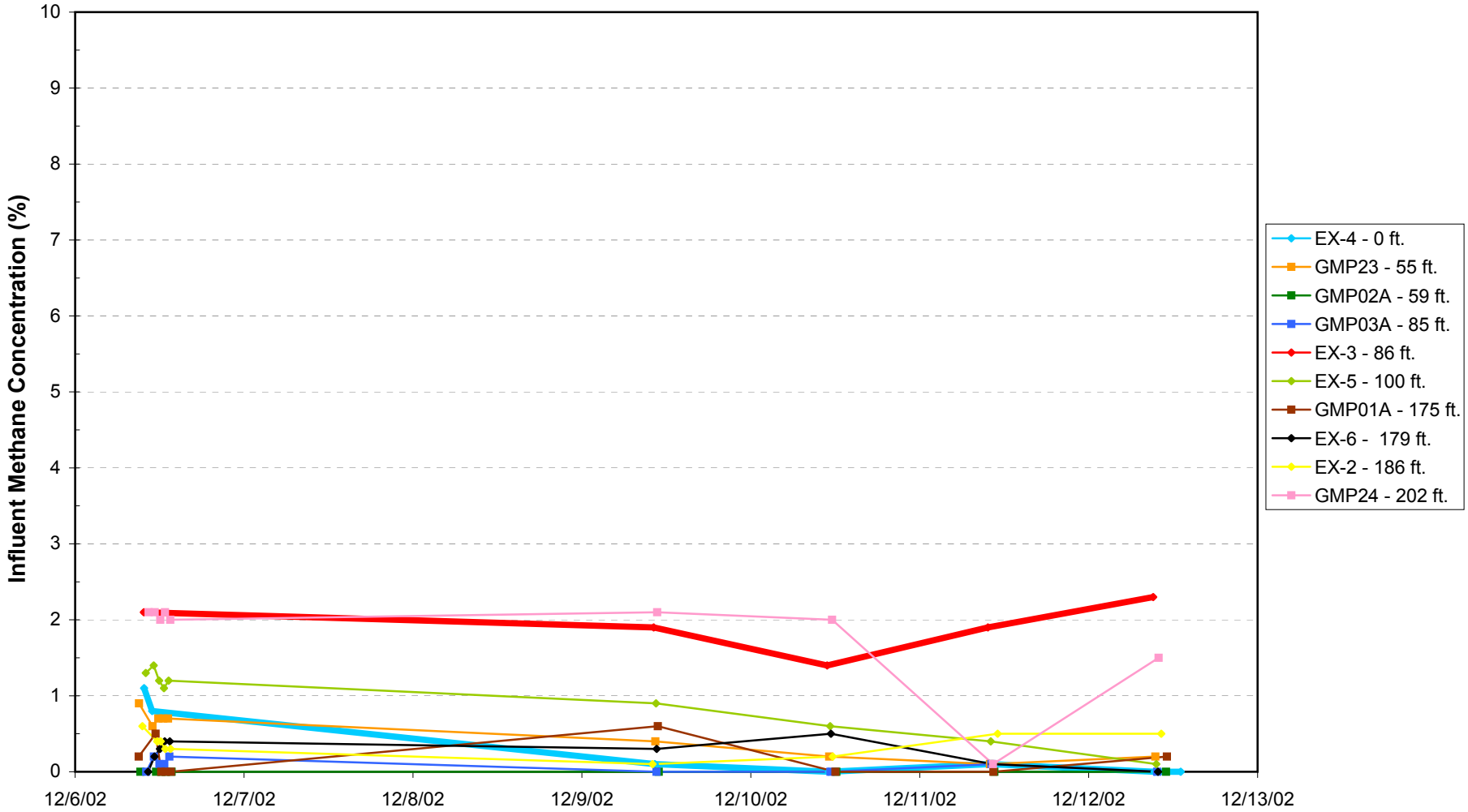
Notes: The legend shows distances from active extraction well in feet.
The second round of active extraction at EX-3 began on December 5, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 22
METHANE CONCENTRATIONS DURING SECOND CYCLE OF EXTRACTION AT EX-3

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

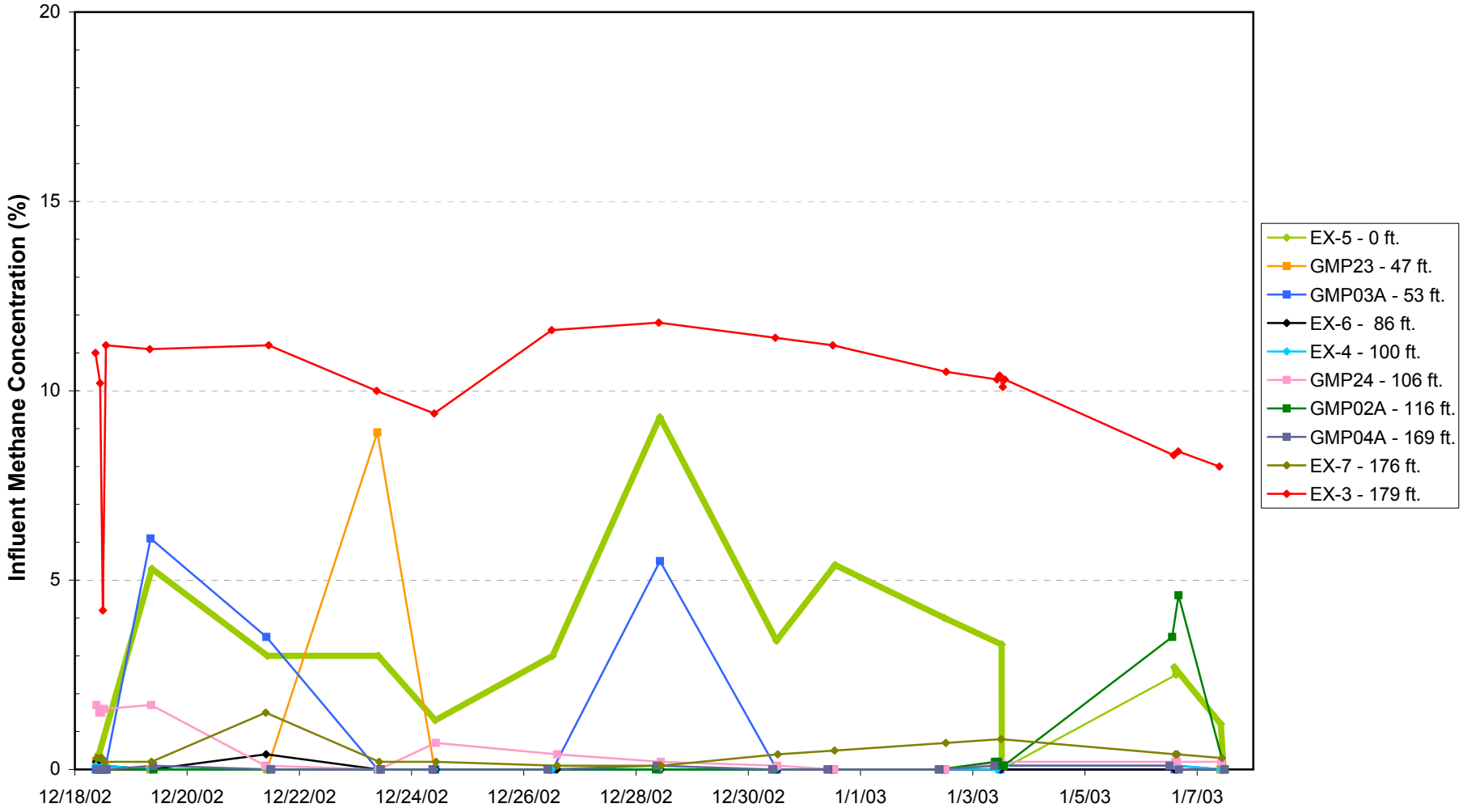
Notes: The legend shows distances from active extraction well in feet.
The second round of active extraction at EX-4 began on December 6, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 23
METHANE CONCENTRATIONS DURING SECOND CYCLE OF EXTRACTION AT EX-4

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

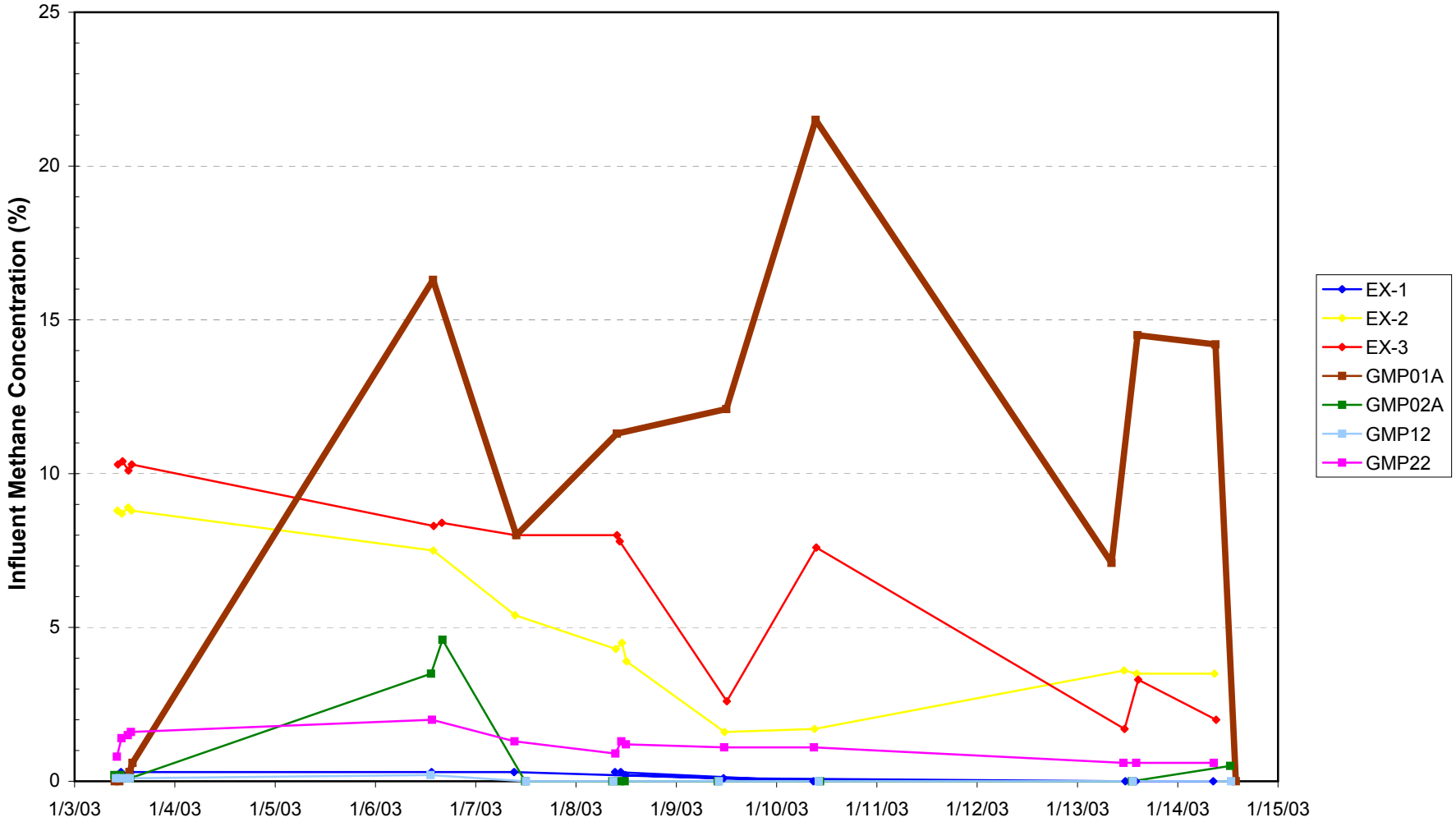
Notes: The legend shows distances from active extraction well in feet.
The second round of active extraction at EX-5 began on December 18, 2002.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 24
METHANE CONCENTRATIONS DURING SECOND CYCLE OF EXTRACTION AT EX-5

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

Notes: The first round of active extraction at GMP01A began on January 3, 2003.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

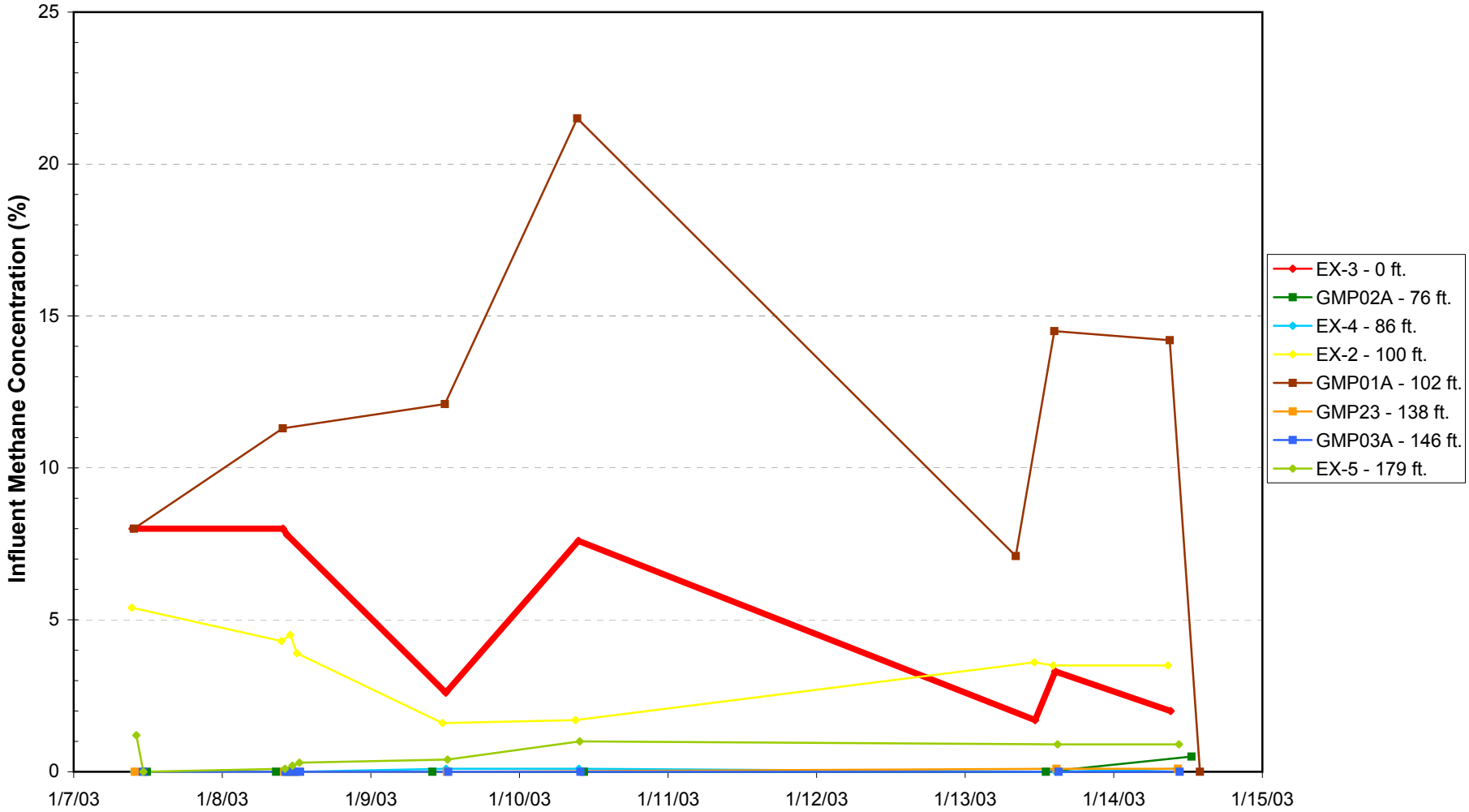
EX Extraction well

GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 25
METHANE CONCENTRATIONS DURING ACTIVE EXTRACTION AT GMP01A

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

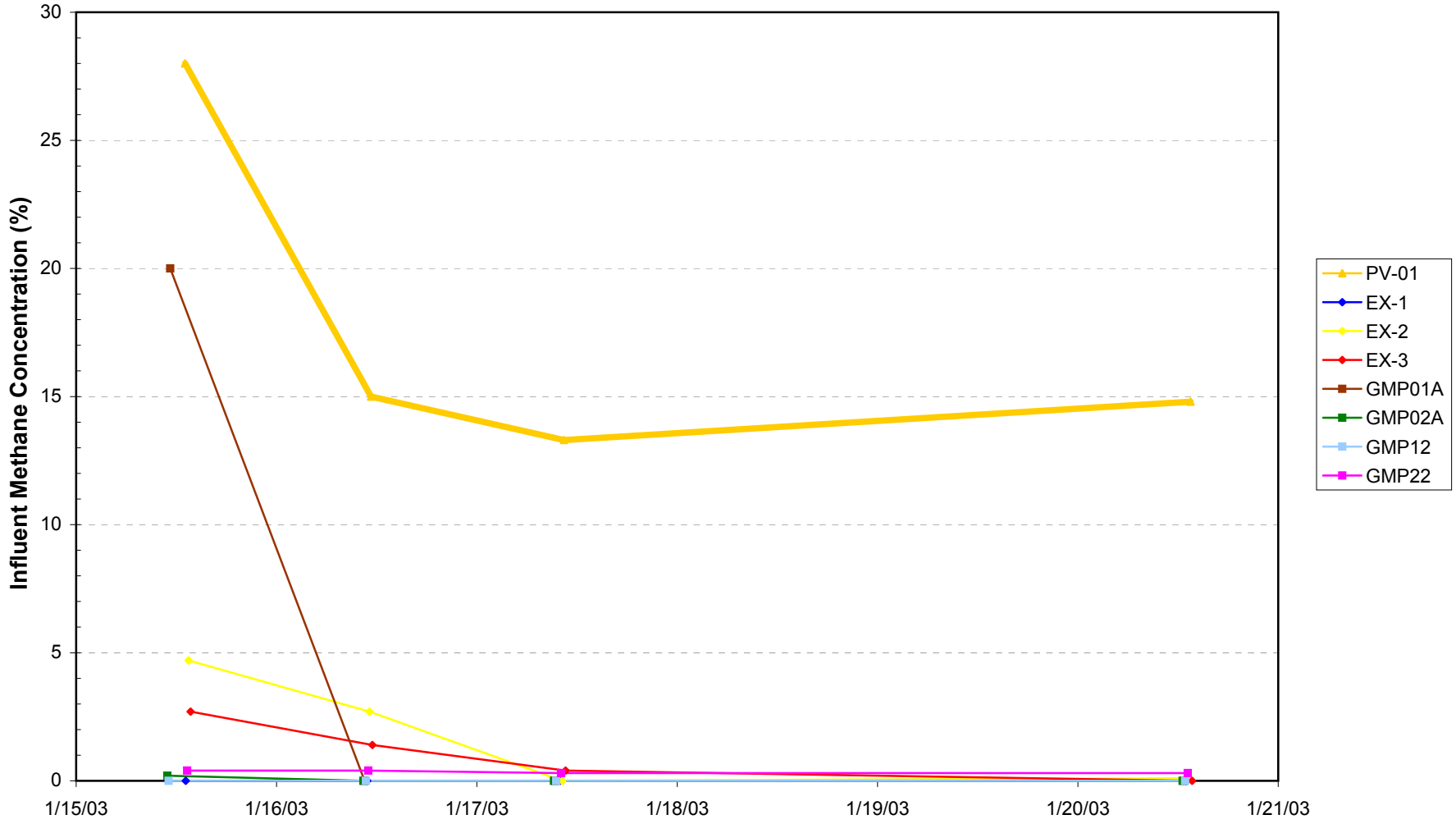
Notes: The legend shows distances from active extraction well in feet.
The third round of active extraction at EX-3 began on January 7, 2003.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
ft. Feet
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 26
METHANE CONCENTRATIONS DURING FINAL EXTRACTION AT EX-3

Draft Landfill Gas
Time-Critical Removal Action Closeout Report



Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE 27
METHANE CONCENTRATIONS DURING EXTRACTION AT PV-01

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

Notes: The first round of active extraction at PV-01 began on January 15, 2003.
Heavy line denotes period of active extraction.
Methane is measured in percent volume in air.

EX Extraction well
GMP Gas monitoring probe
PV Passive vent

TABLES

TABLE 1: CONSTRUCTION ACTIVITIES TIMELINE

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Date	Activity
7/8/2002	Mobilized and held site preparation meeting for extraction system and Gundwall construction
7/10/2002	Began (1) mobilization of site facilities and heavy construction equipment; (2) site security by posting guard at gate during working hours and night patrol during evenings; (3) removal of concrete, brush, and wood debris from area north of landfill cap; and (4) dust control with water truck
7/15/2002	Began grading of road
7/16/2002	Electricians arrived on site and prepared to set up electricity to run extraction system
7/19/2002	Installed electrical conduits along Building 810
7/23/2002	Began spreading large pile of surface concrete and wood debris for radiological screening
7/30/2002	Began radiological screening of concrete and wood debris before transporting debris to a Class II disposal facility
8/2/2002	Surveyor located extraction wells to be installed on UCSF and GGRR property
8/8/2002	Installed extraction wells EX-1, EX-2, EX-3, and EX-4 on the UCSF compound
8/9/2002	Installed extraction wells EX-5, EX-6, and EX-7 on the UCSF compound
8/12/2002	Held kick-off meeting for extraction system and Gundwall construction; installed extraction wells EX-8 and EX-9 on the UCSF compound and extraction well EX-10 on GGRR property; plugged and abandoned groundwater monitoring well IR01MW07A
8/19/2002	Received 16 drums (4 short-term, 12 long-term) of Rusmar® foam to be sprayed on open sections of the trench at the end of each work day to minimize landfill gas migration to the atmosphere; received 160 tons of river rock
8/22/2002	Began (1) excavating trench in northwest corner (station 13+30) to about 15 feet bgs with one excavator, then backfilled and fluffed with combination of excavated soil and BART soil; (2) applying foam in trench excavation and on soil stockpiles at end of each day; and (3) radiological screening of soil and debris removed during excavation
8/23/2002	Continued excavating beginning at station 13+76
8/26/2002	Continued excavating from west to east starting at station 13+30; groundwater located at about 16 feet bgs; began backfilling with gravel (river rock) from 7 feet bgs to 2 feet bgs
8/27/2002	Removed GMP02 from ground and part of the fence between landfill and the UCSF compound; continued excavation and backfill operation beginning at station 11+96
8/28/2002	Continued excavation and backfill operation beginning at station 10+86
8/29/2002	Removed unmarked groundwater piezometer within trench alignment; continued excavation and backfill operation beginning at station 9+88

TABLE 1: CONSTRUCTION ACTIVITIES TIMELINE (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Date	Activity
9/3/2002	Received gravel and carbon treatment units for extraction systems; removed GMP04; continued excavation and backfill operation beginning at station 9+00
9/4/2002	Received gravel and geotextile material; remove GMP05; continued excavation and backfill operation beginning at station 8+00
9/5/2002	Began installation of 4-inch PVC gas collection piping at 2 feet bgs; continued excavation and backfill operation beginning at station 6+85; began receipt of sand as substitute for gravel backfill material to realize cost savings
9/6/2002	Received gravel and removal of GMP06; continued excavation and backfill operation beginning at station 5+60; completed test section of trench (station 6+23) where sand was used as backfill material instead of gravel
9/9/2002	Began setting up to drive Gundwall panels into ground; install first Gundwall panel to 17 feet bgs in test section of trench; received gravel; continued excavation and backfill operation beginning at station 4+94
9/10/2002	Received final load of gravel and continue to receive sand; continued installation of Gundwall panels beginning at station 8+26; continued excavation and backfill operation beginning at station 4+50
9/11/2002	Continued installation of Gundwall panels beginning at station 11+92; continued excavation and backfill operation beginning at station 3+35; installed GMP22 through GMP26 within UCSF compound
9/12/2002	Continued installation of Gundwall panels beginning at station 10+67; continued excavation and backfill operation beginning at station 2+36; completed installation of replacement GMPs previously removed due to trench construction activities
9/13/2002	Continued installation of Gundwall panels beginning at station 10+15; continued excavation and backfill operation beginning at station 2+18
9/16/2002	Mobilized second crew and crane to install Gundwall panels; continued installation of Gundwall panels beginning at stations 8+87 and 2+79 (2nd crew); continued excavation and backfill operation beginning at station 1+40
9/17/2002	Continued installation of Gundwall panels beginning at stations 7+67 and 2+79 (2nd crew); continued excavation and backfill operation beginning at station 1+40; installed meteorological station at location N450820 E1458390
9/18/2002	Continued installation of Gundwall panels beginning at stations 6+59 and 2+19 (2nd crew); continued excavation and backfill operation beginning at station 1+00; tear (7 feet deep) in Gundwall panel at location 2+00 (panel must be removed, and new panel must be installed); two other tears (at locations 2+20 to a depth of 7 feet and at location 2+00 to a depth of 3 feet) will be repaired with a welder
9/19/2002	Continued installation of Gundwall panels beginning at stations 5+15 and 1+79 (2nd crew); completed excavation and backfill operation; began installation of electrical conduit along trench; collected samples of excavated soil for waste profiling; deep tear in Gundwall at location 1+50; removed and reinstalled two sections of the Gundwall.
9/20/2002	Continue installation of Gundwall panels beginning at STA 4+47 and STA 1+55 (2nd crew)
9/23/2002	Continued installation of Gundwall panels beginning at station 2+95 and ended at station 2+79 (to join panels where 2nd crew started); the 2nd crew began at station 0+75 and ended at station 0+00; began receiving super sacks of bentonite chips

TABLE 1: CONSTRUCTION ACTIVITIES TIMELINE (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Date	Activity
9/24/2002	Continued installation of Gundwall panels beginning at STA 14+40; the 2nd crew began demobilizing from the site; received bentonite super sacks.
9/25/2002	Continued installation of Gundwall panels beginning at STA 13+54; received bentonite super sacks; began cutting and trimming Gundwall panels to design elevation; received analytical results on the soil stockpile
9/26/2002	Continued installation of Gundwall panels beginning at station 12+26 and ended at station 11+92; began pouring bentonite at eastern end of excavation (STA 0+00); received bentonite super sacks
9/27/2002	Installed replacement Gundwall panels at STA 1+86 to 2+02; continued pouring bentonite at STA 4+00; received bentonite super sacks; conduct successful test run of extraction systems
9/30/2002	Continued pouring bentonite at station 8+00; received bentonite super sacks; began installation of UCSF replacement fencing
10/1/2002	Completed driving Gundwall panels; extrusion welder repaired Gundwall tears that occurred during construction activities
10/3/2003	Completed pouring bentonite, completed laying PVC piping, hydrate bentonite chip with water truck; surveyed corners of Gundwall panels for as-built drawings

Notes:

BART	Bay Area Rapid Transit
bgs	Below ground surface
EX	Extraction well
GMP	Gas monitoring probe
GGRR	Golden Gate Railroad
PVC	Polyvinyl chloride
UCSF	University of California, San Francisco

TABLE 2: GAS MONITORING PROBE CONSTRUCTION SPECIFICATIONS

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

GMP Location Number	Temporary Soil-Gas Location	Date Installed	Total Drilled Depth (feet bgs)	Screen Interval (feet bgs)	Filter Pack (feet bgs)	Bentonite Seal (feet bgs)	Concrete Seal (feet bgs)
GMP01	SG01	04/15/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP01A	---	09/12/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP02	SG02	04/15/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP02A	---	09/12/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP03	SG03	04/15/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP03A	---	09/12/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP04	SG04	04/15/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP04A	---	09/12/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP05	SG05	04/15/02	14	6.0 to 12.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP05A	---	09/12/02	12.5	6.0 to 12.5	5.0 to 13.0	2.0 to 5.0	0 to 2.0
GMP05B	---	11/25/02	14	6.0 to 12.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP06	SG06	04/15/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP06A	---	09/12/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP06B	---	11/25/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP07	SG07	04/15/02	14	6.0 to 13.5	5.0 to 14.0	3.0 to 5.0	0 to 3.0
GMP07A	---	09/12/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP08	SG08	04/16/02	13	6.0 to 12.5	5.0 to 13.0	3.0 to 5.0	0 to 3.0
GMP08A	---	09/12/02	12.5	6.0 to 12.5	5.0 to 13.0	3.0 to 5.0	0 to 3.0
GMP09	SG09	04/16/02	10	6.0 to 9.5	5.0 to 10.0	3.0 to 5.0	0 to 3.0
GMP10	SG23	04/15/02	7	4.0 to 6.5	3.0 to 7.0	2.0 to 3.0	0 to 2.0
GMP11	SG24	04/15/02	6	4.0 to 5.5	3.0 to 6.0	2.0 to 3.0	0 to 2.0
GMP11A	---	11/25/03	6	4.0 to 5.5	3.0 to 6.0	2.0 to 3.0	0 to 2.0
GMP12	SG25	04/15/02	13.5	5.0 to 13.0	4.0 to 13.5	2.0 to 4.0	0 to 2.0
GMP13	---	05/31/02	19.5	6.0 to 12.0	5.0 to 13.0	2.0 to 5.0	0 to 2.0
GMP14	---	05/31/02	10.5	6.0 to 10.0	5.0 to 10.5	2.0 to 5.0	0 to 2.0
GMP15	---	05/31/02	12.5	6.0 to 12.0	5.0 to 12.5	2.0 to 5.0	0 to 2.0
GMP16	---	05/31/02	10.5	5.0 to 10.0	4.0 to 10.5	2.0 to 4.0	0 to 2.0
GMP17	---	05/31/02	10.5	6.0 to 10.0	5.0 to 10.5	2.0 to 5.0	0 to 2.0
GMP18	---	05/31/02	13.5	6.0 to 12.0	5.0 to 13.0	2.0 to 5.0	0 to 2.0
GMP19	---	05/31/02	5.5	4.5 to 5.5	4.0 to 5.5	2.0 to 4.0	0 to 2.0
GMP20	SG20	06/07/02	7	3.5 to 4.5	3.0 to 5.0	1.5 to 3.0	0 to 1.5

TABLE 2: GAS MONITORING PROBE CONSTRUCTION SPECIFICATIONS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

GMP Location Number	Temporary Soil-Gas Location	Date Installed	Total Drilled Depth (feet bgs)	Screen Interval (feet bgs)	Filter Pack (feet bgs)	Bentonite Seal (feet bgs)	Concrete Seal (feet bgs)
GMP21	SG21-SG22	06/07/02	7	3.5 to 4.0	3.0 to 4.5	1.0 to 3.0	0 to 1.0
GMP22	---	09/11/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP23	---	09/11/02	13.5	6.0 to 13.5	5.0 to 14.0	2.0 to 5.0	0 to 2.0
GMP24	---	09/11/02	13.5	6.0 to 13.0	5.0 to 13.5	2.0 to 5.0	0 to 2.0
GMP25	---	09/11/02	12.0	6.5 to 11.5	5.0 to 12.0	2.0 to 5.0	0 to 2.0
GMP26	---	09/11/02	12.0	6.5 to 11.5	5.0 to 12.0	2.0 to 5.0	0 to 2.0

Notes: All GMPs were installed using hollow-stem auger drilling methods and 5.5-inch-diameter augers. Each probe was completed using 0.75-inch-diameter 0.010-slot schedule 40 polyvinyl chloride screen and blank casing. Filter packs consisted of No. 2/16 Monterey sand.

--- Not applicable
bgs Below ground surface
GMP Gas monitoring probe

TABLE 3: EXTRACTION SYSTEM MONITORING LOCATIONS AND FREQUENCIES

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Extraction System Component Monitored	Parameter Recorded	Instrument Used	Monitoring Frequency	Data Use
Carbon Vessel Life Hydrosil Vessel Life	• Start date • End date	• PID • GEM 2000[a]	Daily	Document days of exposure before breakthrough occurs
Carbon Bed	Pressure drop across adsorption bed	• Magnahelic gauge	Daily	Ensure that carbon bed is not clogged or channeled
Area Surrounding the Passive and Gas Extraction Wells	• Methane • VOCs	• PID • GEM 2000	Daily	Ensure that unacceptable concentrations of methane or hydrocarbons are not present
Active Extraction System • At the influent sample port (wellhead) • Between the carbon vessels • Between the second carbon vessel and the Hydrosil vessel • At the system effluent (after the Hydrosil vessel) See Figure 5 for extraction system monitoring locations	NMOCs	• PID • GEM 2000 • Summa™ Canister Sample	Daily	Ensure that capture efficiencies are maintained
Gas Monitoring Probes and Extraction Wells	• Vapor pressure • Vapor temperature • Barometric pressure	• Magnahelic pressure gauge reads vacuum pressure in inches of water • Thermometer • GEM 2000	Daily	Document the effect of extraction system on surrounding wells to determine ROI for extraction unit
Extraction Unit	Flow rate	• Flowmeter on extraction unit reads flow in cubic feet per minute	Daily	Ensure that gas extraction of soil-gas is occurring at an acceptable rate and that increasing gas flow at the extraction unit coincides with increase in vacuum pressure at ROI probes and wells

TABLE 3: EXTRACTION SYSTEM MONITORING LOCATIONS AND FREQUENCIES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Extraction System Component Monitored	Parameter Recorded	Instrument Used	Monitoring Frequency	Data Use
Meteorological Station	• Wind speed • Wind direction • Temperature • Relative humidity • Precipitation	• Meteorological Tower Sensors	Daily	To investigate observations of odors and dispersion of vented gases

Notes: The landfill gas extraction system monitoring data are recorded on monitoring logs in Appendix C.

a GEM 2000 is a field instrument used to measure methane, carbon dioxide, oxygen, and the percent lower explosive limit

NMOC Nonmethane organic compound
PID Photoionization detector
ROI Radius of influence
VOC Volatile organic compound

TABLE 4: LANDFILL GAS EXTRACTION TIMELINE

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Date	Activity
10/4/2002	Began active extraction at EX-1; collected Summa™ samples at influent and effluent sample ports
10/9/2002	Began active extraction at EX-2; collected Summa™ samples from influent and effluent sample ports
10/10/2002	Stopped extraction at EX-1; moved extraction system to EX-3 to begin extraction on 10/11/2002
10/11/2002	Began extraction at EX-3; collected Summa™ samples from influent and effluent sample ports
10/14/2002	Stopped extraction at EX-2; moved system to EX-4 to begin extraction on 10/15/2002
10/15/2002	Began extraction at EX-4; collected Summa™ samples from influent and effluent sample ports
10/16/2002	Stopped active extraction at EX-3; moved system to EX-5 to begin active extraction on 10/17/2002
10/17/2002	Began active extraction at EX-5; collected Summa™ samples from influent and effluent sample ports
10/19/2002	Restoration Advisory Board toured landfill and extraction system
10/21/2002	Stopped extraction at EX-4; moved system to EX-6
10/23/2002	Began active extraction at EX-6; collected Summa™ samples from influent and effluent sample ports
10/24/2002	Stopped active extraction at EX-5; moved system to EX-7 to begin extraction on 10/25/2002
10/25/2002	Began active extraction at EX-7; collected Summa™ samples from influent and effluent sample ports
10/28/2002	Stopped active extraction at EX-6; moved system to EX-8
10/30/2002	Began active extraction at EX-8; collected Summa™ samples from influent and effluent sample ports
10/31/2002	Stopped active extraction at EX-7; moved system to EX-9 to begin extraction on 11/1/2002
11/1/2002	Began active extraction at EX-9; collected Summa™ samples from influent and effluent sample ports
11/14/2002	Stopped active extraction at EX-8; moved system to EX-10 to begin extraction on 11/15/2002
11/15/2002	Began active extraction at EX-10; collected Summa™ samples from influent and effluent sample ports; stop extraction at EX-9
11/18/2002	Began second round of extraction; moved system from EX-9 to EX-1 and began extraction at EX-1
11/21/2002	Began active extraction at EX-2
12/4/2002	Stopped extraction at EX-1; moved system to EX-3 to begin extraction on 12/5/2002
12/5/2002	Stopped extraction at EX-2; moved system to EX-4 to begin extraction on 12/6/2002; began extraction at EX-3
12/6/2002	Began active extraction at EX-4
12/12/2002	Stopped extraction at EX-4; moved system to EX-5

TABLE 4: LANDFILL GAS EXTRACTION TIMELINE (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report
Parcel E, Hunters Point Shipyard, San Francisco, California

Date	Activity
12/17/2002	Stopped extraction at EX-3
12/18/2002	Began active extraction at EX-5
1/3/2003	Began active extraction at GMP01A because methane concentration at EX-3 (10.4 percent) is high and not decreasing; stopped active extraction at EX-5 due to elevated VOC readings at sample ports on the carbon and Hydrosil® drums
1/6/2003	Switched carbon 1 drum from active extraction unit 2 with carbon 1 drum at PV-01; restarted active extraction at EX-5
1/7/2003	Stopped extraction at EX-5; moved system to EX-3
1/8/2003	Began active extraction at EX-3; methane concentration at EX-3 before extraction was 8.0 percent
1/14/2003	Stopped extraction at GMP01A
1/15/2003	Started active extraction at PV-01
1/20/2003	Methane concentrations in all wells and GMPs on the UCSF compound were below 0.5 percent; active extraction systems at PV-01 and EX-3 were shutdown; began weekly monitoring
1/29/2003	1st round of weekly monitoring
2/5/2003	2nd round of weekly monitoring; active extraction system started at PV-01
2/12/2003	3rd round of weekly monitoring
2/19/2003	4th round of weekly monitoring; methane was less than 2 percent in all GMPs, and less than 1 percent in all extraction wells
2/25/2003	Summa™ canister samples collected after 4th round of weekly monitoring
2/26/2003	1st round of monthly monitoring conducted after extraction on the UCSF compound is stopped
3/26/2003	2nd round of monthly monitoring conducted after extraction on the UCSF compound is stopped
4/21/2003	3rd round of monthly monitoring conducted after extraction on the UCSF compound is stopped
5/23/2003	4th round of monthly monitoring conducted after extraction on the UCSF compound is stopped
5/27/2003	Summa™ canister samples collected from GMPs on the UCSF compound; end time-critical removal action

Notes:

EX	Extraction well
GMP	Gas monitoring probe
PV	Passive vent
UCSF	University of California, San Francisco
VOC	Volatile organic compound

TABLE 5: MAINTENANCE INSPECTION SCHEDULE

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Task	Type of Inspection[a]	Frequency
Gas Extraction System		
Inspect gas extraction wells (EX-1 through EX-10) for fugitive emissions	Visual; GEM 2000; PID	Weekly
Inspect GMPs (GMP22 through GMP26) for fugitive emissions	Visual; GEM 2000; PID	Weekly
Inspect soil vapor extraction unit (units 1 and 2) for fugitive emissions	Visual; GEM 2000; PID	Daily
Inspect fittings, valves, and seals of blower and treatment unit (units 1 and 2) for fugitive emissions	Visual; GEM 2000; PID	Weekly
Passive Venting System		
Inspect passive vents for fugitive emissions	Visual; GEM 2000; PID	Weekly
Inspect GMPs (GMP01 through GMP12) for fugitive emissions	Visual; GEM 2000; PID	Weekly
Inspect fittings, valves, and seals of treatment units for fugitive emissions	Visual; GEM 2000; PID	Weekly
Inspect ground cover along collection trench for breaches in surface seal	Visual; GEM 2000; PID	Monthly

Notes:

a GEM 2000 is a field instrument used to measure, methane, carbon dioxide, oxygen, and percent lower explosive limit

EX Extraction well
GMP Gas monitoring probe
PID Photoionization detector

TABLE 6: METHANE CONCENTRATIONS DURING FIRST CYCLE OF ACTIVE GAS EXTRACTION

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

1st Round of Active Gas Extraction						Methane Concentration After Terminating First Round of Gas Extraction on 1/20/2003 (%)
Well Identification No.	Extraction Start Date	Methane Concentration Prior to Beginning Gas Extraction on 10/4/2002 (%)	Preextraction Methane Concentration[a] (%)	First Round of Extraction End Date	Postextraction Methane Concentration (%)	
EX-1	10/4/2002	17.1	17.1	10/10/2002	0.4	0.0
EX-2	10/9/2002	9.7	6.1	10/14/2002	0.8	0.1
EX-3	10/11/2002	15.4	1.4	10/16/2002	0.1	0.0
EX-4	10/15/2002	35.8	21.2	10/21/2002	0.0	0.0
EX-5	10/17/2002	38.9	17.8	10/24/2002	0.2	0.2
EX-6	10/23/2002	47.2	0.0	10/28/2002	0.2	0.0
EX-7	10/25/2002	27.9	15.2	10/31/2002	0.0	0.4
EX-8	10/30/2002	36.5	8.8	11/14/2002	0.0	0.0
EX-9	11/1/2002	36.2	12.0	11/14/2002	0.3	0.4
EX-10	11/15/2002	0.1	0.0	11/20/2002	0.0	0.0
GMP01A	10/4/2002[b]	1.0	--	11/20/2002[b]	--	0.0
GMP02A	10/4/2002[b]	4.9	--	11/20/2002[b]	--	0.0
GMP03A	10/4/2002[b]	7.7	--	11/20/2002[b]	--	0.0
GMP04A	10/4/2002[b]	0.0	--	11/20/2002[b]	--	0.0[c]
GMP05B	10/4/2002[b]	NA	--	11/20/2002[b]	--	0.0[c]
GMP06B	10/4/2002[b]	0.0	--	11/20/2002[b]	--	0.0[c]
GMP12	10/4/2002[b]	8.8	--	11/20/2002[b]	--	0.0
GMP13	10/4/2002[b]	0.0	--	11/20/2002[b]	--	0.0
GMP14	10/4/2002[b]	0.0	--	11/20/2002[b]	--	0.0
GMP15	10/4/2002[b]	0.0	--	11/20/2002[b]	--	0.0
GMP22	10/4/2002[b]	22.2	--	11/20/2002[b]	--	0.2
GMP23	10/4/2002[b]	48.5	--	11/20/2002[b]	--	0.0
GMP24	10/4/2002[b]	43.6	--	11/20/2002[b]	--	0.3[c]
GMP25	10/4/2002[b]	28.2	--	11/20/2002[b]	--	0.8[c]
GMP26	10/4/2002[b]	8.9	--	11/20/2002[b]	--	0.4[c]

Notes:

a	Methane concentrations on the day active extraction began from that location
b	Active extraction did not occur at the GMPs, so the beginning of the first round and the end of the first round are the dates provided.
c	Data collected on January 22, 2003; 2 days after ending active extraction.
EX	Extraction well
GMP	Gas monitoring probe
NA	Data not collected immediately before or beginning extraction due to damaged well.
--	Active extraction did not occur at the GMPs; therefore, data are not provided.

TABLE 7: METHANE CONCENTRATIONS DURING SECOND CYCLE OF ACTIVE GAS EXTRACTION

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Second Cycle of Active Gas Extraction					Methane Concentration After Terminating Gas Extraction on 1/20/2003 (%)
Well Identification No.	Extraction Start Date	Preextraction Methane Concentration (%)	Extraction End Date	Postextraction Methane Concentration (%)	
EX-1	11/18/2002	0.8	12/4/2002	0.1	0.0
EX-2	11/21/2002	0.1	12/5/2002	0.0	0.1
EX-3a	12/5/2002	0.5	12/17/2002	4.5	0.0
EX-4	12/6/2002	1.1	12/12/2002	0.0	0.0
EX-5	12/18/2002	0.4	1/7/2003	0.0	0.2
GMP01A	1/3/2003	0.3	1/14/2003	17.3	0.0
EX-3[a]	1/7/2003	8.0	1/20/2003	0.0	0.0
PV-01	1/15/2003	28	1/20/2003	14.8	14.8
EX-6	11/20/2002[b]	--	1/20/2003	--	0.0[c]
EX-7	11/20/2002[b]	--	1/20/2003	--	0.4[c]
GMP02A	11/20/2002[b]	--	1/20/2003	--	0.0
GMP03A	11/20/2002[b]	--	1/20/2003	--	0.0
GMP04A	11/20/2002[b]	--	1/20/2003	--	0.1[c]
GMP12	11/20/2002[b]	--	1/20/2003	--	0.0
GMP14	11/20/2002[b]	--	1/20/2003	--	0.0
GMP22	11/20/2002[b]	--	1/20/2003	--	0.3
GMP23	11/20/2002[b]	--	1/20/2003	--	0.1
GMP24	11/20/2002[b]	--	1/20/2003	--	0.0[c]

Notes:

a Extraction occurred at EX-3 twice during the second round of extraction, and is therefore presented twice.

b Active extraction did not occur at these locations, so the beginning and the end of the second round are the dates provided.

c Data collected on January 22, 2003, two days after ending active extraction.

EX Extraction well

GMP Gas monitoring probe

PV Passive vent

-- Extraction did not occur at these locations; therefore, data are not provided.

TABLE 8: WEEKLY AND MONTHLY METHANE CONCENTRATIONS

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunter's Point Shipyard, San Francisco, California

Well Identification No.	Weekly Methane Monitoring Concentration (% Volume in Air)					Monthly Methane Monitoring Concentration (% Volume in Air)				
	Week 1 (1/29/2003)	Week 2 (2/5/2003)	Week 3 (2/12/2003)	Week 4 (2/19/2003)	Laboratory Analysis (2/25/2003)	Month 1 (2/25/2003)	Month 2 (3/26/2003)	Month 3 (4/21/2003)	Month 4 (5/23/2003)	Laboratory Analysis (5/27/2003)
EX-1	0.0	0.0	0.1	0.0	NA	0.0	0.0	0.0	0.0	NA
EX-2	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	NA
EX-3	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	NA
EX-4	0.0	0.0	0.2	0.1	NA	0.3	0.4	0.2	0.1	NA
EX-5	0.1	0.0	0.1	0.2	NA	0.3	0.4	0.6	0.6	NA
EX-6	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	NA
EX-7	0.4	0.3	0.5	0.4	NA	0.4	0.3	0.2	0.1	NA
EX-8	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	NA
EX-9	0.3	0.3	0.3	0.2	NA	0.3	0.0	0.1	0.1	NA
EX-10	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	NA
GMP22	0.1	0.0	0.1	0.0	ND	0.1	0.0	0.0	0.1	ND
GMP23	0.0	0.0	0.1	0.1	ND	0.2	0.3	0.3	0.4	0.8
GMP24	0.4	0.5	0.8	0.7	0.8	0.9	1.2	1.3	0.0	0.9
GMP25	0.8	0.9	0.3	0.7	0.8	0.8	0.5	0.2	0.1	ND
GMP26	0.0	0.3	0.0	0.0	ND	0.0	0.0	0.0	0.0	ND

Notes:

EX	Extraction well
GMP	Gas monitoring probe
NA	Not applicable
ND	Nondetected

APPENDIX A
PHOTOGRAPHIC LOG

Photograph A-1. Cleared treatment area and soil compaction.
Parcel E, Hunters Point Shipyard, July 11, 2002.

Photograph A-2. Condensed wood debris pile.
Parcel E, Hunters Point Shipyard, July 11, 2002.
(Note: clearing and grubbing activities have exposed and condensed.)

Photograph A-3. Grading along fence line.
Parcel E, Hunters Point Shipyard, July 12, 2002.

Photograph A-4. Off-loading geomembrane liner.
Parcel E, Hunters Point Shipyard, July 12, 2002.

Photograph A-5. Excavated and compacted 9-foot by 30-foot area for concrete containment pad.
Parcel E, Hunters Point Shipyard, July 12, 2002.

Photograph A-6. Cleared area near extraction well EX-1 looking toward fence line. Originally planned beginning point for placement of geomembrane liner. Portions of this area are within University of California, San Francisco (UCSF) compound in Parcel E, Hunters Point Shipyard, July 12, 2002.

Photograph A-7. Black sand within exclusion zone.
Parcel E, Hunters Point Shipyard, July 15, 2002.

Photograph A-8. Bay Area Rapid Transit (BART) soil being spread over cut areas to provide smooth surface for linear low-density polyethylene (LLDPE) liner placement; Parcel E, Hunters Point Shipyard, July 15, 2002.

Photograph A-9. Exclusion zone field screening and sampling.
Parcel E, Hunters Point Shipyard, July 16, 2002.

Photograph A-10. Concrete form construction.
Parcel E, Hunters Point Shipyard, July 16, 2002.

Photograph A-11. Slope construction on ramp.
Parcel E, Hunters Point Shipyard, July 16, 2002.

Photograph A-12. Completed Navy portion of area ready for LLDPE placement. Parcel E, Hunters Point Shipyard, July 16, 2002.

Photograph A-13. Methane gas monitoring after dry ice was placed in borehole, during extraction well installation on UCSF compound. Parcel E, Hunters Point Shipyard, August 8, 2002.

Photograph A-14. IR01MW07A before plugging and abandoning activities; Parcel E, Hunters Point Shipyard, August 12, 2002.

Photograph A-15. RAD screening of dump trucks with rock backfill in foreground. Parcel E, Hunters Point Shipyard, August 22, 2002.

Photograph A-16. Trench alignment from station 13+30 to station 13+76. Parcel E, Hunters Point Shipyard, August 22, 2002.

Photograph A-17. Rusmar foam application at the end of the day;
Parcel E, Hunters Point Shipyard, August 22, 2002.

Photograph A-18. Concrete obstruction removed.
Parcel E, Hunters Point Shipyard, August 23, 2002.

Photograph A-19. Excavation after obstruction removal. Parcel E, Hunters Point Shipyard, August 23, 2002. (Note: additional concrete remains within the trench alignment.)

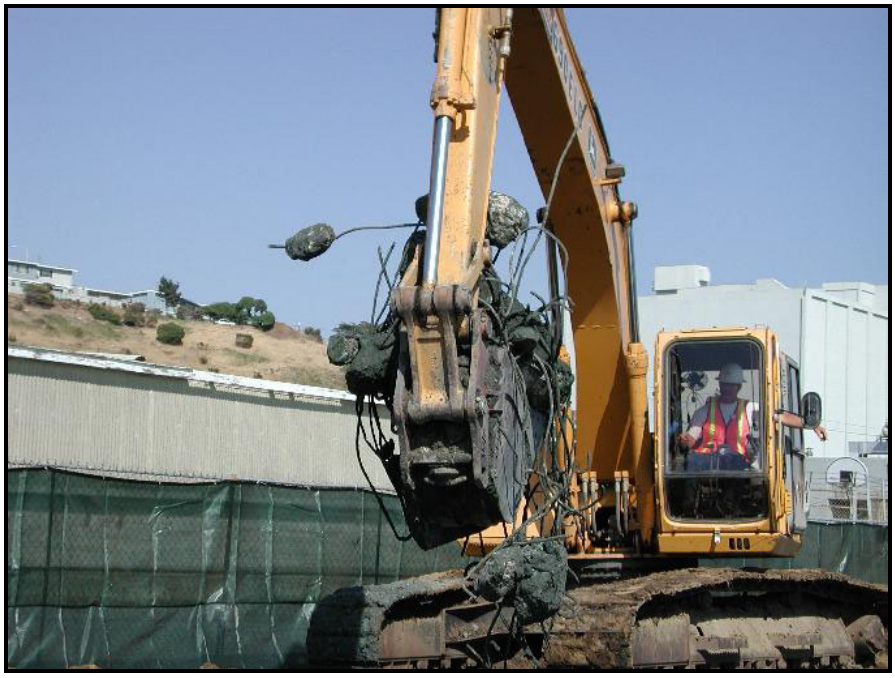
Photograph A-20. Concurrent trenching and backfilling. Notice reduced size of concrete obstructions, although large enough to widen trench from 2- to about 4-foot average along 80-foot section. Parcel E, Hunters Point Shipyard, August 26, 2002.

Photograph A-21. Looking at STA 13+00 after concrete removal. Notice backfill material on both sides of trench is excavated trench soils with pea gravel located along Gundwall® centerline. Parcel E, Hunters Point Shipyard, August 26, 2002.

Photograph A-22. Concurrent trenching and backfilling. Parcel E, Hunters Point Shipyard, August 27, 2002.

Photograph A-23. Typical type of debris removed, consisting of paper, wood, tape, pipes, cloth, and rubber; Parcel E, Hunters Point Shipyard, August 27, 2002. (Note that state of decomposition is not advanced.)

Photograph A-24. "Completed" trench alignment looking from station 13+77. Parcel E, Hunters Point Shipyard, August 28, 2002. (Note: the trench section has temporarily been backfilled with gravel during backfill activities to provide stabile sides for the backfill excavator to advance. Pipe installation will require removal of some gravel to place pipe at design depth.)



Photograph A-25. Reinforced concrete obstruction removed;
Parcel E, Hunters Point Shipyard, August 28, 2002.

Photograph A-26. Backfilled trench section.
Parcel E, Hunters Point Shipyard, August 28, 2002.

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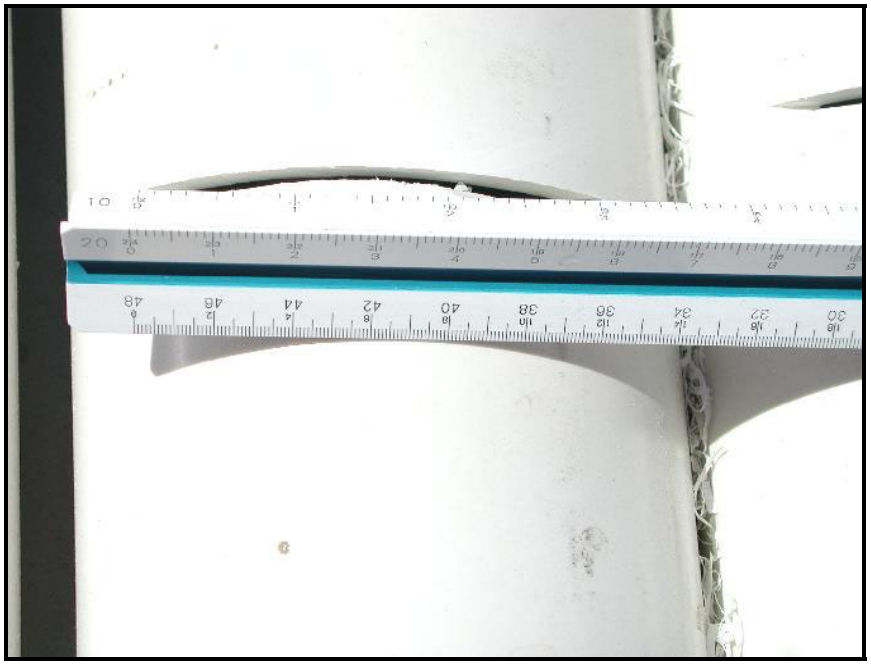
Photograph A-37. Field-slotted PVC pipe, slots spaced every 5 inches. Parcel E, Hunters Point Shipyard, September 4, 2002.



Photograph A-38. Field-slotted PVC pipe, slot length about 3 inches and 0.1-inch wide. Parcel E, Hunters Point Shipyard, September 4, 2002.

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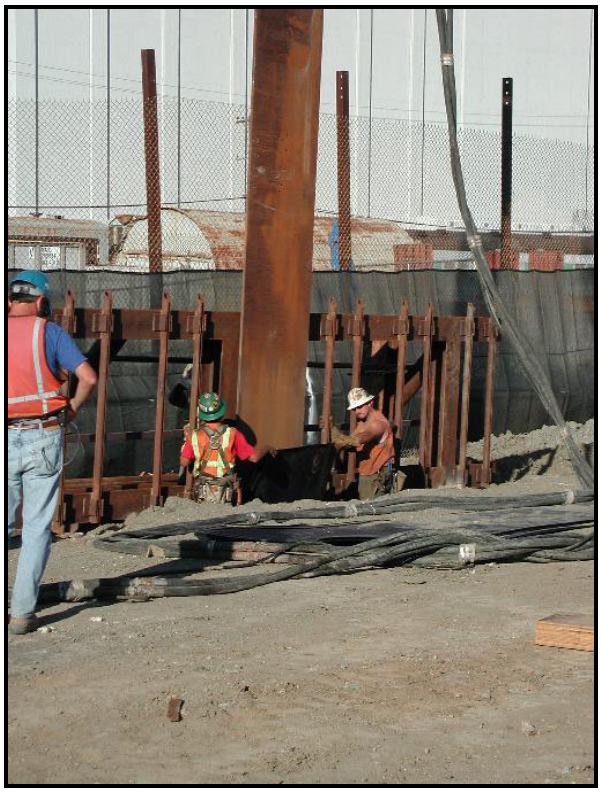
Photograph A-42. Gundwall® panels. Parcel E, Hunters Point Shipyard, September 9, 2002.

Photograph A-43. Driving I-beams. Parcel E, Hunters Point Shipyard, September 9, 2002.



Photograph A-44. Gundwall® panel installed into trench. Parcel E, Hunters Point Shipyard, September 9, 2002.

Photograph A-45. Gundwall® panel installed into test section. Parcel E, Hunters Point Shipyard, September 10, 2002.

Photograph A-46. Gundwall® panel installed into test section. Parcel E, Hunters Point Shipyard, September 10, 2002.

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Photograph A-85. Continuation of section where UCSF fencing was removed. Parcel E, Hunters Point Shipyard, October 1, 2002 (from Daily Engineer's report).

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Photograph A-87. Grading activities – filling area with excavated soil. Parcel E, Hunters Point Shipyard, October 2, 2002 (from Daily Engineer's report).

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Photograph A-89. Setting up extraction unit at EX-1. Parcel E, Hunters Point Shipyard, October 3 and 4, 2002 (from Daily Engineer's report).

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Photograph A-91. BART soil used in grading. Parcel E, Hunters Point Shipyard, October 7, 2002 (from Daily Engineer's report).

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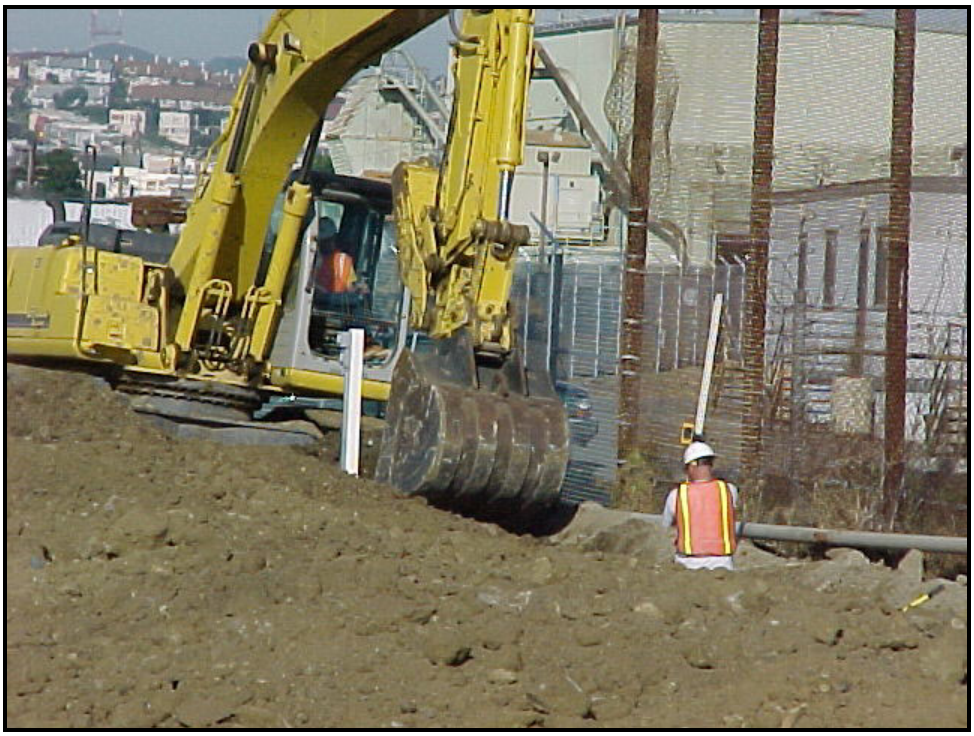
Photograph A-97. Grading along UCSF fence line. Parcel E, Hunters Point Shipyard, October 11, 2002 (from Daily Engineer's report).



Photograph A-98. Constructing V-ditch. Parcel E, Hunters Point Shipyard, October 14, 2002 (from Daily Engineer's report).

Photograph A-99. Construction of gravel road. Parcel E, Hunters Point Shipyard, October 15, 2002 (from Daily Engineer's report).

Photograph A-100. Construction of gravel road. Parcel E, Hunters Point Shipyard, October 15, 2002 (from Daily Engineer's report).

Photograph A-101. Passive vent at station 8+50 (piping and vertical riser). Parcel E, Hunters Point Shipyard, October 15, 2002 (from Daily Engineer's report).

Photograph A-102. Passive vent at station 5+00 (lateral over drainage ditch). Parcel E, Hunters Point Shipyard, October 15, 2002 (from Daily Engineer's report).

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Photograph A-104. Plug for riser at passive vent. Parcel E, Hunters Point Shipyard, October 16, 2002 (from Daily Engineer's report).

Photograph A-105. Repairing road along fence in UCSF compound. Parcel E, Hunters Point Shipyard, October 16, 2002 (from Daily Engineer's report).

Photograph A-106. East end of new gravel road. Parcel E, Hunters Point Shipyard, October 16, 2002 (from Daily Engineer's report).

APPENDIX B
AS-BUILT DRAWINGS

APPENDIX B
AS-BUILT DRAWINGS

The following drawings represent the as-built construction details for the landfill gas time-critical removal action at Installation Restoration Site 01/21 of Hunters Point Shipyard in San Francisco, California. This set of drawings reflect the design drawings issued with the "Time-Critical Landfill Gas Removal Action, Project Work Plan" prepared by Innovative Technical Solutions, Inc., except for design pages C-1 through C-3, Demolition and Grading Plan, which have been replaced with as-built drawing C-1 "As-Built Cut-Off Wall and Seam Locations." The page numbering system utilized in both sets of drawings is a standard industry practice relating the alpha-numeric letter to the engineering discipline and a sequencing number; for example C-1 is civil page one, G-1 is general page 2, and C-101 is civil details page one.

Tetra Tech EM Inc.

Innovative Technical Solutions, Inc.

TIME CRITICAL REMOVAL ACTION
AS-BUILT LANDFILL GAS RECOVERY SYSTEM

HUNTERS POINT SHIPYARD

PARCEL E INDUSTRIAL LANDFILL IR/21

LIST OF DRAWINGS

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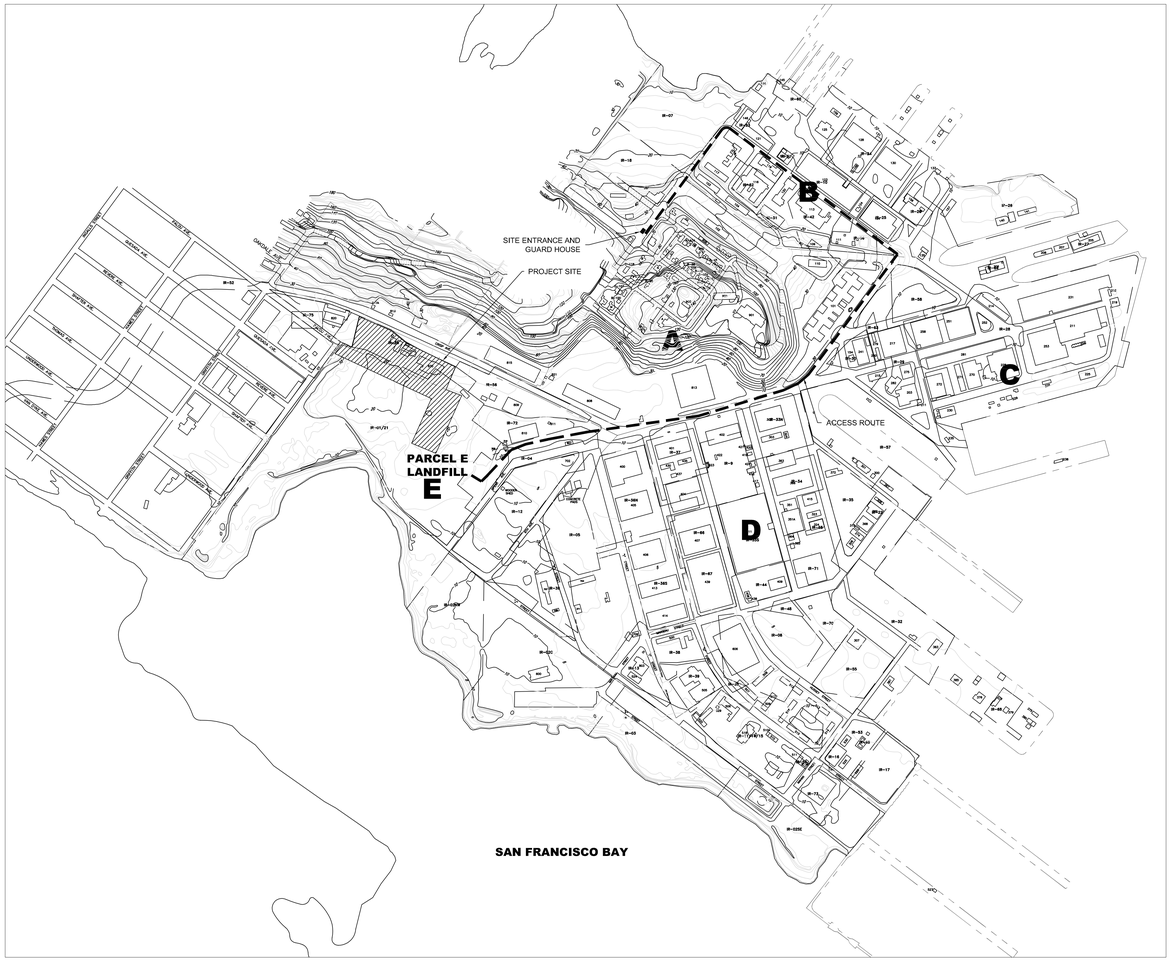
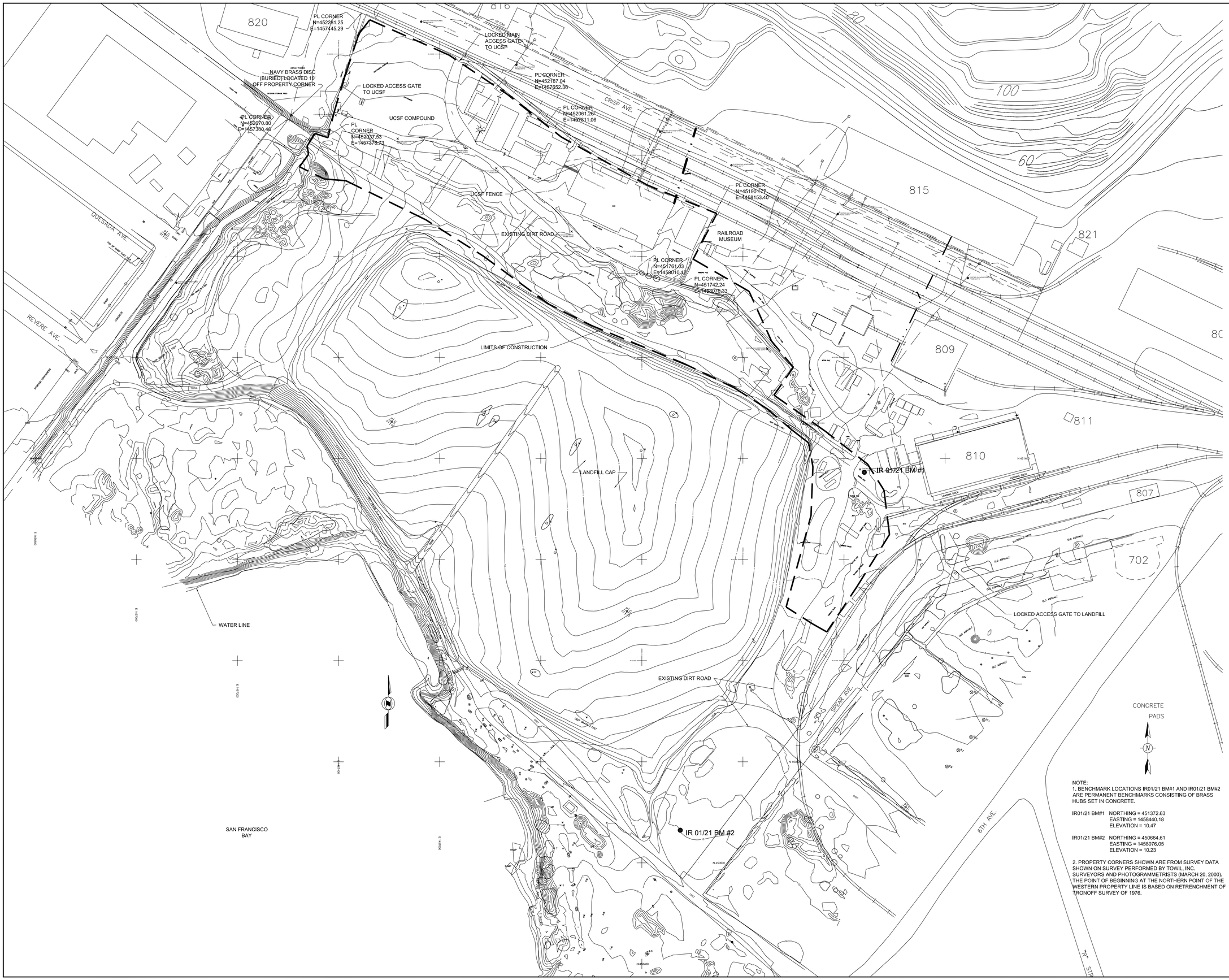
G-2	PROCESS FLOW DIAGRAM
C-1	SURVEYED BARRIER WALL AND SEAM LOCATION
C-2	BARRIER WALL AND EXTRACTION SYSTEM
C-3	BARRIER WALL AND EXTRACTION SYSTEM
C-4	BARRIER WALL AND EXTRACTION SYSTEM
C-100	BARRIER WALL PROFILE
C-101	EXTRACTION WELL DETAILS
C-102	GAS VENT AND MISCELLANEOUS DETAILS



HUNTERS POINT SHIPYARD

SCALE: 1" = 400'



NOTE:
1. BENCHMARK LOCATIONS IR01/21 BM#1 AND IR01/21 BM#2 ARE PERMANENT BENCHMARKS CONSISTING OF BRASS HUBS SET IN CONCRETE.

IR01/21 BM#1 NORTHING = 451372.63
EASTING = 1458440.18
ELEVATION = 10.47

IR01/21 BM#2 NORTHING = 450664.61
EASTING = 1458076.05
ELEVATION = 10.23

2. PROPERTY CORNERS SHOWN ARE FROM SURVEY DATA SHOWN ON SURVEY PERFORMED BY TOWIL, INC. SURVEYORS AND PHOTOGRAMMETRISTS (MARCH 20, 2000). THE POINT OF BEGINNING AT THE NORTHERN POINT OF THE WESTERN PROPERTY LINE IS BASED ON RETRENCHMENT OF TRONOFF SURVEY OF 1976.

REV.	DATE	DRAWN
1	07/16/03	AS-BUILT DRAWING
0	07/02/03	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

Innovative Technical Solutions, Inc.

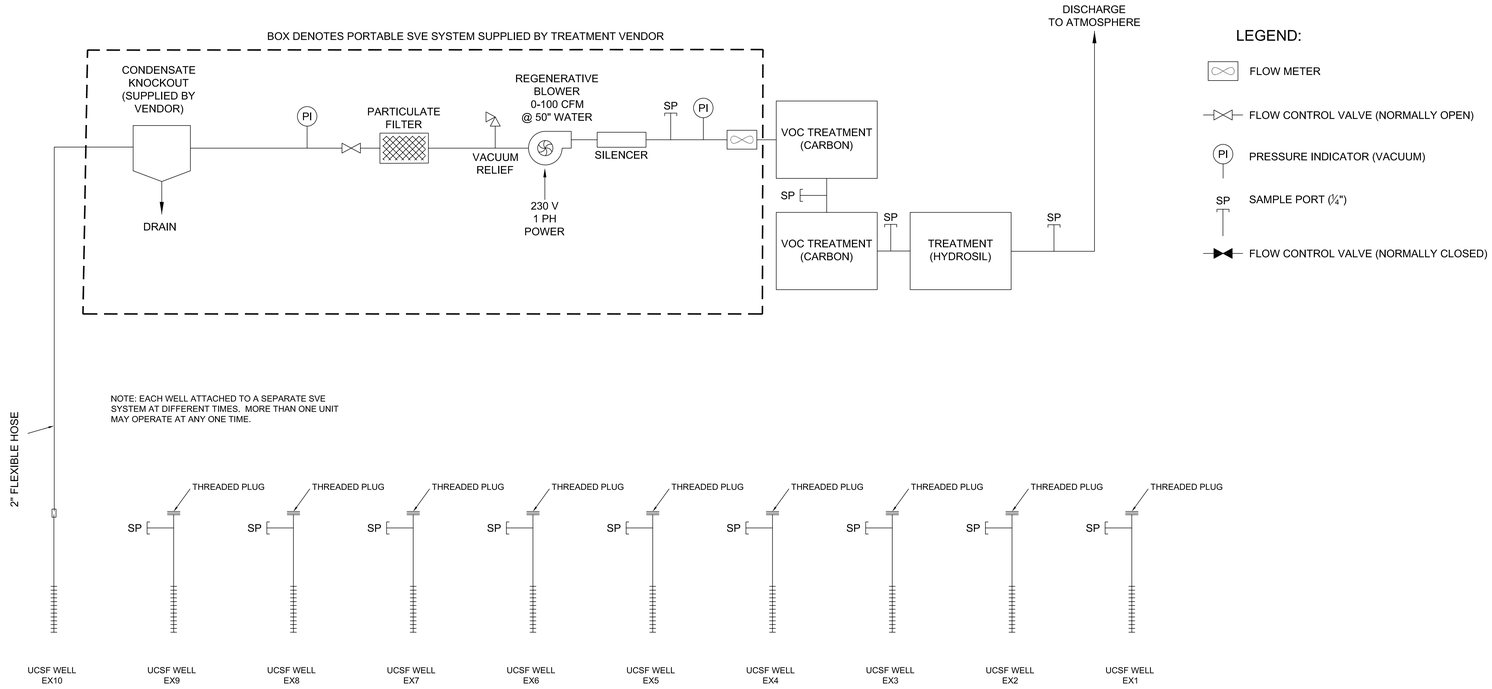
DESIGNED BY: S.D.D.
DRAWN BY: S.D.D.
CHECKED BY: V.L.C.

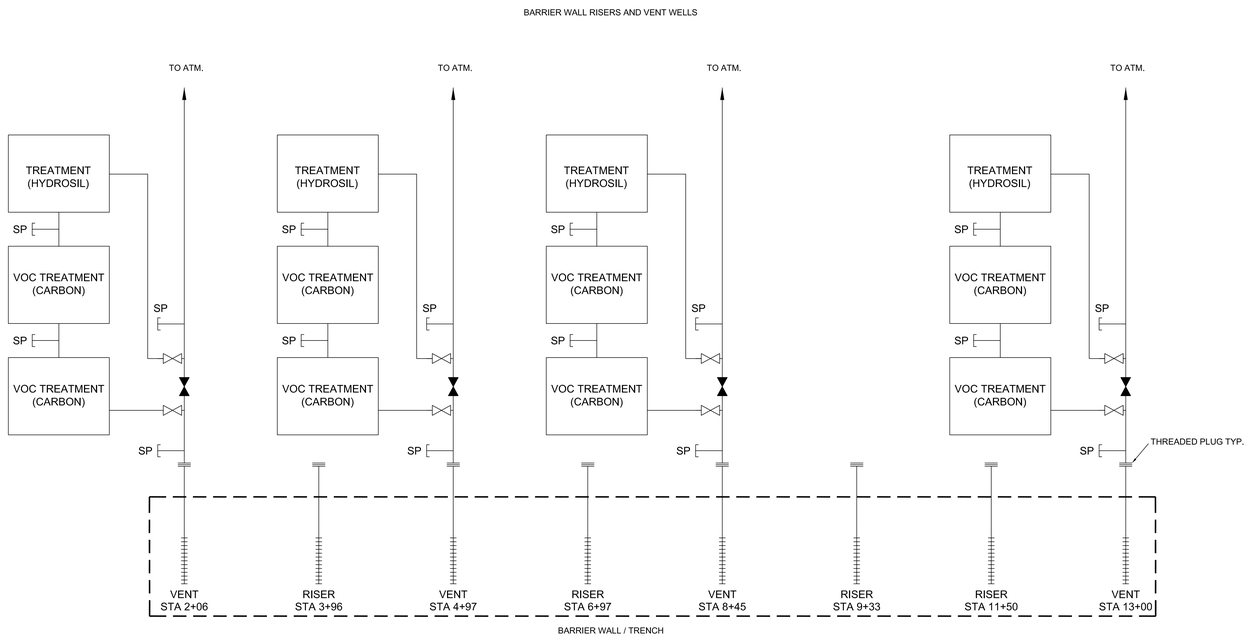
RE-CHECKED BY: S.D.W.
APPROVED BY: S.D.D.
DATE: 07-23-03

HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVAL, SAN DIEGO

LIMITS OF CONSTRUCTION
DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:
G-1





REV	DATE	DRAWN
1	7/14/03	AS-BUILT DRAWING
0	7/22/03	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

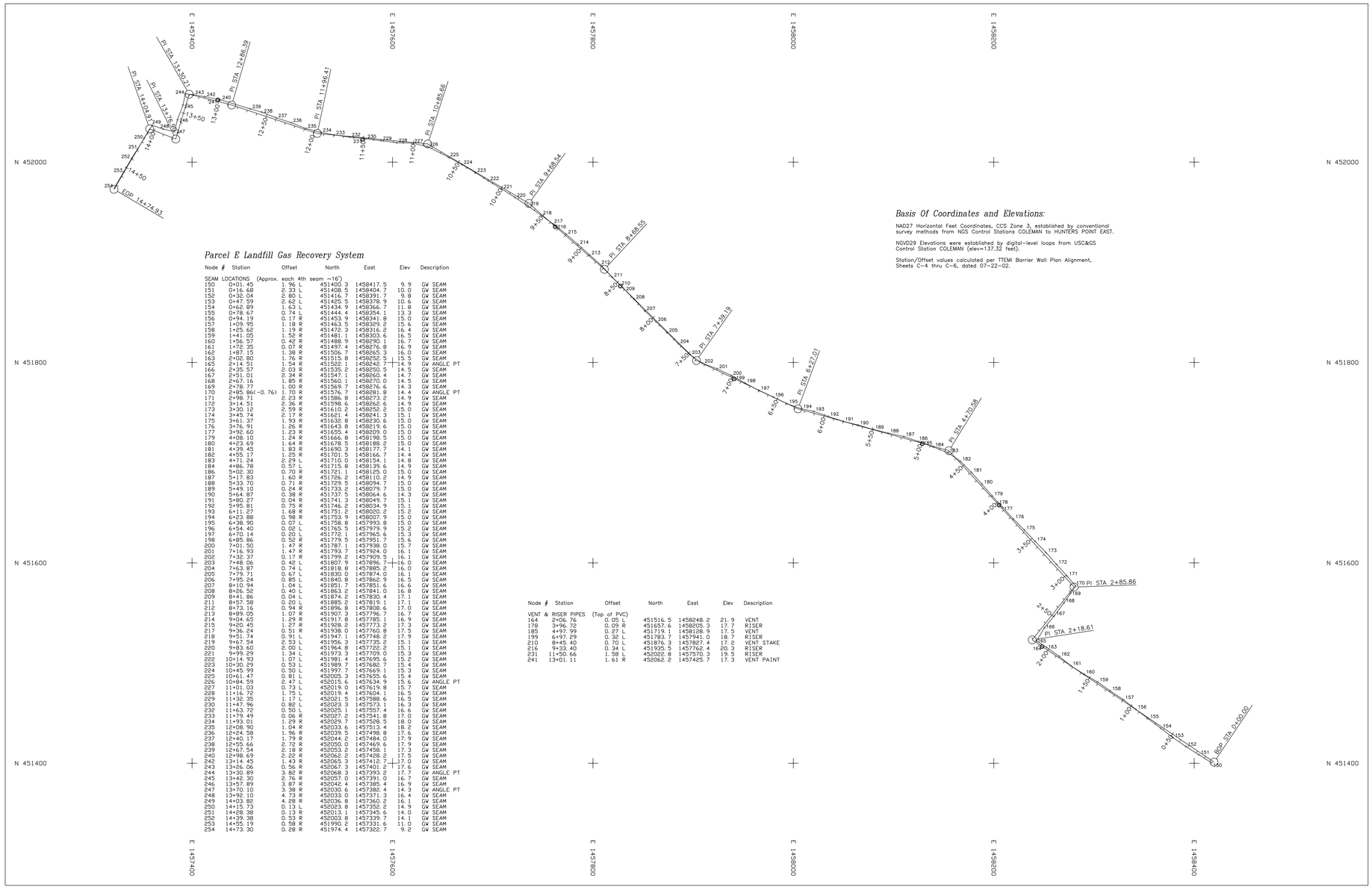
ITSI Innovative Tactical Solutions, Inc.

DESIGNED BY: S.D.D.
DRAWN BY: S.D.D.
CHECKED BY: V.L.C.
RE-CHECKED BY: S.D.W.
APPROVED BY: S.D.D.
DATE: 07-20-03

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVAL SHIPYARD

PROCESS FLOW DIAGRAM
DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:
G-2



Parcel E Landfill Gas Recovery System

Node #	Station	Offset	North	East	Elev	Description
SEAM LOCATIONS (Approx. each 4th seam ~16')						
150	0+01.45	1.96 L	451400.3	1458417.5	9.9	GW SEAM
151	0+16.68	2.33 L	451408.5	1458404.7	10.0	GW SEAM
152	0+32.04	2.80 L	451416.7	1458391.7	9.8	GW SEAM
153	0+47.59	2.62 L	451425.5	1458378.9	10.6	GW SEAM
154	0+62.89	1.63 L	451434.9	1458366.7	11.8	GW SEAM
155	0+78.67	0.74 L	451444.4	1458354.1	13.3	GW SEAM
156	0+94.19	0.17 R	451453.9	1458341.8	15.0	GW SEAM
157	1+09.95	1.18 R	451463.5	1458329.2	15.6	GW SEAM
158	1+25.62	1.19 R	451472.3	1458316.2	16.4	GW SEAM
159	1+41.05	1.52 R	451481.1	1458303.6	16.5	GW SEAM
160	1+56.57	0.42 R	451488.9	1458290.1	16.7	GW SEAM
161	1+72.35	0.07 R	451497.4	1458276.8	16.9	GW SEAM
162	1+87.15	1.38 R	451506.7	1458265.3	16.0	GW SEAM
163	2+02.80	1.76 R	451515.8	1458252.5	15.5	GW SEAM
165	2+14.51	1.54 R	451522.1	1458242.7	14.9	GW ANGLE PT
166	2+35.57	2.03 R	451535.2	1458250.5	14.5	GW SEAM
167	2+51.01	2.34 R	451547.1	1458260.4	14.7	GW SEAM
168	2+67.16	1.85 R	451560.1	1458270.0	14.5	GW SEAM
169	2+78.77	1.00 R	451569.7	1458276.6	14.3	GW SEAM
170	2+85.86(-0.76)	1.70 R	451576.7	1458281.8	14.4	GW ANGLE PT
171	2+98.71	2.23 R	451586.8	1458273.2	14.9	GW SEAM
172	3+14.51	2.36 R	451598.6	1458262.6	14.9	GW SEAM
173	3+30.12	2.59 R	451610.2	1458252.2	15.0	GW SEAM
174	3+45.74	2.17 R	451621.4	1458241.3	15.1	GW SEAM
175	3+61.37	1.93 R	451632.8	1458230.6	15.0	GW SEAM
176	3+76.91	1.26 R	451643.8	1458219.6	15.0	GW SEAM
177	3+92.60	1.23 R	451655.4	1458209.0	15.0	GW SEAM
179	4+08.10	1.24 R	451666.8	1458198.5	15.0	GW SEAM
180	4+23.69	1.64 R	451678.5	1458188.2	15.0	GW SEAM
181	4+39.45	1.83 R	451690.3	1458177.7	14.1	GW SEAM
182	4+55.17	1.25 R	451701.5	1458166.7	14.4	GW SEAM
183	4+71.24	2.29 L	451710.0	1458154.1	14.8	GW SEAM
184	4+86.78	0.57 L	451715.8	1458139.6	14.9	GW SEAM
186	5+02.30	0.70 R	451721.1	1458125.0	15.0	GW SEAM
187	5+17.83	1.60 R	451726.2	1458110.2	14.9	GW SEAM
188	5+33.70	0.71 R	451729.5	1458094.7	15.0	GW SEAM
189	5+49.10	0.24 R	451733.2	1458079.7	15.0	GW SEAM
190	5+64.87	0.38 R	451737.5	1458064.6	14.3	GW SEAM
191	5+80.27	0.04 R	451741.3	1458049.7	15.1	GW SEAM
192	5+95.81	0.75 R	451746.2	1458034.9	15.1	GW SEAM
193	6+11.27	1.68 R	451751.2	1458020.2	15.2	GW SEAM
194	6+23.88	0.98 R	451753.9	1458007.9	15.0	GW SEAM
195	6+38.90	0.07 L	451758.8	1457993.8	15.0	GW SEAM
196	6+54.40	0.02 L	451765.5	1457979.9	15.2	GW SEAM
197	6+70.14	0.20 L	451772.1	1457965.6	15.3	GW SEAM
198	6+85.86	0.52 R	451779.5	1457951.7	15.6	GW SEAM
200	7+01.50	1.47 R	451787.1	1457938.0	15.7	GW SEAM
201	7+16.93	1.47 R	451793.7	1457924.0	16.1	GW SEAM
202	7+32.37	0.17 R	451799.2	1457909.5	16.1	GW SEAM
203	7+48.06	0.42 L	451807.9	1457896.7	16.0	GW SEAM
204	7+63.87	0.74 L	451818.8	1457885.2	16.0	GW SEAM
205	7+79.71	0.67 L	451830.0	1457874.0	16.1	GW SEAM
206	7+95.24	0.85 L	451840.8	1457862.9	16.5	GW SEAM
207	8+10.94	1.04 L	451851.7	1457851.6	16.6	GW SEAM
208	8+26.52	0.40 L	451863.2	1457841.0	16.8	GW SEAM
209	8+41.86	0.04 L	451874.2	1457830.4	17.1	GW SEAM
211	8+57.58	0.20 L	451885.2	1457819.1	17.1	GW SEAM
212	8+73.16	0.94 R	451896.8	1457808.6	17.0	GW SEAM
213	8+89.05	1.07 R	451907.3	1457796.7	16.7	GW SEAM
214	9+04.65	1.29 R	451917.8	1457785.1	16.9	GW SEAM
215	9+20.45	1.27 R	451928.2	1457773.2	17.3	GW SEAM
217	9+36.24	0.51 R	451938.0	1457760.8	17.5	GW SEAM
218	9+51.74	0.91 L	451947.1	1457748.2	17.9	GW SEAM
219	9+67.54	2.53 L	451956.3	1457735.2	15.1	GW SEAM
220	9+83.60	2.00 L	451964.8	1457722.2	15.1	GW SEAM
221	9+99.29	1.34 L	451973.3	1457709.0	15.3	GW SEAM
222	10+14.93	1.07 L	451981.4	1457695.6	15.2	GW SEAM
223	10+30.29	0.53 L	451989.7	1457682.7	15.4	GW SEAM
224	10+45.99	0.50 L	451997.7	1457669.1	15.3	GW SEAM
225	10+61.47	0.81 L	452005.3	1457655.6	15.4	GW SEAM
226	10+84.59	2.47 L	452015.6	1457634.9	15.6	GW ANGLE PT
227	11+01.03	0.73 L	452019.0	1457619.8	15.7	GW SEAM
228	11+16.72	1.75 L	452019.4	1457604.1	16.5	GW SEAM
229	11+32.35	1.17 L	452021.5	1457588.6	16.5	GW SEAM
230	11+47.96	0.82 L	452023.3	1457573.1	16.3	GW SEAM
232	11+63.72	0.50 L	452025.1	1457557.4	16.6	GW SEAM
233	11+79.49	0.06 R	452027.2	1457541.8	17.0	GW SEAM
234	11+93.01	1.29 R	452029.7	1457528.5	18.0	GW SEAM
235	12+08.90	1.04 R	452033.6	1457513.4	18.2	GW SEAM
236	12+24.58	1.96 R	452039.5	1457498.8	17.6	GW SEAM
237	12+40.17	1.79 R	452044.2	1457484.0	17.9	GW SEAM
238	12+55.66	2.72 R	452050.0	1457469.6	17.9	GW SEAM
239	12+67.54	2.18 R	452053.2	1457458.1	17.3	GW SEAM
240	12+98.69	2.22 R	452062.2	1457428.2	17.5	GW SEAM
242	13+14.45	1.43 R	452065.3	1457412.7	17.0	GW SEAM
243	13+26.06	0.56 R	452067.3	1457401.2	17.6	GW SEAM
244	13+30.89	3.82 R	452068.3	1457393.2	17.7	GW ANGLE PT
245	13+42.30	2.76 R	452057.0	1457391.0	16.7	GW SEAM
246	13+57.89	3.87 R	452042.4	1457385.4	16.9	GW SEAM
247	13+70.10	3.38 R	452030.6	1457382.4	14.3	GW ANGLE PT
248	13+92.10	4.73 R	452033.0	1457371.3	16.4	GW SEAM
249	14+03.82	4.28 R	452036.8	1457360.2	16.1	GW SEAM
250	14+15.73	0.13 L	452023.8	1457352.2	14.9	GW SEAM
251	14+28.38	0.13 R	452013.1	1457345.6	14.0	GW SEAM
252	14+39.38	0.53 R	452003.8	1457339.7	14.1	GW SEAM
253	14+55.19	0.58 R	451990.2	1457331.6	11.0	GW SEAM
254	14+73.30	0.28 R	451974.4	1457322.7	9.2	GW SEAM

Node #	Station	Offset	North	East	Elev	Description
VENT & RISER PIPES (Top of PVC)						
164	2+06.76	0.05 L	451516.5	1458248.2	21.9	VENT
178	3+96.72	0.09 R	451657.6	1458205.3	17.7	RISER
185	4+97.99	0.27 L	451719.1	1458128.9	17.5	VENT
199	6+97.29	0.32 L	451783.7	1457941.0	18.7	RISER
210	8+45.40	0.70 L	451876.3	1457827.4	17.2	VENT STAKE
216	9+33.40	0.34 L	451935.5	1457762.4	20.3	RISER
231	11+50.66	1.58 L	452022.8	1457570.3	19.5	RISER
241	13+01.11	1.61 R	452062.2	1457425.7	17.3	VENT PAINT

Basis Of Coordinates and Elevations:

NAD27 Horizontal Feet Coordinates, CCS Zone 3, established by conventional survey methods from NGS Control Stations COLEMAN to HUNTERS POINT EAST.

NGVD29 Elevations were established by digital-level loops from USC&GS Control Station COLEMAN (elev=137.32 feet).

Station/Offset values calculated per TTEMI Barrier Wall Plan Alignment, Sheets C-4 thru C-6, dated 07-22-02.

NOTE: SEAM LOCATIONS EVERY FOUR FEET. SURVEY EVERY FOURTH SEAM (APPROXIMATELY 16 FT.)

SOURCE: INNOVATIVE TECHNICAL SOLUTIONS, INC. OCTOBER 2002.

20 0 40 80
SCALE: 1" = 40'

REV	DATE	DWN
0	7/9/03	AS-BUILT DRAWING

Innovative Technical Solutions, Inc.

Tetra Tech EM Inc.

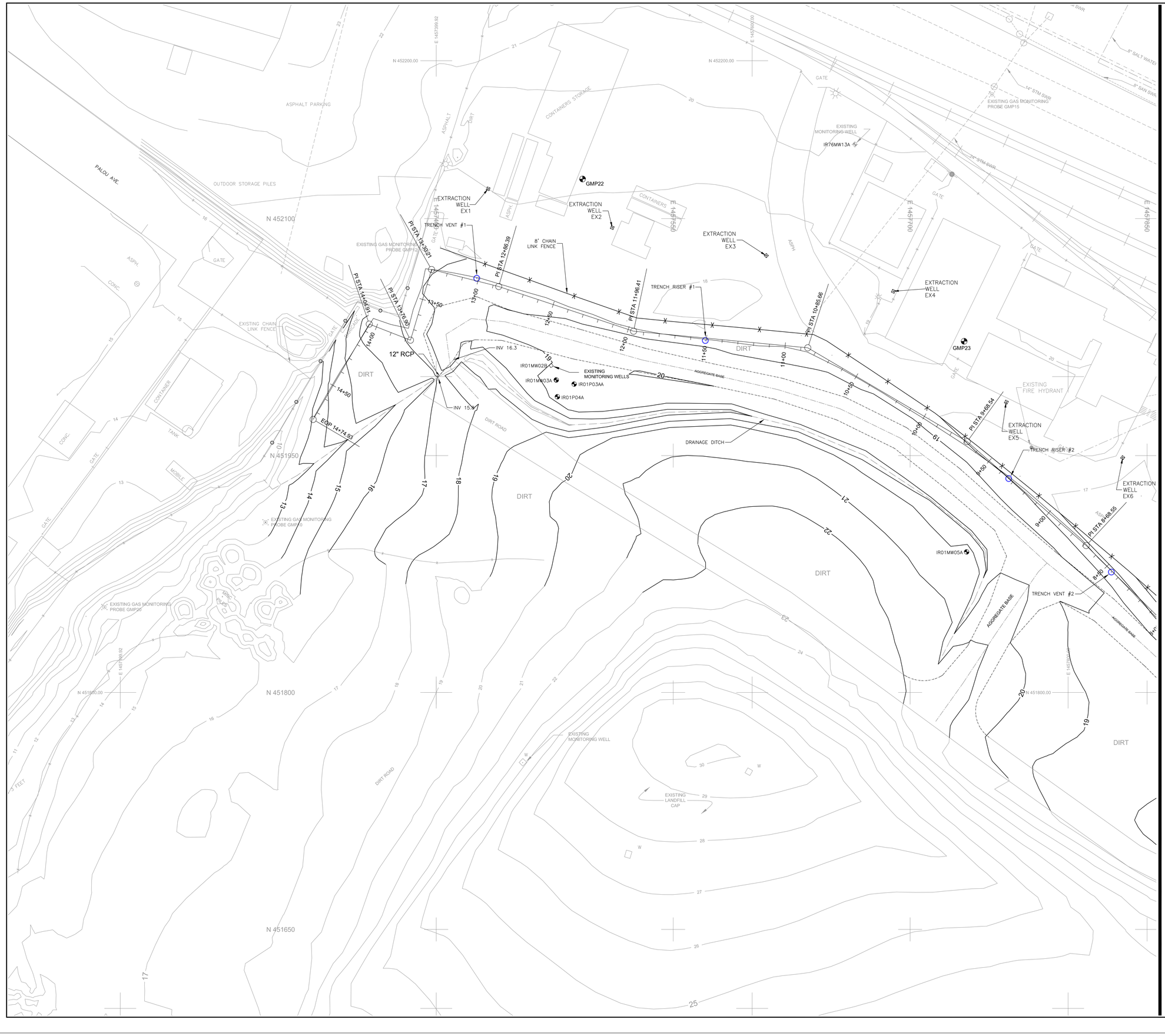
RE-CHECKED BY: V.L.C.
APPROVED BY: ----
DATE: 07-23-03

DESIGNED BY: S.D.W.
DRAWN BY: T.E.P.
CHECKED BY: S.D.D.

HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVFAC, SAN DIEGO

SURVEYED BARRIER WALL AND SEAM LOCATION
DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:
C-01



LEGEND:

EXISTING CONTOUR LINE

10 0 20 40
SCALE: 1" = 20'

Tetra Tech EM Inc.

Innovative Technical Solutions, Inc.

REV	DATE	DRWN
1	7/16/03	AS-BUILT DRAWING
0	7/22/02	ISSUED FOR CONSTRUCTION

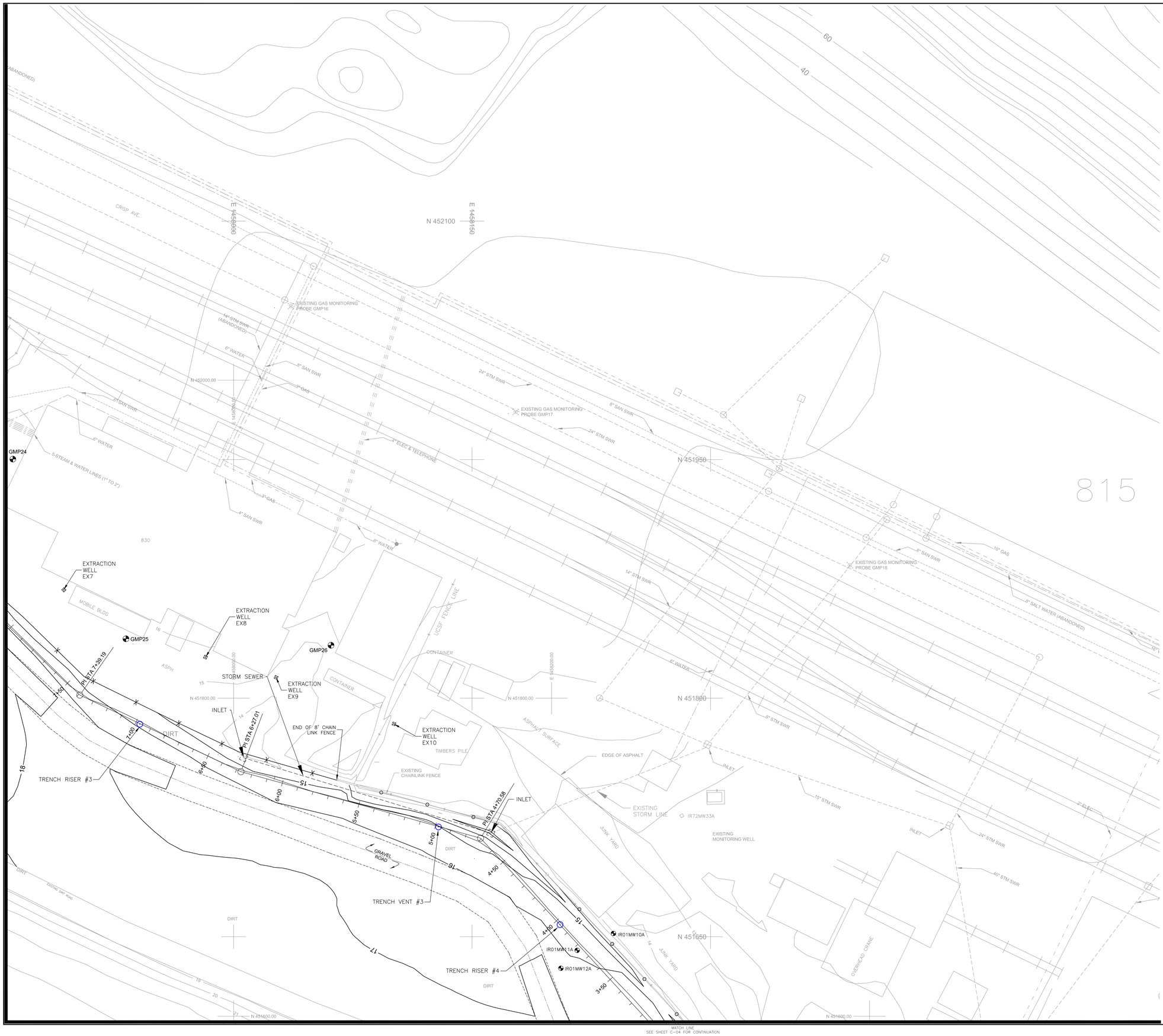
DESIGNED BY: S.D.D.
DRAWN BY: S.D.D.
CHECKED BY: L.K.H.
RE-CHECKED BY: ----
APPROVED BY: ----
DATE: 07/23/03

HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVFAC, SAN DIEGO

AS-BUILT BARRIER WALL AND EXTRACTION SYSTEM

DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:
C-02



LEGEND:

EXISTING CONTOUR LINE

SCALE: 1" = 20'

REV.	DATE	DRAWN
1	7/16/03	AS-BUILT DRAWING
0	7/22/02	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

Innovative Technical Solutions, Inc.

DESIGNED BY: S.D.D.
DRAWN BY: S.D.D.
CHECKED BY: L.K.H.

RE-CHECKED BY: ____
APPROVED BY: ____
DATE: 07/23/03

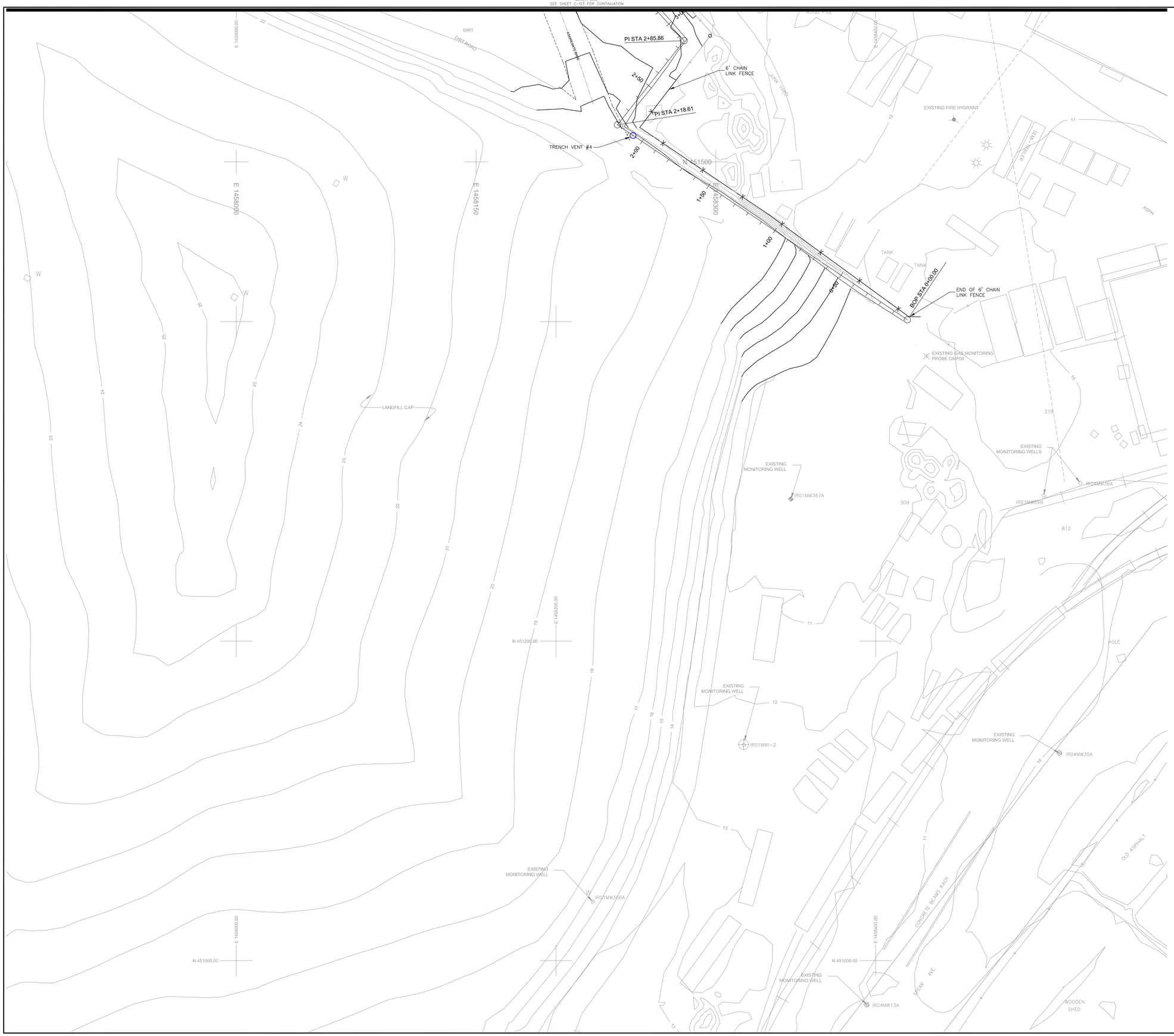
HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY - SOUTHWEST DIVISION - SAN DIEGO

AS-BUILT BARRIER WALL AND EXTRACTION SYSTEM

DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:

C-03



REV.	DATE	DRAWN
1	7/16/03	AS-BUILT DRAWING
0	7/22/02	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

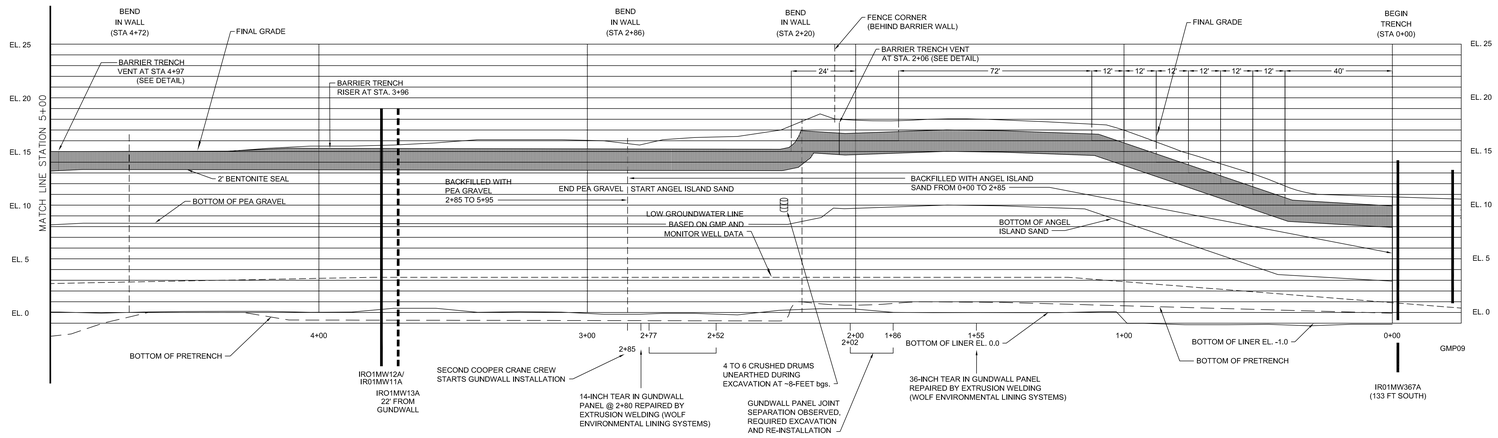
Innovative Technical Solutions, Inc.

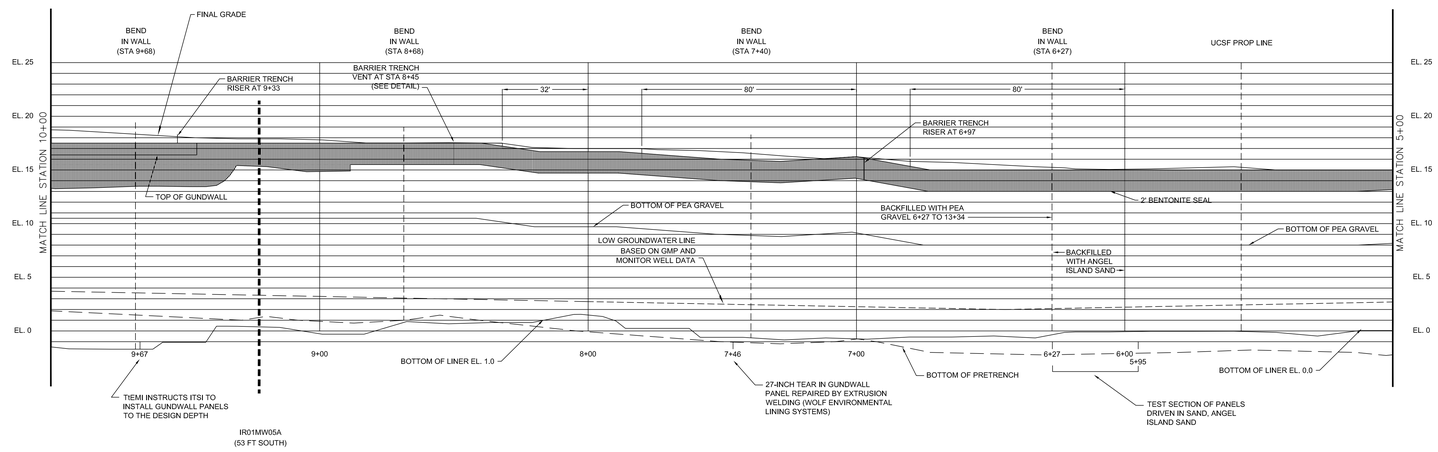
DESIGNED BY: S.D.D.
DRAWN BY: S.D.D.
CHECKED BY: L.K.H.
RE-CHECKED BY: ____
APPROVED BY: ____
DATE: 07/23/03

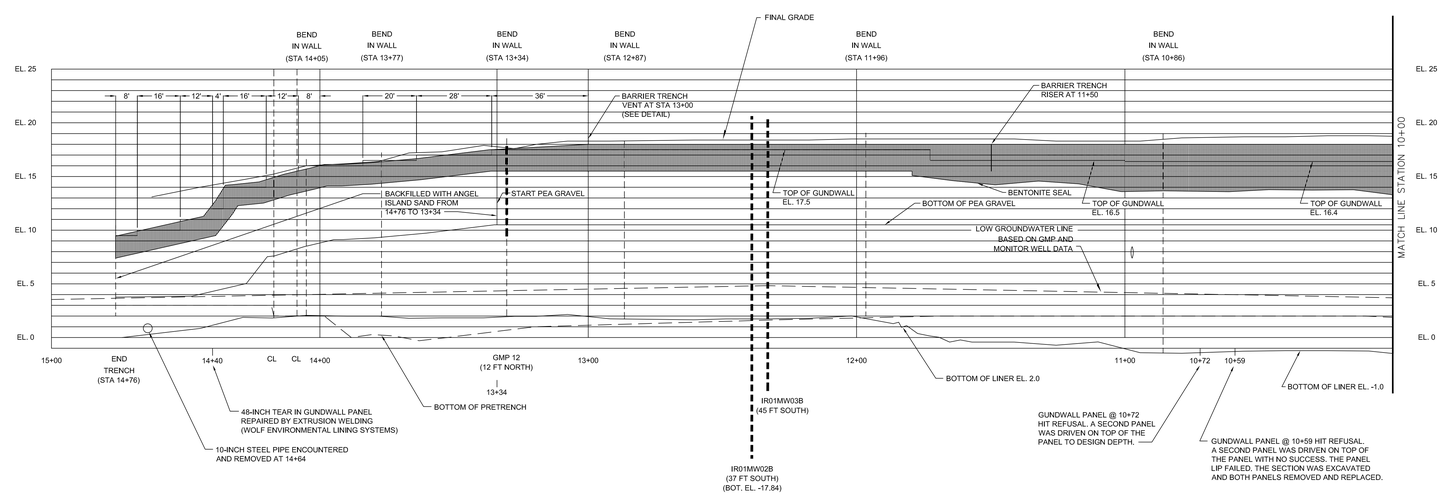
HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION, SAN DIEGO

AS-BUILT BARRIER WALL AND EXTRACTION SYSTEM
DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:
C-04







AS-BUILT GUNDWALL SUMMARY

BEGIN STATION	END STATION	LINER TOP ELEV	AVG LINER BOTTOM ELEV	WIDTH	DEPTH
0	40	10	-1.2	40	11
40	52	11	-1.1	12	12
52	64	12	-1.1	12	13
64	76	13	-1.1	12	14
76	88	14	-1.1	12	15
88	100	15	-1.0	12	16
100	112	16	0.8	12	15
112	184	17	0.0	72	17
184	224	16	0.2	40	16
224	680	15	0.1	456	15
680	780	16	-0.5	100	17
780	800	17	0.6	20	16
800	832	17	1.1	32	16
832	944	17.5	0.5	112	17
944	968	16.2	-0.8	24	17
968	1100	16.0	-1.0	132	17
1100	1170	16.4	-0.6	70	17
1170	1200	17.5	1.2	30	16
1200	1336	17.5	1.9	136	16
1336	1364	17.0	1.9	28	15
1364	1384	16.5	1.9	20	15
1384	1408	16.0	2.0	24	14
1408	1420	15.0	2.0	12	13
1420	1436	14.0	1.8	16	12
1436	1440	12.0	1.8	4	10
1440	1452	12.0	1.7	12	10
1452	1468	10.0	1.2	16	9
1468	1476	9.5	0.6	8	9

HORIZONTAL SCALE
20 10 0 20 40 60 FEET

VERTICAL SCALE
5 0 5 10 15 FEET

VERTICAL EXAGGERATION = 4X

REV	DATE	DESCRIPTION
1	7/16/03	AS-BUILT DRAWING
0	7/22/02	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

ITSI Innovative Technical Solutions, Inc.

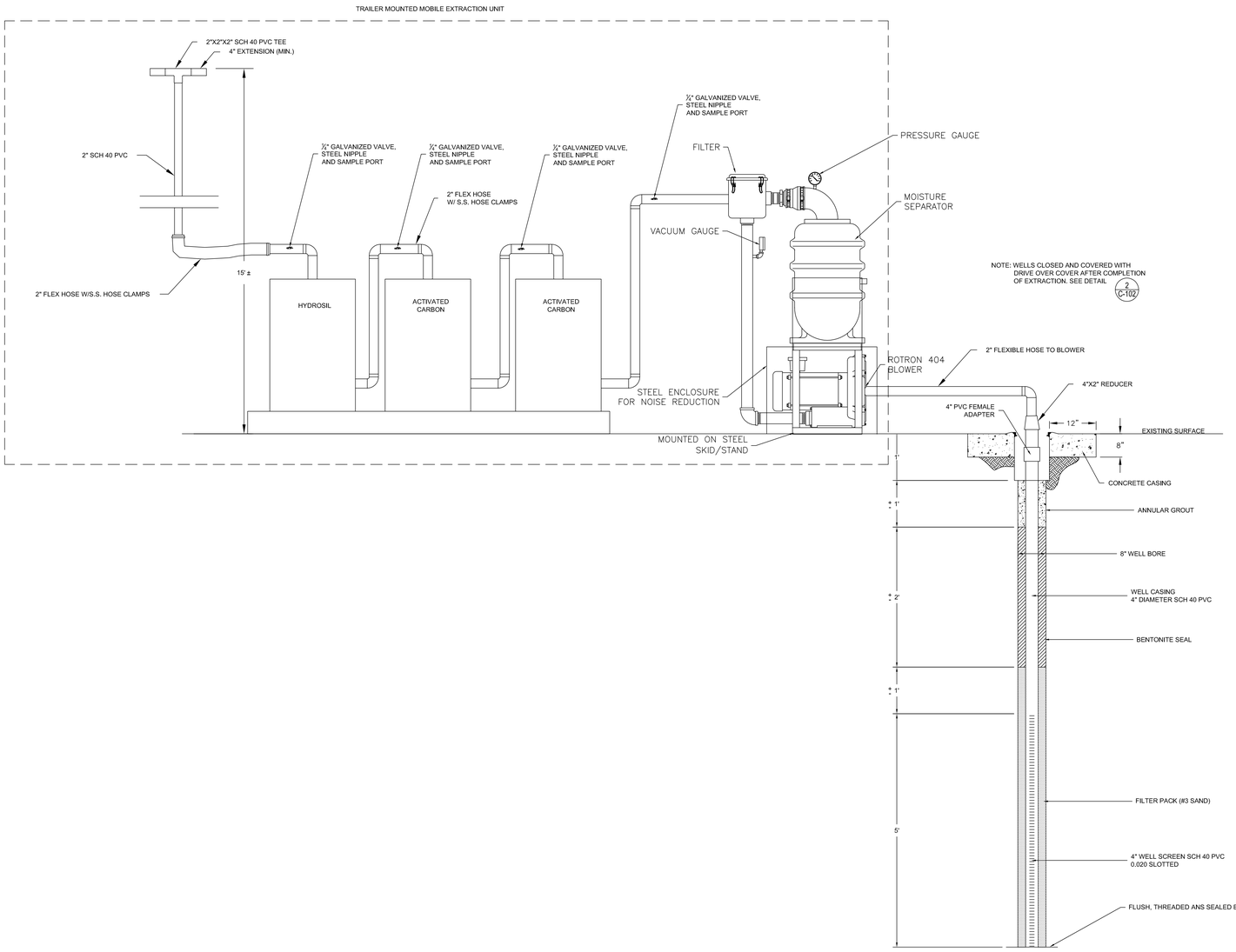
DESIGNED BY: V.L.C.
DRAWN BY: R.T.F.
CHECKED BY: S.D.D.
RE-CHECKED BY: S.D.W.
APPROVED BY: S.D.D.
DATE: 07-23-03

HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVFAC, SAN DIEGO

AS-BUILT BARRIER WALL PROFILE

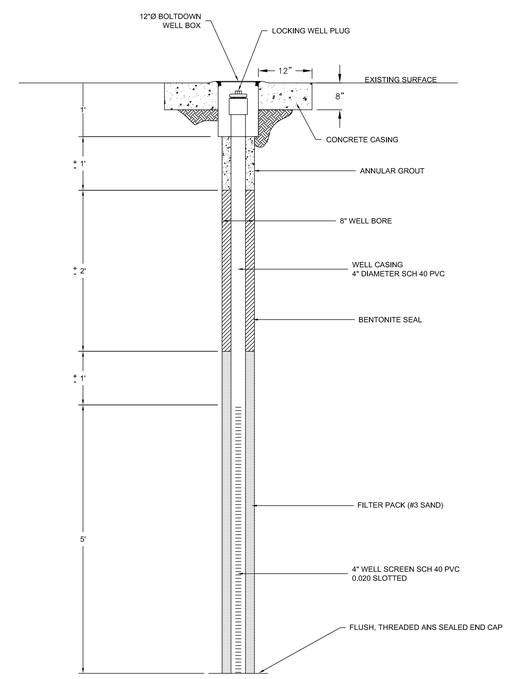
DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:
C-100



UCSF EXTRACTION WELL DETAIL WHEN EXTRACTING (1)

SCALE: 1" = 1'-0"



UCSF EXTRACTION WELL DETAIL NOT EXTRACTING (2)

SCALE: 1" = 1'-0"

REV	DATE	DRAWN
1	7/16/03	AS-BUILT DRAWING
0	7/22/02	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

Innovative Technical Solutions, Inc.

DESIGNED BY: S.D.W.
DRAWN BY: T.E.P.
CHECKED BY: S.D.D.
RE-CHECKED BY: V.L.C.
APPROVED BY: ----
DATE: 07-23-03

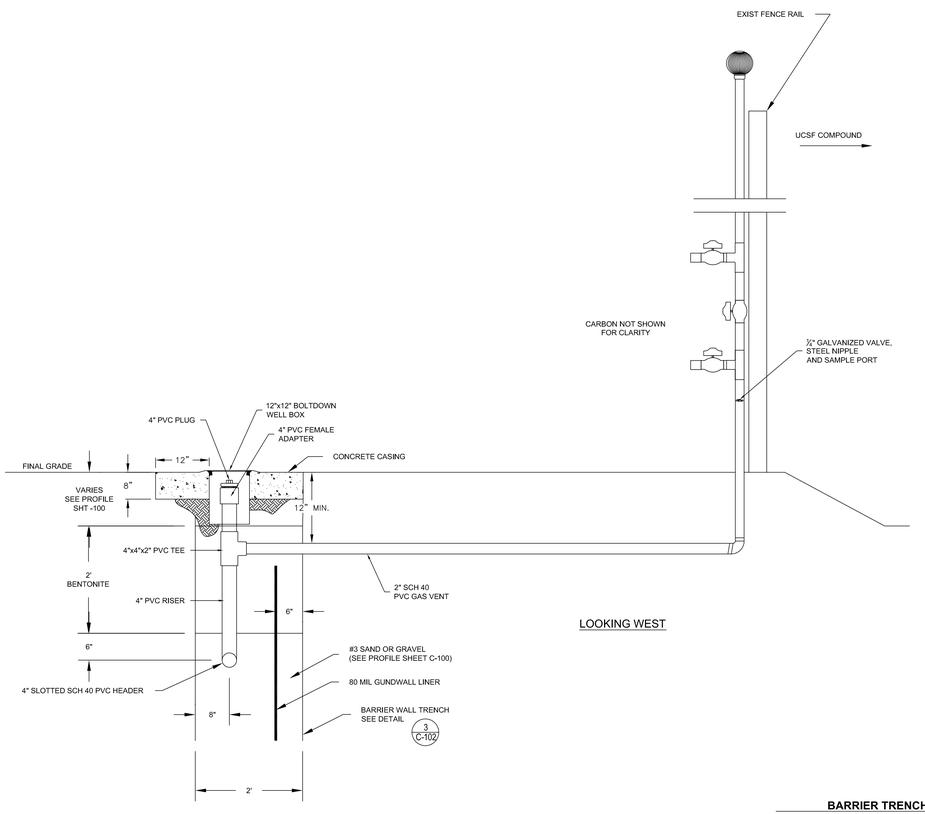
HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVFAC, SAN DIEGO

AS-BUILT WELL HEAD AND LATERAL CONNECTION DETAILS

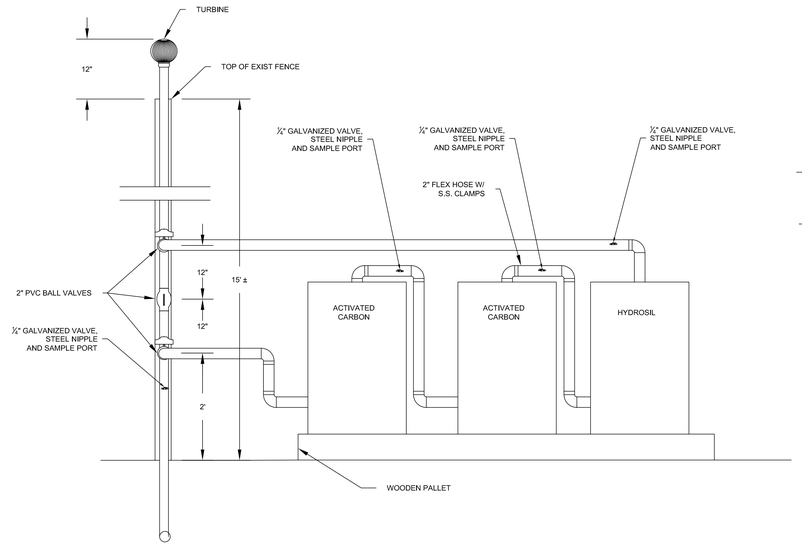
DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:

C-101



LOOKING WEST

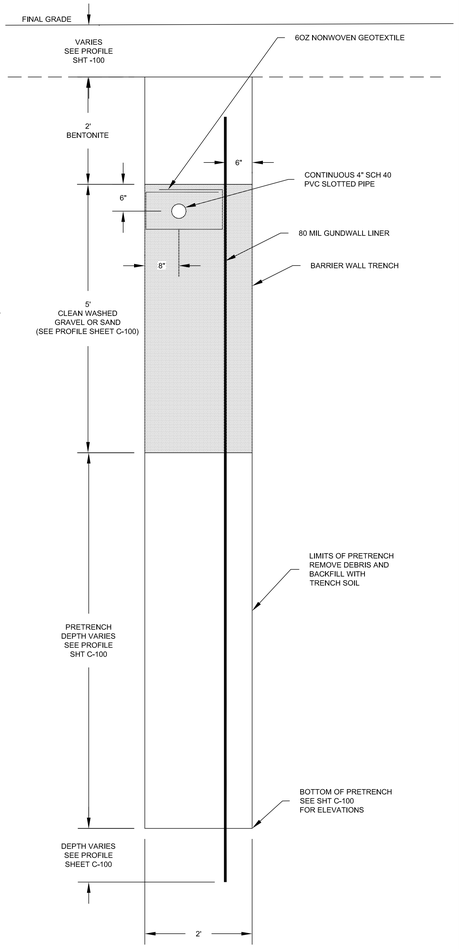


LOOKING NORTH

BARRIER TRENCH VENT DETAIL (1)

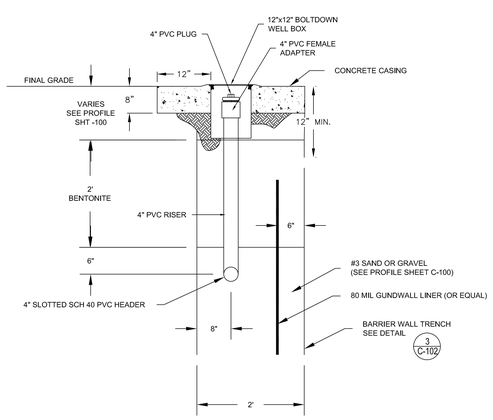
SCALE: 1" = 1'-0"

NOTE:
VENTS WERE INSTALLED AT STATIONS 2+06, 4+97, 8+45, 13+00



TYPICAL BARRIER WALL SECTION (3)

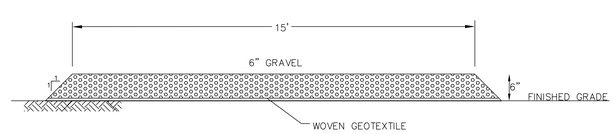
SCALE: 1" = 1'-0"



BARRIER TRENCH RISER (2)

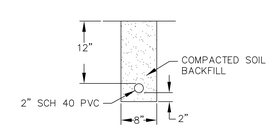
SCALE: 1" = 1'-0"

NOTE:
RISERS WITHOUT VENTS WERE INSTALLED AT STATIONS 3+96, 6+97, 9+33, 11+50



GRAVEL ROAD DETAIL (4)

SCALE: 1/2" = 1'-0"



2" LATERAL BEDDING DETAIL (5)

SCALE: 1" = 1'-0"

REV	DATE	DWN
1	7/16/03	AS-BUILT DRAWING
0	7/22/02	ISSUED FOR CONSTRUCTION

Tetra Tech EM Inc.

Innovative Technical Solutions, Inc.

DESIGNED BY: S.D.W.
DRAWN BY: T.E.P.
CHECKED BY: S.D.D.

RE-CHECKED BY: V.L.C.
APPROVED BY: ----
DATE: 07-23-03

HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY: SOUTHWEST DIVISION NAVFAC: SAN DIEGO

AS-BUILT GAS VENTS AND MISCELLANEOUS

DRAFT PARCEL E LANDFILL GAS TIME-CRITICAL REMOVAL ACTION CLOSEOUT REPORT

DRAWING NO.:

C-102

APPENDIX C
BORING AND WELL CONSTRUCTION LOGS

LIST OF EXTRACTION WELL AND GAS MONITORING PROBE BORING AND WELL CONSTRUCTION LOGS

EX-1	GMP07
EX-2	GMP07A
EX-3	GMP08
EX-4	GMP08A
EX-5	GMP09
EX-6	GMP10
EX-7	GMP11
EX-8	GMP11A
EX-9	GMP12
EX-10	GMP13
GMP01	GMP14
GMP01A	GMP15
GMP02	GMP16
GMP02A	GMP17
GMP03	GMP18
GMP03A	GMP19
GMP04	GMP20
GMP04A	GMP21
GMP05	GMP22
GMP05A	GMP23
GMP05B	GMP24
GMP06	GMP25
GMP06A	GMP26
GMP06B	

LOCATION UCSF Facility / Hunters Point BORING DEPTH 10.0 **BORING NO.** EX-1

SURFACE ELEVATION NA DATE 8/8/2002 SHEET 1 OF 1

DRILLING METHOD 12" Hollow Stem Auger LOGGED BY Rob Nelson

SAMPLING METHOD NA EDITED BY

CHECKED BY

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0			Asphalt
	GM		FILL: Silty Gravel with Sand (GM), very dark grayish brown (10YR 3/2), dense, dry to moist, 50% fine to coarse subangular gravel, 25% fine to medium sand, 25% silt, low plasticity; OVM=0, gastech=0 while drilling
	CL		FILL: Sandy lean Clay with Gravel (CL), brown (7.5YR 4/2), stiff, dry to moist, moderately plastic; ~20% very fine to fine sand, 5-10% gravel; OVM=0, Gastech=0
5.0			
	CL/GM		FILL: Clayey Gravel with Sand (GC) to Silty Gravel with Sand (GM), brown (7.5YR 4/2), dense, dry, low plasticity, 60% fine to coarse gravel (sandstone and chert), 25% lean clay to silt, 25% fine sand; OVM=0, Gastech=0 while drilling
10.0			
15.0			

Innovative Technical Solutions, Inc.

PROJECT Hunters Point Landfill

PROJECT NO. 01-117

LOCATION Hunters Point / UCSF facility BORING DEPTH 10.0' **BORING NO.** EX-1

SURFACE ELEVATION NA DATE BEGAN 8/8/2002 LOGGED BY Rob Nelson

DRILLING METHOD 12" HSA DATE FINISHED 8/8/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PEMCO

0.5 feet below existing ground surface

Type of well cap: 4" X PVC
____ Locking
____ Other

12" diameter borehole 0 to 10.0 feet

0.7 — 1.0' Concrete

Type of well casing: 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 2 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0.5 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 4 1/2 Actual
____ Calculated

Comments: locking plug set on well casing (all wells)

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point / UCSF facility

PROJECT NO. 01-117.03

LOCATION UCSF facility
SURFACE ELEVATION NA
DRILLING METHOD 8"HSA
SAMPLING METHOD NA

BORING DEPTH 10.0'
DATE 8/8/2002
LOGGED BY Bob Nelson
EDITED BY
CHECKED BY

BORING NO. Ex-2
SHEET 1 OF 1

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0	ML		Sandy Silt with Gravel (ML) light brownish gray (2.5Y 6/2), very stiff, dry, 70% silt, 10% fine gravel, 20% fine sand
5.0			Becoming moist, olive gray (5Y 4/2) at ~5'
	SM		Silty Sand (SM), brown (10YR 4/3), loose, moist, 70% fine to coarse, subrounded ~~to subangular~~ subangular sand, 30% silt, micaceous; OVM ~~reads 2 on cutting~~ Gastech reads +1000% LEL (meter at maximum reading), faint odor on open borehole
10.0			
15.0			

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point Landfill
PROJECT NO. 01-117-03

LOCATION Hunters Point / UCSF facility BORING DEPTH 10.0 **BORING NO.** EX-2

SURFACE ELEVATION NA DATE BEGAN 8/8/2002 LOGGED BY Rob Nelson

DRILLING METHOD 8" HSA DATE FINISHED 8/8/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PENCO

0.5 feet below existing ground surface

Type of well cap: X 4" PVC
____ Locking
____ Other

8" diameter borehole 0 to 10.0 feet

0.7 – 1.0 Concrete

Type of well casing: 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 1 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0.5 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet
3/4 Sack

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 2 1/2 Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117.03

LOCATION UCSF Facility / Hunters Point BORING DEPTH 100 **BORING NO.** EX-3

SURFACE ELEVATION NA DATE 8/8/2002 SHEET 1 OF 1

DRILLING METHOD 8" HSA LOGGED BY Bob Nelson

SAMPLING METHOD EDITED BY

CHECKED BY

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0	ML		Sandy Silt with Gravel (ML) light brown gray (2.5Y 6/2) very stiff, dry, 70% silt, 10% fine gravel, 70% fine sand
5.0	SM		Silty Sand (SM), brown (10YR 4/3), loose, moist, 70% fine to coarse subrounded to subangular sand, 30% silt, micaceous, trace of shell fragments Gastech read 0-2% LEL on cuttings; 0% LEL at driller's location. Gastech read +100% LEL on top of open borehole; approx. 1/2 lb of dry ice was put in hole and allowed to offgas to remove methane from borehole before building well.
10.0			
15.0			

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point Landfill

PROJECT NO. 01-117-03

LOCATION Hunters Point BORING DEPTH 10.0 **BORING NO.** EX-3

SURFACE ELEVATION NA DATE BEGAN 8/8/2002 LOGGED BY Rob Nelson

DRILLING METHOD 8" HSA DATE FINISHED 8/8/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PEMCO

0.4 feet below existing ground surface

Type of well cap: X 4" PVC
____ Locking
____ Other

8" diameter borehole 0 to 10.0 feet

0.7' - 1.0' Cement

Type of well casing: X 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 1 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

4" Blank casing 0.4 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet
1 sack

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 2 Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

ITSI Innovative Technical Solutions, Inc.

PROJECT

PROJECT NO.

LOCATION Hunters Point
BORING DEPTH 10.0
BORING NO. EX-4
SURFACE ELEVATION NA
DATE 8/8/2002
SHEET 1 OF 1
DRILLING METHOD 8" HSA
LOGGED BY Bob Nolan
SAMPLING METHOD
EDITED BY
CHECKED BY

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0	GM		Silty Gravel with Sand (GM), grayish brown (2.5Y 5/2), loose, dry, very low plasticity, 70-80% fine to coarse subrounded to subangular gravel, 10% sand, 20% silt
	SM		Silty Sand (SM), very dark grayish brown (2.5Y 3/2), loose, dry to moist, 70-80% fine to coarse subangular to subrounded sand, 20-30% silt, micaceous, trace shell fragments and wood debris
5.0			~~PID~~ = 0 while drilling open borehole to 10.0' reads +1000% LEL, ~~[illegible]~~ PID reads 200 on open hole to 0'. Dry ice was added to borehole before installing well.
10.0			
15.0			

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117.03

LOCATION Hunters Point

BORING DEPTH 10.0

BORING NO. EX-4

SURFACE ELEVATION NA

DATE BEGAN 8/8/2002

LOGGED BY Rob Nelson

DRILLING METHOD 8" HSA

DATE FINISHED 8/8/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PEMCO

0.5 feet below existing ground surface

Type of well cap: X 4" PVC
___ Locking
___ Other

8" diameter borehole 0 to 10.0' feet

0.7' - 1.0' Concrete

Type of well casing: 4" X PVC
___ Stainless Steel
___ Other

Sacks of cement used: 1 Actual
___ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0.5 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet
1 Sack

Filter pack 4.0 to ~~6.0~~ 10.0 RN feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 2 Actual
___ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117.03

LOCATION Hunters Point
SURFACE ELEVATION NA
DRILLING METHOD 8" HSA
SAMPLING METHOD

BORING DEPTH 10.0
DATE 8/9/2002
LOGGED BY Bob Nelson
EDITED BY
CHECKED BY

BORING NO. EX5
SHEET 1 OF 1

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0			asphalt
	GM		Silty Gravel with Sand (GM), very dark grayish brown (10YR 3/2), medium dense, dry to moist, 50% fine to coarse subangular gravel, 25% medium sand, 25% silt, low plasticity
5.0			
	SM		Silty Sand (SM), very dark grayish brown (2.5Y 3/2), loose, dry to moist, 80% fine to coarse subangular to subrounded sand, 20% silt, micaceous, trace of shell fragments and wood debris
10.0			OVM reads 0 or open borehole to 10' Gastech reads 65% LEL or open borehole to 10' Gastech & OVM read zero while drilling. Dry ice was added to the borehole before building the well
15.0			

Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117.03

LOCATION Hunters Point / UCSF BORING DEPTH 10.0 **BORING NO.** EX-5

SURFACE ELEVATION NA DATE BEGAN 8/9/2002 LOGGED BY Rob Nelson

DRILLING METHOD 8" HSA DATE FINISHED 8/9/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PEMCO

0.5 feet below existing ground surface

Type of well cap: 4" PVC
___ Locking
___ Other

8" diameter borehole 0 to 10.0 feet

0.7'-1.0' concrete

Type of well casing: 4" PVC
___ Stainless Steel
___ Other

Sacks of cement used: 1 Actual
___ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0.5 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to ~~5.0~~ 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 1 1/2 Actual
___ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117-03

LOCATION UCSF Parking Hunters Point BORING DEPTH _____ **BORING NO.** EX-6

SURFACE ELEVATION NA DATE 8/9/2002 SHEET 1 OF 1

DRILLING METHOD HSA LOGGED BY Rob Nelson

SAMPLING METHOD _____ EDITED BY _____

CHECKED BY _____

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0			Asphalt
			Basecrock
		SM	Silty Sand to Poorly Graded Sand with Silt (SM) very dark grayish brown (2.5Y 3/2), loose, dry to moist, 85-90% fine to coarse subrounded sand, 10-15% silt, micaceous, trace of shell fragments and debris, Fill
5.0			
			LEL = 0% while drilling LEL = +100% in borehole after removing augers OVM = 0-2 ppm; no odor on open borehole to 10' dry ice was added to open borehole before building the well.
10.0			
15.0			

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point landfill

PROJECT NO. 01-117.03

LOCATION Hunters Point
BORING DEPTH 10.0
BORING NO. Ex-6
SURFACE ELEVATION N/A
DATE BEGAN 8/9/2002
LOGGED BY Rob Nelson
DRILLING METHOD 8" HSA
DATE FINISHED 8/9/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PEMCO

0.5 feet below existing ground surface

Type of well cap: 4" PVC
____ Locking
____ Other

8" diameter borehole 0 to 10.0 feet

0.7'-1.0' Concrete

Type of well casing: 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 2 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

4" Blank casing 0 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 1 1/2 Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117-03

LOCATION Hunters Point
BORING DEPTH 11.0
BORING NO. EX-7
SURFACE ELEVATION NA
DATE 8/9/2002
SHEET 1 OF 1
DRILLING METHOD 8" HSA
LOGGED BY Rob Nelson
SAMPLING METHOD NA
EDITED BY
CHECKED BY

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0	GM/GC		Silty Gravel with Sand to clayey gravel with Sand (GM/GC) brown (10YR 5/2), dense, dry to moist, low plasticity, 70% fine to coarse gravel, 15% sand, 15% silt: No odor, FILL OVM & Gastech = zero while drilling
5.0			
10.0	SM/SP		Silty Sand to Poorly graded Sand with Silt (SM/SP), very dark grayish brown (2.5Y 3/2), loose, dry to moist, 80% fine & coarse subrounded sand, 20% silt, micaceous, trace of shell fragments, FILL OVM = zero, Gastech = 0-1 %LEL while drilling at borehole ground level Gastech reads +100% LEL on open borehole, Methane meter read 4.8% CH_4 (maximum reading 5% & 10%) dry ice was added to borehole to lower LEL & O2 concentrations prior to constructing well.
15.0			

Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117-03

LOCATION Hunters Point

BORING DEPTH 10.0

BORING NO. EX-7

SURFACE ELEVATION NA

DATE BEGAN 8/9/2002

LOGGED BY Rob Nelson

DRILLING METHOD 8" HSA

DATE FINISHED 8/9/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PENCO

0.5 feet below existing ground surface

Type of well cap: 4" PVC
____ Locking
____ Other

8 diameter borehole 0 to 10.0 feet

0.7'–1.0' Concrete

Type of well casing: 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 1 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to ~~6.0~~ 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonaster

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: est 2 Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117.03

LOCATION Hunters Point
BORING DEPTH 10.0
BORING NO. EX-6
SURFACE ELEVATION NA
DATE 8/12/2002
SHEET 1 OF 1
DRILLING METHOD 8" HSA
LOGGED BY Bob Nelson
SAMPLING METHOD NA
EDITED BY
CHECKED BY

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0			asphalt
	CL		Gravelly lean Clay with Sand (CL), brown (10YR 4/3) stiff, dry to moist, 50% lean clay, 30% fine subangular gravel, 20% fine to medium sand, no odor, OVM & Geotech read zero while drilling
5.0			Geotech read 17% LEL on open borehole to 10.0' Dry ice was added to the borehole prior to installing the well.
10.0			
15.0			

Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117-03

LOCATION Hunters Point

BORING DEPTH 10.0

BORING NO. EX-8

SURFACE ELEVATION NA

DATE BEGAN 8/12/2002

LOGGED BY Bob Nelson

DRILLING METHOD 8" HSA

DATE FINISHED 8/12/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PENCO

0.5 feet below existing ground surface

Type of well cap: 4" PVC
____ Locking
____ Other

10" diameter borehole 0 to 10.0' feet

0.8'-1.0' Concrete

Type of well casing: 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 1/2 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0.5 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 1 1/2 Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117.03

LOCATION Hunters Point
SURFACE ELEVATION NA
DRILLING METHOD 8" HSA
SAMPLING METHOD NA

BORING DEPTH 10.0'
DATE 8/12/2002
LOGGED BY Rob Nelson
EDITED BY
CHECKED BY

BORING NO. EX-RN-9
SHEET 1 OF 1

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0			asphalt
	H		FILL: Gravelly lean clay with sand (GC), brown (10YR 4/3) medium stiff, dry to moist, 50% lean clay, 35% fine subangular gravel, 15% fine sand, no odor, OVM & CH4 meter reads zero
5.0			
			lean Clay (CL), Dark Olive gray (5Y 3/2), soft, moist, 85% lean clay, 15% very fine sand, trace of shell fragments, faint H2S odor
10.0			OVM & Gastech read zero during drilling, open borehole reads zero on OVM & gastech
15.0			

ITSI Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117-03

LOCATION Hunters Point / UCSF BORING DEPTH 10.0 **BORING NO.** EX-9

SURFACE ELEVATION N/A DATE BEGAN 8/12/2002 LOGGED BY Bob Nelson

DRILLING METHOD 8" HSA DATE FINISHED 8/12/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box PEMCO

0.5 feet below existing ground surface

Type of well cap: 4" PVC
____ Locking
____ Other

8" diameter borehole 0 to 10.0 feet

0.8'-1.0' Concrete

Type of well casing: 4' PVC
____ Stainless Steel
____ Other

Sacks of cement used: 1/2 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonestar

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: ____ Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of well at 10.0 feet

Bottom of borehole at 10.0 feet

Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117-03

LOCATION Hunters Point
BORING DEPTH 10.0
BORING NO. EX-10
SURFACE ELEVATION NA
DATE 8/12/2002
SHEET 1 OF 1
DRILLING METHOD 8" HSA
LOGGED BY Rob Nelson
SAMPLING METHOD NA
EDITED BY
CHECKED BY

DEPTH (FEET)	U.S.C.S.	LITHOLOGY	DESCRIPTION
0.0	GM		F.L. Silty Gravel with Sand (GM), dark brown (7.5 10YR 3/3), dense, dry, 50% coarse subangular gravel, 25% fine to medium sand, 25% silt, trace of metal debris OVM & Gastech reads zero when drilling
5.0			
	CH		Sandy Fat Clay (CH) dark olive gray (5Y 3/2), soft, moist (wet below 9'), highly plastic, 30% fine to medium sand, 70% clay OVM & Gastech read zero LEL when drilling. Gastech reads zero LEL on open bore @ 10.0'
10.0			
15.0			

Innovative Technical Solutions, Inc.

PROJECT Hunters Point
PROJECT NO. 01-117-03

LOCATION Hunters Point BORING DEPTH 10.0 **BORING NO.** EX-10

SURFACE ELEVATION NA DATE BEGAN 8/12/2002 LOGGED BY Rob Nelson

DRILLING METHOD 8" HSA DATE FINISHED 8/12/2002

BELOW GROUND COMPLETION

Existing ground surface

Type of Chisty Box REMCO

0.5 feet below existing ground surface

Type of well cap: 4" PVC
____ Locking
____ Other

10" diameter borehole 0 to 10.0 feet

0.8-1.0 Concrete

Type of well casing: 4" PVC
____ Stainless Steel
____ Other

Sacks of cement used: 1/2 Actual
____ Calculated

Cement/bentonite grout 1.0 to 2.0 feet

Blank casing 0.5 to 5.0 feet

Bentonite seal 2.0 to 4.0 feet

Filter pack 4.0 to 10.0 feet

Filter pack 1.0 feet above top of slotted casing

Type of filter pack #3 Lonaston

0.020 inch slotted casing 5.0 to 10.0 feet

Sacks of filter pack used: 1 1/2 Actual
____ Calculated

Comments:

Silt trap X to X feet

Bottom of borehole at 10.0 feet

Bottom of well at 10.0 feet

Innovative Technical Solutions, Inc.

PROJECT Hunters Point

PROJECT NO. 01-117.03

Tetra Tech EM Inc.

Log of Boring: GMP01

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 18.23
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG01.
1							CL	SANDY CLAY: dark gray (10YR 4/1); 70% lean clay; 30% sand, increasing to well graded; decrease in moisture content	
2									
3									
4									
5									
6									
7									
8							SC	Well-graded CLAYEY SAND: dark bluish gray (5B 4/1); increase in moisture content; occasional gravel	
9									
10									
11									
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: 10:30
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

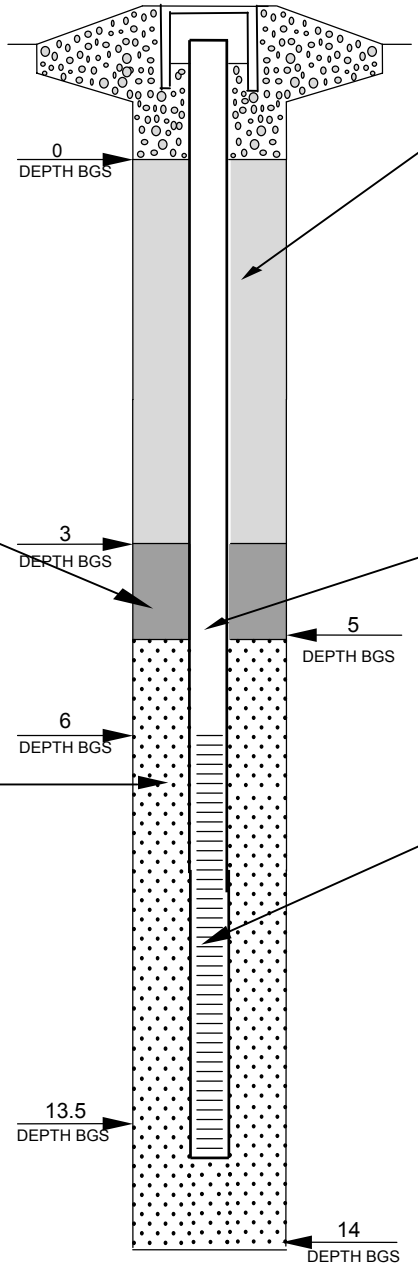
VOLUME CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

VOLUME CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☐ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP01
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

VOLUME CALCULATED: _____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: 12 GALLONS
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP01A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 18.80
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: GMP01A IS A REPLACEMENT FOR GMP01. LITHOLOGY IS FROM BORING SG01.
1							CL	SANDY CLAY: dark gray (10YR 4/1); 70% lean clay; 30% sand, increasing to well graded; decrease in moisture	
2									
3									
4									
5									
6									
7									
8							SC	Well-graded CLAYEY SAND: dark bluish gray (5B 4/1); increase in moisture content; occasional gravel	
9									
10									
11									
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: 13:50
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

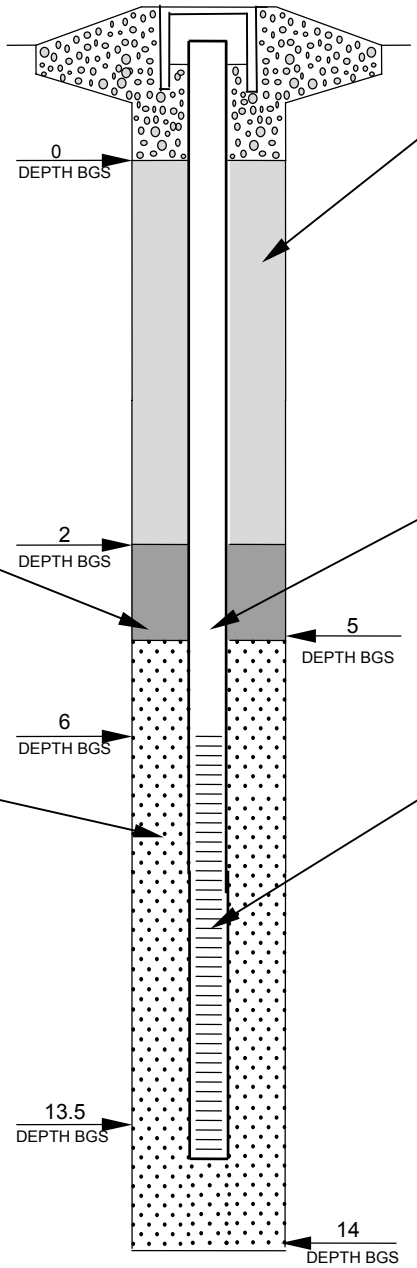
VOLUME CALCULATED: ____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: ____

FILTER PACK

VOLUME CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☐ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP01A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP02

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 17.91
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG02.
1							cl	SANDY CLAY with organic matter (grass): dark grayish brown (10YR 4/2)	
2								SANDY CLAY with gravel: very dark gray (10YR 3/1); 20% gravel (up to 1-inch diameter)	
3									
4									
5									
6									
7									
8								SANDY CLAY with gravel: dark greenish gray (5BG4/1); 20% gravel; 10% sand - 20% well graded	
9									
10									
11									
12									
13									
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: 11:25
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

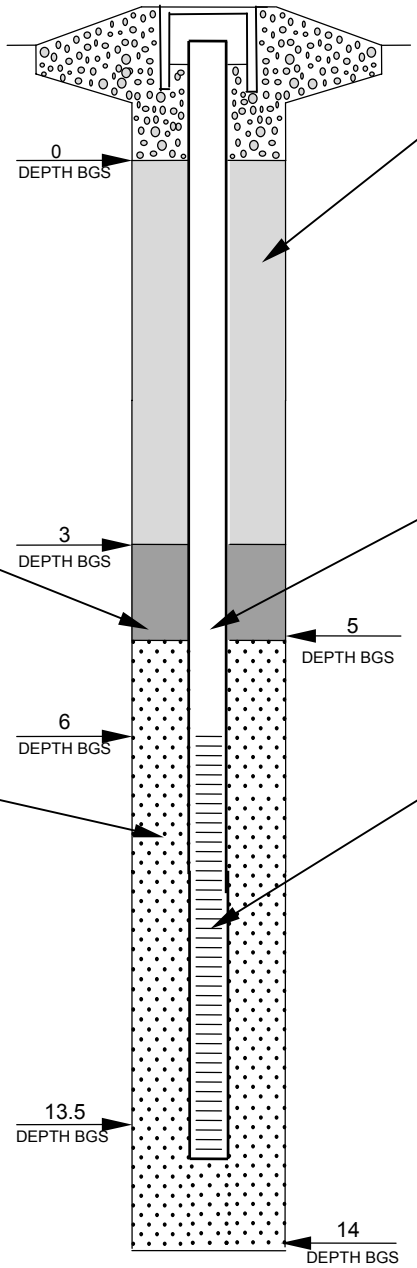
VOLUME CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

VOLUME CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP02
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: 12 GALLONS
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP02A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 18.60
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: GMP02A IS A REPLACEMENT FOR GMP02. LITHOLOGY IS FROM SG02 BORING.
1							CL	SANDY CLAY with organic matter (grass): dark grayish brown (10YR 4/2)	
2								SANDY CLAY with gravel: very dark gray (10YR 3/1); 20% gravel (up to 1-inch diameter)	
3									
4									
5									
6									
7									
8								SANDY CLAY with gravel: dark greenish gray (5BG 4/1); 20% gravel; 10% sand - 20% well graded	
9									
10									
11									
12							SW	Well-graded SAND with gravel and clay: brown (10YR 4/2); saturated at 13 feet; 10% gravel; 10% clay	
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: 15:20
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

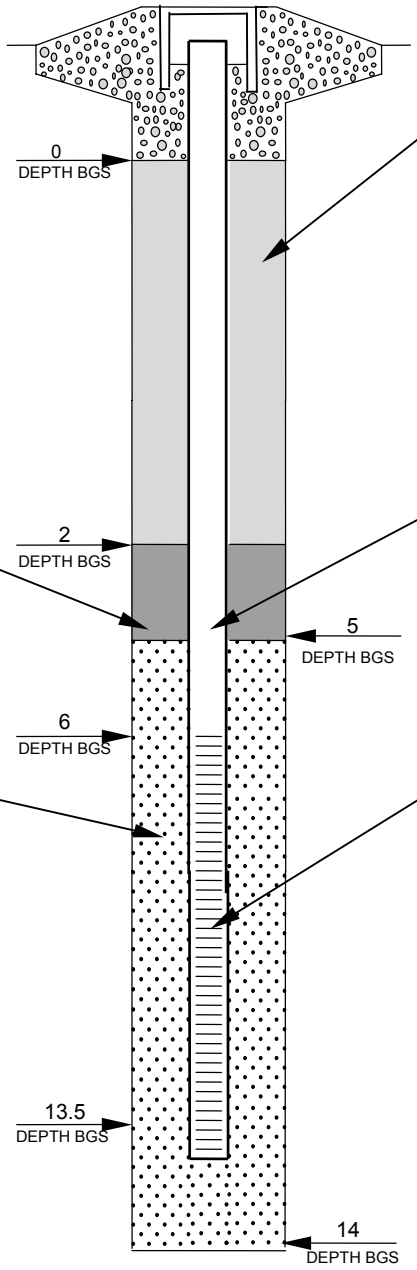
VOLUME CALCULATED: ____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP02A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP03

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 18.43
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG03.
0							CL	SANDY CLAY with organic matter (grass): dark grayish brown(10YR 4/2)	
1								SANDY CLAY with gravel: dark gray (10YR 4/1); 10% gravel (up to 1-inch diameter)	
2							SC	CLAYEY SAND with gravel: dark bluish gray (5B 4/1); 30% clay; 25% gravel	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

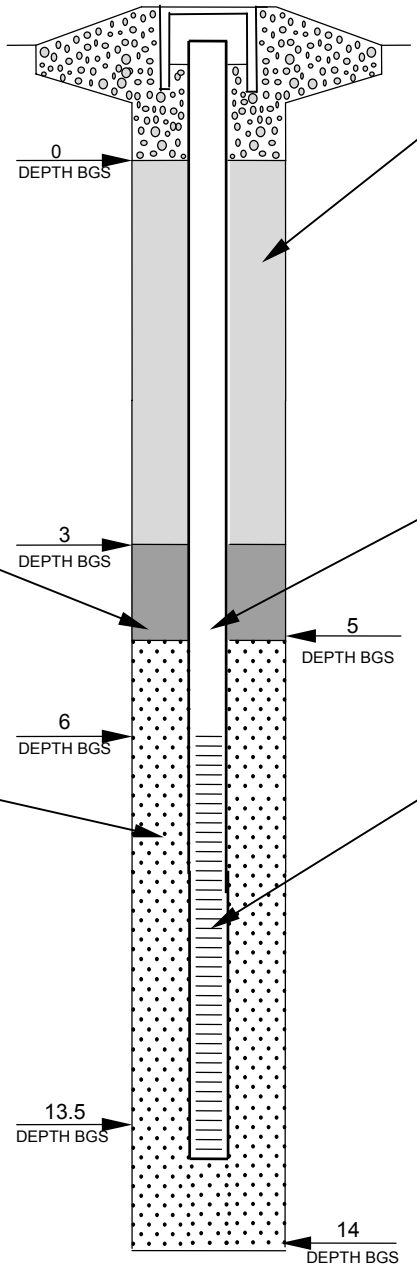
VOLUME CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP03
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: 12 GALLONS
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP03A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 17.50
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0							CL	SANDY CLAY with organic matter (grass): dark grayish brown (10YR 4/2)	NOTE: GMP03A IS A REPLACEMENT FOR GMP03. LITHOLOGY WAS LOGGED FROM BORING SG03.
1								SANDY with gravel: dark gray (10YR 4/1); 10% gravel (up to 1-inch diameter)	
2							SC	CLAYEY SAND with gravel: dark bluish gray (5B 4/1); 30% clay; 25% gravel	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
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34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

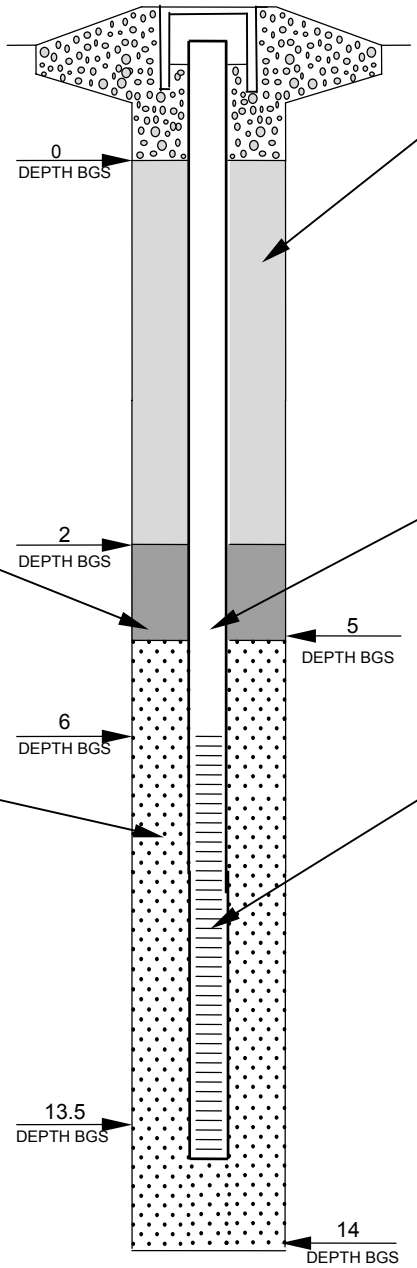
VOLUME CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP03A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP04

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.51
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG04.
1							CL	CLAY with sand: dusky red (2.5YR 4/2); fine-grained sand	
2								SANDY CLAY with gravel: dark gray (7.5YR 4/1); fine- to medium-grained sand	
3									
4								CLAY with sand: brown (7.5YR 4/4); slightly moist; fine- to medium-grained sand	
5								SANDY CLAY with gravel: dark gray (7.5YR 4/1); slightly moist; 30 to 40% fine- to medium-grained sand	
6									
7									
8							SC	Increase in sand content to a CLAYEY SAND: greenish gray (5G/5/i); slightly moist, increasing to moist	
9									
10							CL	CLAY with sand: very dark grayish brown (10YR 3/2); moist; 10% fine-grained sand	
11									
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
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34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: 13:45
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

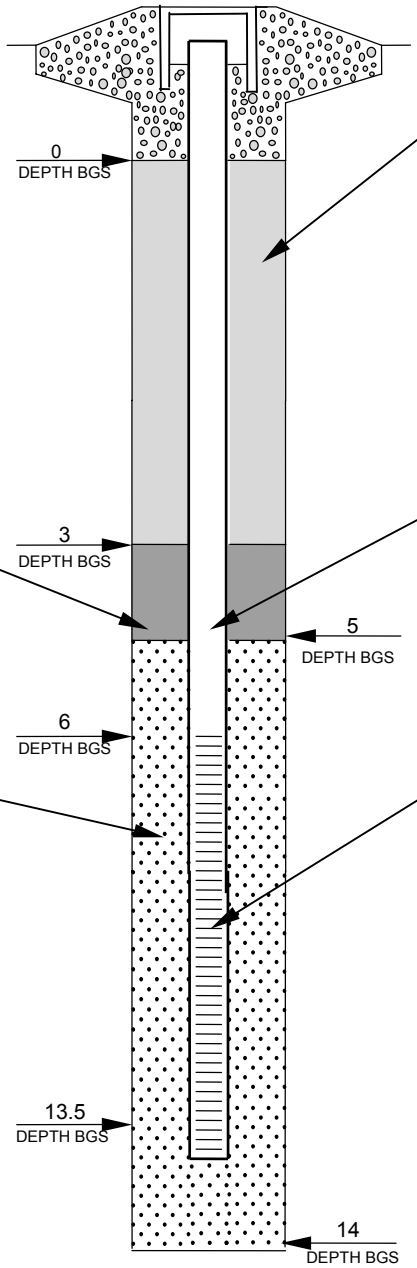
VOLUME CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP04
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP04A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.60
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	NOTE: GMP04A IS A REPLACEMENT FOR GMP04. LITHOLOGY IS FROM BORING SG04.
0–8							CL	CLAY with sand: dusky red (2.5YR 4/2); fine-grained sand SANDY CLAY with gravel: dark gray (7.5YR 4/1); fine- to medium-grained sand CLAY with sand: brown (7.5YR 4/4); slightly moist; fine- to medium-grained sand SANDY CLAY with gravel: dark gray (7.5YR 4/1); slightly moist; 30 to 40% fine- to medium-grained sand	
8–10							SC	Increase in sand content to CLAYEY SAND: greenish gray (5G/5/i); slightly moist, increasing to moist	
10–14							CL	CLAY with sand: very dark grayish brown (10YR 3/2); moist; 10% fine-grained sand	
14								Total depth of boring = 14 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: 10:35
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

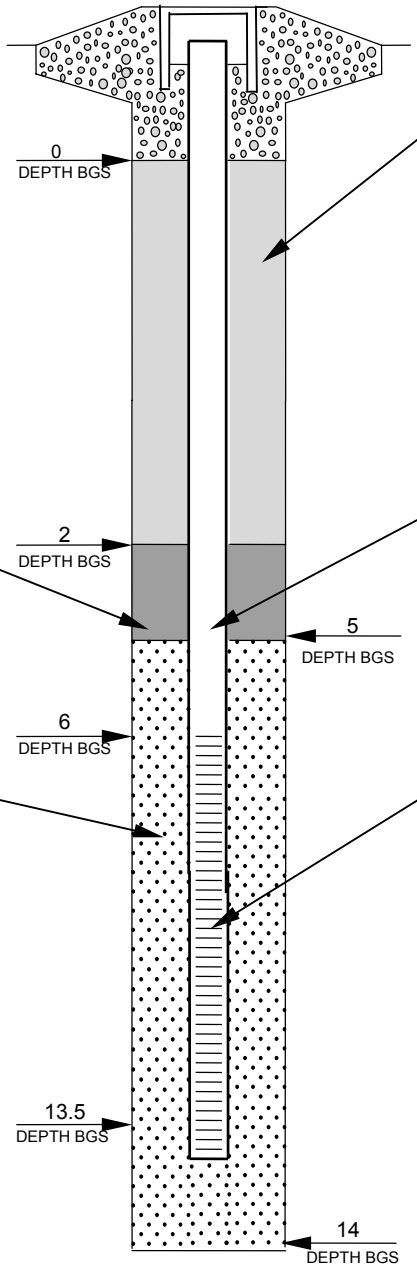
VOLUME CALCULATED: ____
AMOUNT USED: 1
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP04A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP05

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH EMI
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 14.51
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
							SC	Well-graded CLAYEY SAND: dark gray (10YR 4/1); moist	
1							CL	SANDY CLAY: very dark grayish brown (2.5Y 3/2); slightly moist; more fine- to medium-grained sand, subangular to subrounded	
2									
3									
4								SANDY CLAY: dark gray (5Y 4/1); with occasional gravel	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14								Boring not logged from 12 to 14 feet Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 14:25
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

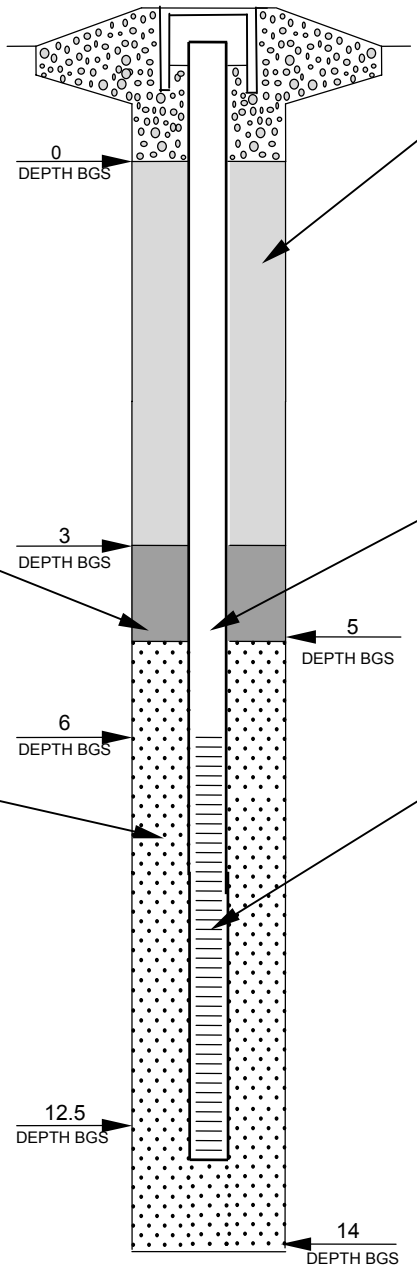
VOLUME CALCULATED: ____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP05
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: 12 GALLONS
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP05A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL):
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 13.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: GMP05A IS A REPLACEMENT WELL FOR GMP05. LITHOLOGY IS FROM BORING SG05A.
							SC	Well-graded CLAYEY SAND: dark gray (10YR 4/1); moist	
1							CL	SANDY CLAY: very dark grayish brown (2.5Y 3/2); slightly moist; more fine- to medium-grained sand; subangular to subrounded	
2									
3									
4								SANDY CLAY: dark gray (5Y 4/1); with occasional gravel	
5									
6									
7									
8									
9									
10									
11									
12								Boring not logged from 12 to 13 feet	
13								Total depth of boring = 13 feet	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: 11:18
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

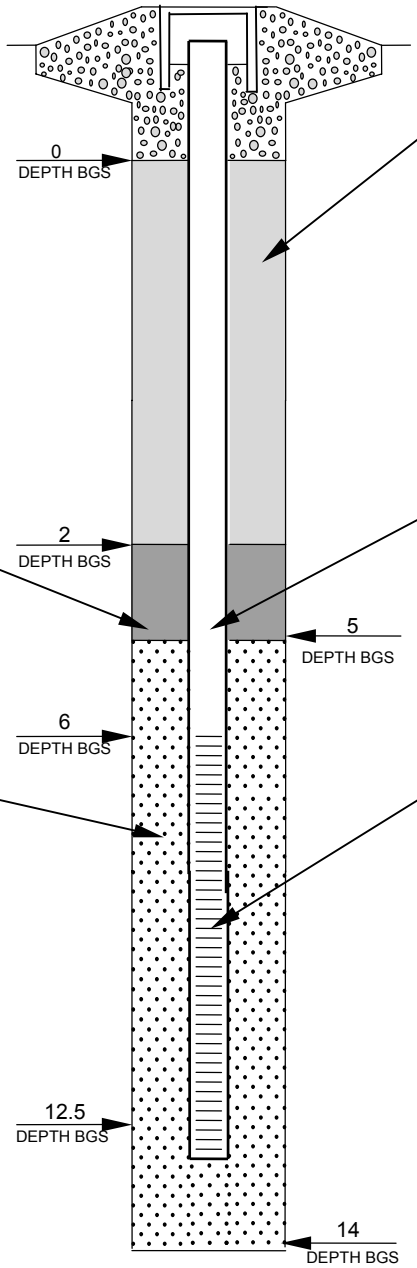
AMOUNT CALCULATED: N/A
AMOUNT USED: 75 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/12
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP05A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 13 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.16 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP05B

Logged By: KATHY VENDENHEUVEL
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 15.40
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 11/25/02
Completed: 11/25/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches):

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: GMP05B IS A REPLACEMENT FOR GMP05A. LITHOLOGY IS FROM BORING SG05A.
							SC	Well-graded CLAYEY SAND: dark gray (10YR 4/1); moist	
1							CL	SANDY CLAY: very dark grayish brown (2.5Y 3/2); slightly moist; more fine- to medium-grained sand; subangular to subrounded	
2									
3								SANDY CLAY: dark gray (5Y 4/1); with occasional gravel	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13								Boring not logged from 12 to14 feet	
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
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35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 14:25
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

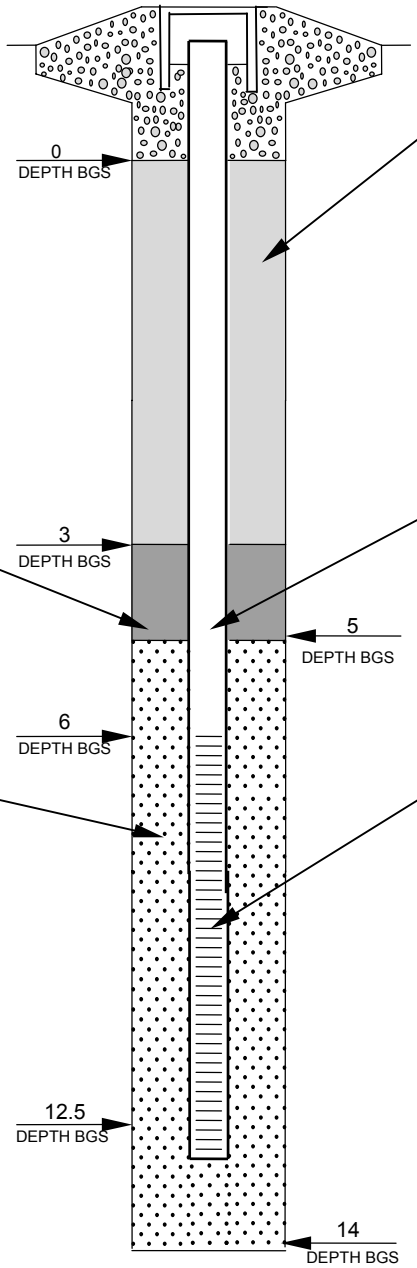
AMOUNT CALCULATED: ____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 250 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP05B
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: 12 GALLONS
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP06

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 17.03
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG06.
0–3							SC	CLAYEY SAND: very dark grayish brown (2.5Y 3/2); slightly moist; fine- to medium-grained sand; subangular to subrounded	
3–8							CL	LEAN CLAY: reddish brown (3.5Y 4/4); 5 to 10% fine-grained sand; color changes tovery dark grayish brown (2.5Y 3/2); increase in sand content Decreasing sand content to about 20%	
8–14							SC	CLAYEY SAND with gravel: very dark gray (N3/); slightly moist; gravel and sand are serpentinite in content; sand is well graded; gravel up to 1-inch diameter; no staining	
14								Total depth of boring = 14 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 15:00
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

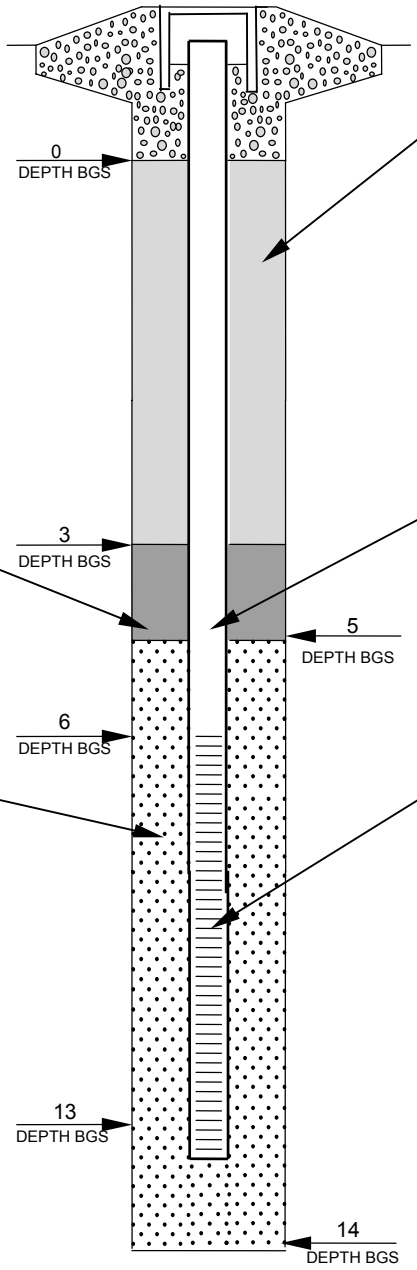
AMOUNT CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
WATER LEVEL: 12 FEET

SURFACE COMPLETION

☐ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
☐ CONCRETE ☐ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP06
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
☐ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP06A

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL):
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0–3							SC	CLAYEY SAND: very dark grayish brown (2.5Y 3/2); slightly moist; fine- to medium-grained sand; subangular to subrounded	NOTE: GMP06A IS A REPLACEMENT FOR GMP06. LITHOLOGY IS FROM BORING SG06.
3–8							CL	LEAN CLAY: reddish brown (3.5Y 4/4); 5 to 10% fine-grained sand; color changes to very dark grayish brown (2.5Y 2/3); increase in sand content Decreasing sand content to about 20%	
8–14							SC	CLAYEY SAND with gravel: very dark grey; slightly moist; gravel and sand are serpentinite in content; sand is well graded; gravel up to 1-inch diameter	
14								Total depth of boring = 14 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

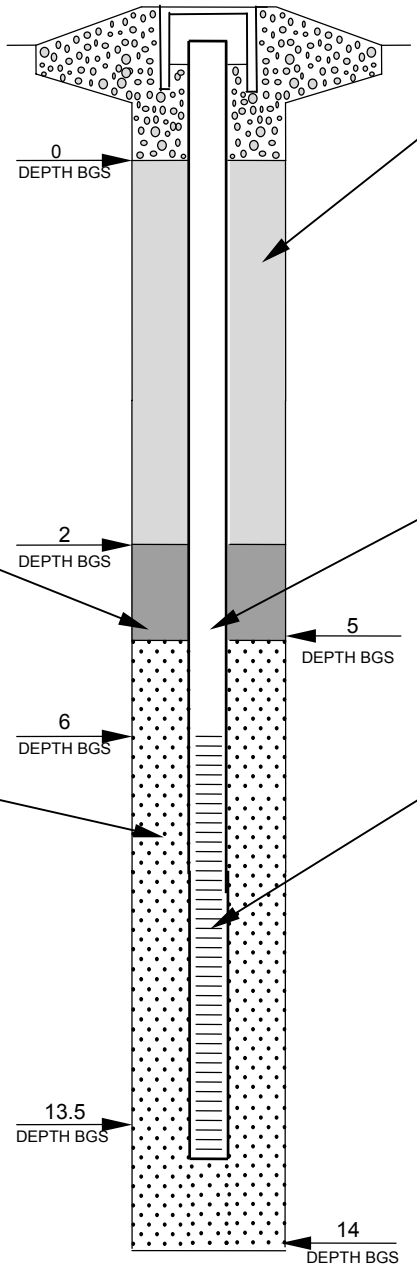
AMOUNT CALCULATED: _____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 12 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP06A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP06B

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 15.10
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 11/25/02
Completed: 11/25/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	NOTE: GMP06B IS A REPLACEMENT FOR GMP06A. LITHOLOGY IS FROM BORING SG06.
0–3							SC	CLAYEY SAND: very dark grayish brown (2.5Y 3/2); slightly moist; more fine- to medium-grained sand; subangular to subrounded	
3–8							CL	LEAN CLAY: reddish brown (3.5Y 3/2); 5 to 10% fine-grained sand; color changes to very dark grayish brown (2.5Y 3/2); increase in sand content Decreasing sand content to about 20%	
8–14							SC	CLAYEY SAND with gravel: very dark gray (N3/); slightly moist; gravel and sand are serpentinite in content; sand is well graded; gravel up to 1-inch diameter; no staining	
14								Total depth of boring = 14 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 11/25/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 11/25/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 11/25/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

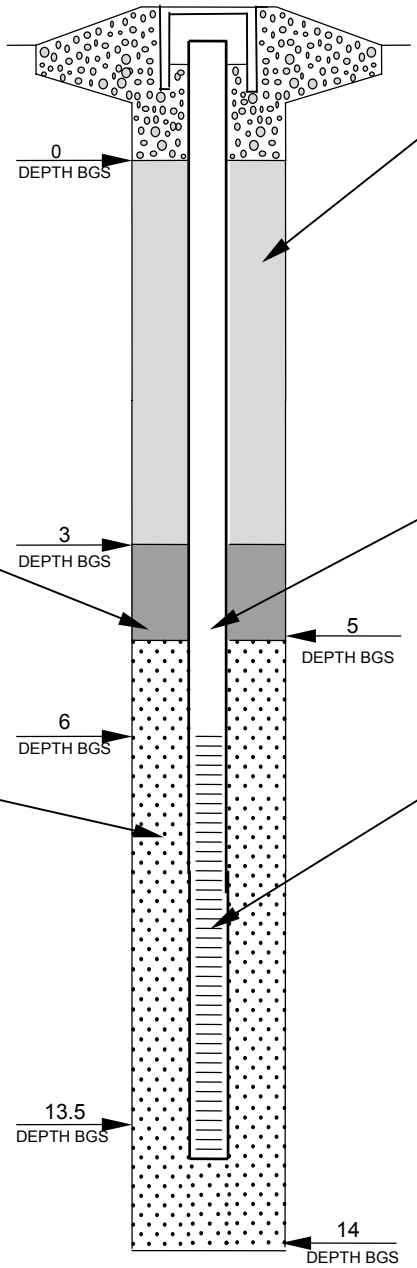
AMOUNT CALCULATED: _____
AMOUNT USED: _____
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 150 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 12 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP06B
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP07

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.90
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG07.
								Asphalt and concrete	
1									
2							CL	Black staining at 1.5 to 2.0 feet CLAY with gravel: 1.5-foot lens of clay contains more gravel; approximately 10% fine-grained gravel; slightly moist; no staining	
3									
4									
5									
6									
7								SANDY CLAY: reddish brown (5YR 4/4); slightly moist; approximately 20% fine- to medium-grained sand; occasional fine gravel; 2-inch lens of fine-grained sand (light gray) at 4.25 feet	
8									
9							GR	Increasing gravel content at 9.5 to 10.5; lens of gravel (serpentinite)	
10							CL	SANDY CLAY: very dark (N3/); slightly moist; 70% clay; 30% fine-grained sand; no staining; occasional gravelly layer (about 1 to 2 inches thick); soils saturated at about 11 feet	
11									
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 15:00
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

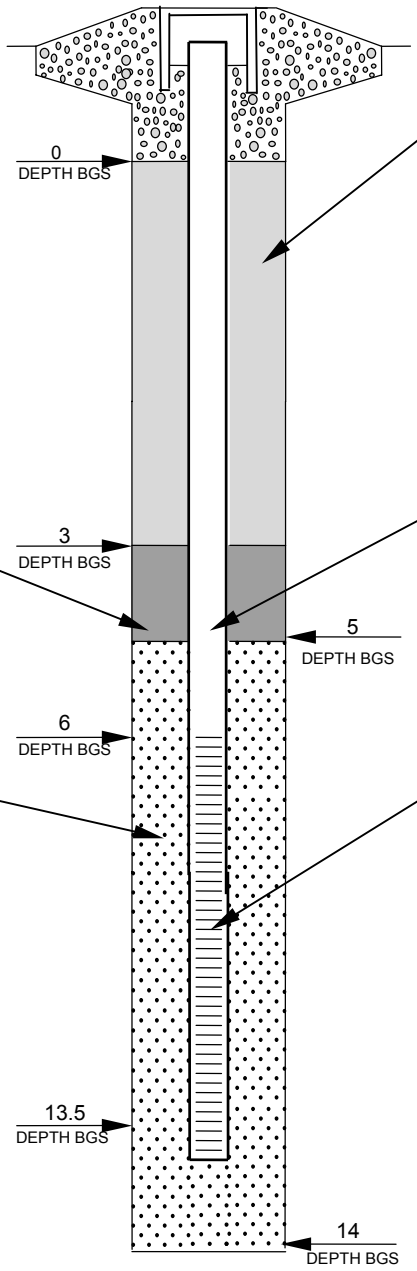
AMOUNT CALCULATED: _____
AMOUNT USED: _____
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: _____
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

☐ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
☐ CONCRETE ☐ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP07
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
☐ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP07A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 15.20
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0							CL	CLAY: black staining from 1.5 to 2 feet; reddish brown (5YR 4/4); slightly moist; about 20% fine- to medium-grained sand; occasional fine gravel; 2-inch lens of fine-grained sand (light gray) at 4.25 feet	NOTE: GMP07A IS A REPLACEMENT FOR GMP07. LITHOLOGY IS FROM BORING SG07.
1									
2									
3									
4									
5								CLAY with gravel: slightly moist; clay lens from 5.5 to 7 feet containing about 10% fine-grained gravel	
6									
7									
8								CLAYwith gravel: very slightly moist; no staining	
9									
10							GR	GRAVEL: Increasing gravel content At 9.5 to 10.5 feet: gravel lens serpentinite)	
11							CL	SANDY CLAY: very dark gray (N3/); slightly moist; 70% clay; 30% fine-grained; sand; no staining; occasional gravelly layer (about 1 to 2 inches thick); saturated at about 11 feet	
12									
13					▽				
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: 13:10
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

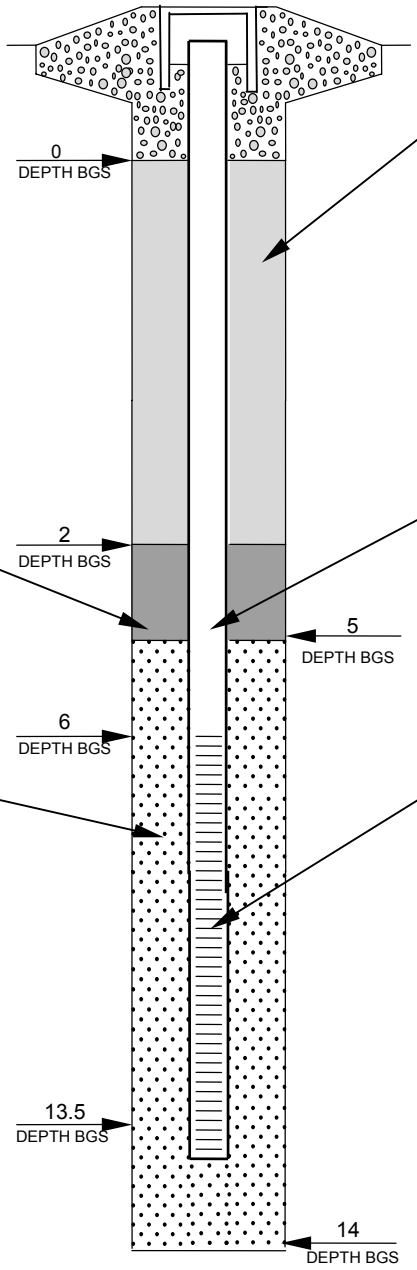
AMOUNT CALCULATED: ____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 14 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP07A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP08

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.68
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/16/02
Completed: 04/16/02
Boring Depth (feet bgs): 13.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM SG08 BORING.
0–3							CL	SANDY CLAY: dark yellowish brown (10YR 3/4); 60% lean clay; 40% fine sand	
3							SP	Poorly graded SAND: coarse-grained, subangular to subrounded	
3–7							CL	LEAN CLAY with sand: dark yellowish brown (10YR 4/4); slightly moist; about 10% fine-grained sand; no staining LEAN CLAY: dark reddish brown (5YR 3/4); 2-inch lens of blackish soil at 4.75 feet	
7–9							SC	CLAYEY SAND: greenish gray (5GY 5/1); slightly moist; about 30% lean clay; serpentinite in content	
9–10							CL	LEAN CLAY: dark reddish brown (5YR 3/4) slightly moist.	
10–11							SP	Poorly graded SAND: light gray (10YR 4/2); 100% fine-grained sand; some fines	
11–13					▽		CL	Lens of slightly sandier material: (20% fine sand) then lean clay from 11 to 16 feet; soils saturated at 13.5 feet	
13								Total depth of boring = 13 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/16/02 TIME: 08:00
WELL INSTALLATION BEGAN:
DATE: 04/16/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 04/16/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

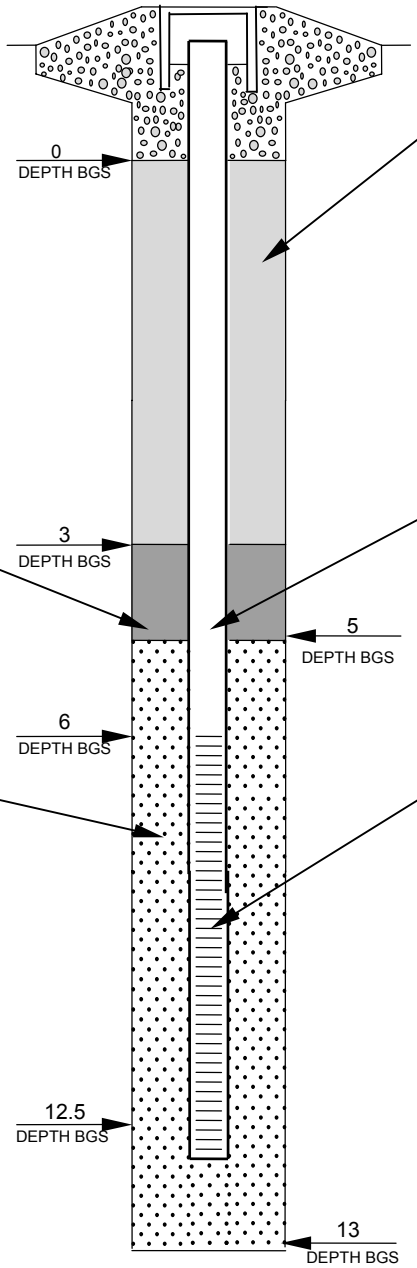
AMOUNT CALCULATED: ____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 13 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 12.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP08
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 13 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP08A

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 13.10
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/12/02
Completed: 09/12/02
Boring Depth (feet bgs): 12.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
							CL	SANDY CLAY: very dark brown (10YR 3/1); very slightly moist; 30% sand; occasional gravel	NOTE: GMP08A IS A REPLACEMENT FOR GMP08. LITHOLOGY IS FROM BORING SG08.
4							SC		
							CL	CLAYEY SAND: greenish gray (5G 5/1); fine- to medium-grained	
5								SANDY CLAY: greenish gray (5BG 4/1); occasional gravel	
6		14						Poor recovery from 8 to 12 feet due to cobble/boulder	
10									
11		24							
12								Total depth of boring = 12 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/12/02 TIME: 08:00
WELL INSTALLATION BEGAN:
DATE: 09/12/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 09/12/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

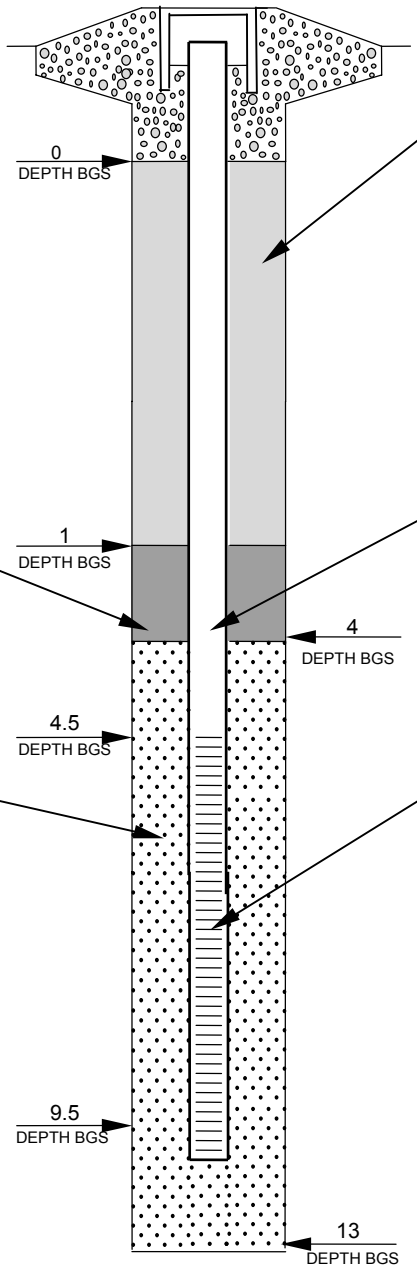
AMOUNT CALCULATED: _____
AMOUNT USED: _____
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: 0.75 INCHES, MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 4 FEET BGS OD: 12 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 10 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP08A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 12 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP09

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 10.46
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/16/02
Completed: 04/16/02
Boring Depth (feet bgs): 10.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0							CL	LEAN CLAY with sand: dark yellowish brown (10YR 3/4); slightly moist; about 10% fine-grained sand; slightly moist	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG09.
1									
2								SANDY CLAY: dark grayish brown (2.5Y 4/2); slightly moist; about 20% fine- to coarse-grained sand; occasional gravel	
3									
4									
5									
6									
7							SP	Poorly graded SAND: olive (5Y 4/3); fine-grained	
							CL		
8								LEAN CLAY: dark yellowish brown (10YR 3/4); very little to no sand	
9					▽			SANDY CLAY: slightly moist; increasing clay content with depth	
10								Total depth of boring = 10 feet	
11									
12									
13									
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16									
17									
18									
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35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/16/02 TIME: 08:30
WELL INSTALLATION BEGAN:
DATE: 04/16/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 04/16/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

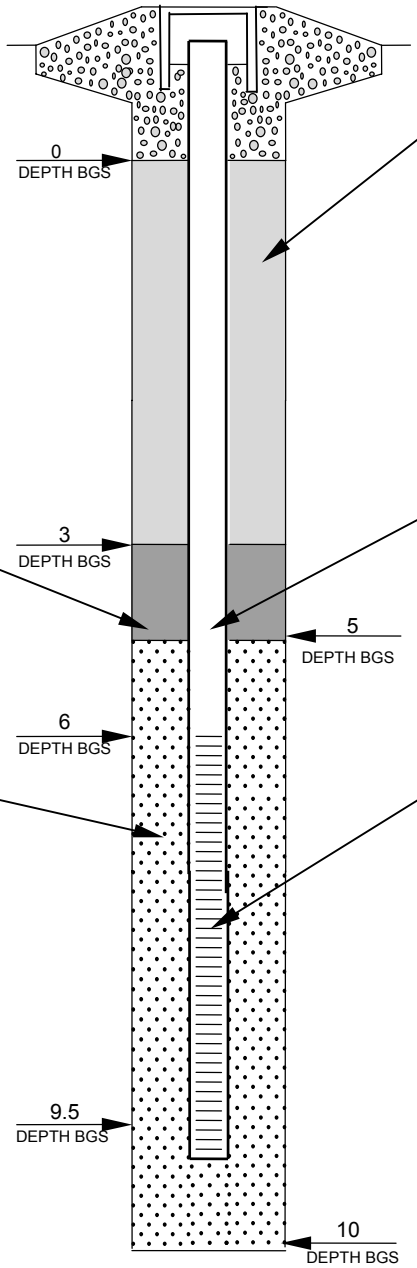
AMOUNT CALCULATED: ____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 175 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 10 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 9 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP08A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 10 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 3.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP10

Logged By: KATHY VANDENHEUVEL
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 11.83
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 7.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG23.
							SW		
1							SC	Well-graded SAND: dark grayish brown (10 YR 4/2)	
2								CLAYEY SAND with gravel: very dark gray (10YR 3/1); slightly moist	
3							SW		
4							CL	Well-graded SAND with clay and gravel: reddish brown (5YR4/3); 100% clay; 40% gravel (up to 1-inch diameter)	
5								SANDY LEAN CLAY with gravel: brown (10YR 4/3); color changes to very dark gray (10YR 3/1)	
6					▽				
7								Total depth of boring = 7 feet	
8									
9									
10									
11									
12									
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TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 09:00
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

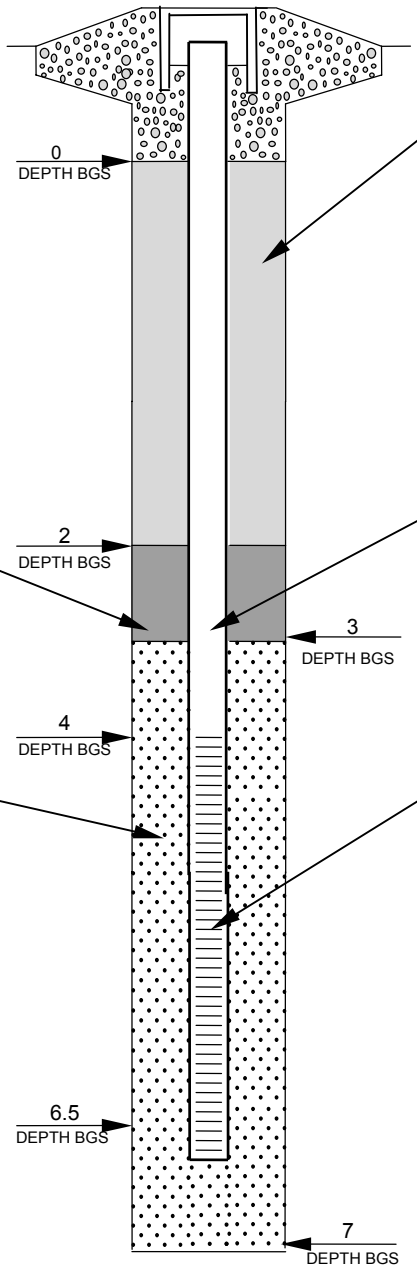
AMOUNT CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 2.5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 175 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 3 FEET BGS OD: 7 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 6.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP09
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 7 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 2.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP11

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 14.94
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 6.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0							CL	LEAN CLAY with sand: very dark grayish brown (10YR 3/2); moist; 10% sand; sand lens at 3.5 feet for 2 inches in depth	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG24.
1									
2									
3								Soil saturated at 4 feet	
4									
5								Refusal at 6 feet; concrete chunks in sampler shoe	
6								Total depth of boring = 6 feet	
7									
8									
9									
10									
11									
12									
13									
14									
15									
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TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 09:36
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

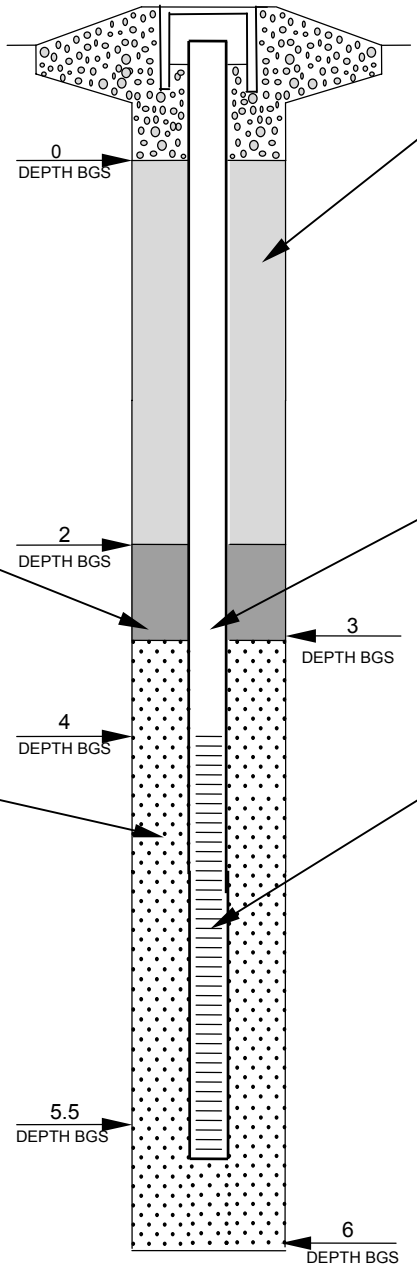
AMOUNT CALCULATED: _____
AMOUNT USED: 10 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 175 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 3 FEET BGS OD: 6 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP11
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 6 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 1.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP11A

Logged By: KATHY VENDENHEUVAL
Logging Consultant: TTEMI
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.30
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 11/25/02
Completed: 11/25/02
Boring Depth (feet bgs): 6.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: GMP01A IS A REPLACEMENT FOR GMP11. LITHOLOGY IS FROM BORING SG24.
1							CL	LEAN CLAY with sand: very dark grayish brown (10YR 3/2); moist; 10% sand; sand lens at 3.5 feet for 2 inches in depth	
2									
3								Soil saturated at 4 feet	
4									
5								Groundater not encountered; refusal at 6 feet; concrete chunks in sampler shoe	
6								Total depth of boring = 6 feet	
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
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32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 11/25/02 TIME: _____
WELL INSTALLATION BEGAN:
DATE: 11/25/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 11/25/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

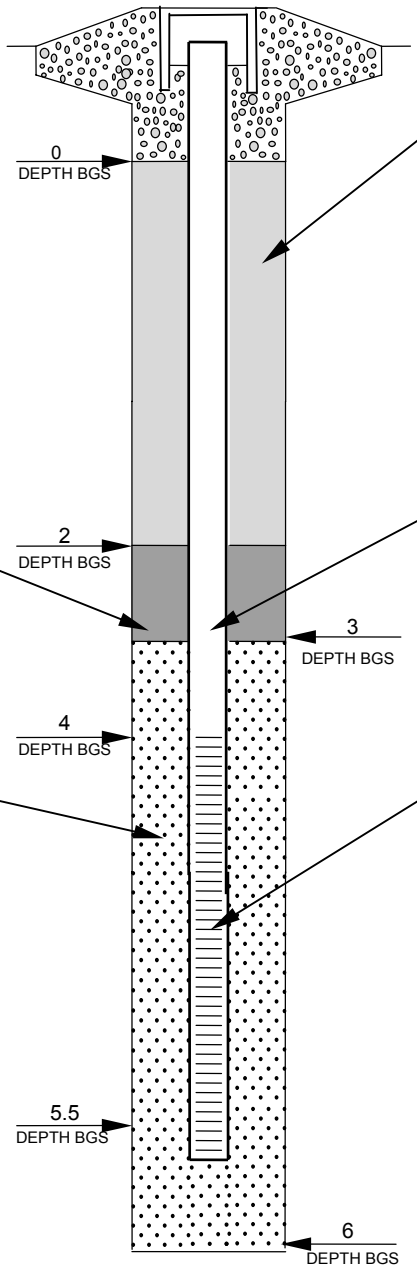
AMOUNT CALCULATED: _____
AMOUNT USED: 10 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 75 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 3 FEET BGS OD: 6 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP11A
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 6 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 1.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP12

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 17.32
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 04/15/02
Completed: 04/15/02
Boring Depth (feet bgs): 13.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0							CL	Well-graded SANDY CLAY: dark gray; slightly moist, increasing in moisture content; 30% sand	NOTE: LITHOLOGY WAS LOGGED FROM BORING SG25.
1									
2									
3									
4									
5									
6									
7									
8								Interbedded green and brown sand lenses from 8 to 12 feet	
9									
10									
11									
12									
13									
14								Total depth of boring = 13.5 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
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35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 04/15/02 TIME: 10:00
WELL INSTALLATION BEGAN:
DATE: 04/15/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 04/15/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

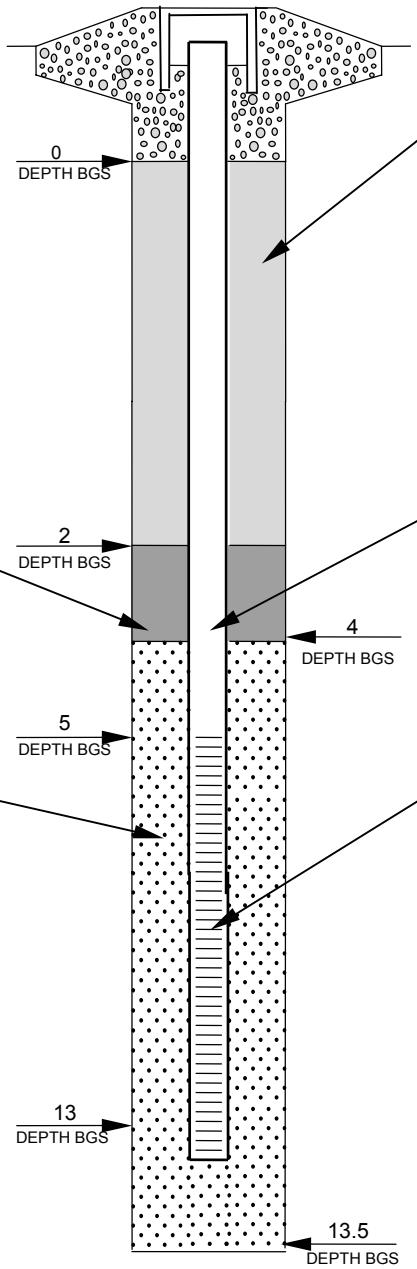
AMOUNT CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 4 FEET BGS OD: 13.5 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP12
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 13.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 8 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP13

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 22.60
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 19.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
								Ground Surface	
0–1		9					SP	3-Inch asphalt and road base	
1–2		9						FILL: poorly graded sand with clay and gravel	
2–3		9						CLAY and gravel: brown; moist; medium- to fine-grained sand; about 10% fine sand, with 60% medium-grained gravel	
3–4		9					SC	CLAY and gravel: gravels are serpentine and chert in content	
4–5		9							
5–6		9					CL	CLAYEY SAND: yellowish brown; moist; 70% fine-grained sand; 30% clay	
6–7		18							
7–8		18							
8–9		18							
9–10		18							
10–11		18						LEAN CLAY: yellowish brown; 90% lean clay 10% sand; occasional gravel	
11–12		18							
12–13		18							
13–14		18					KF	Serpentinite bedrock: slightly weathered, very hard	
14–15		18							
15–16		18							
16–17		18							
17–18		18							
18–19		18							
19–20								Total depth of boring = 19.5 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 08:00
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

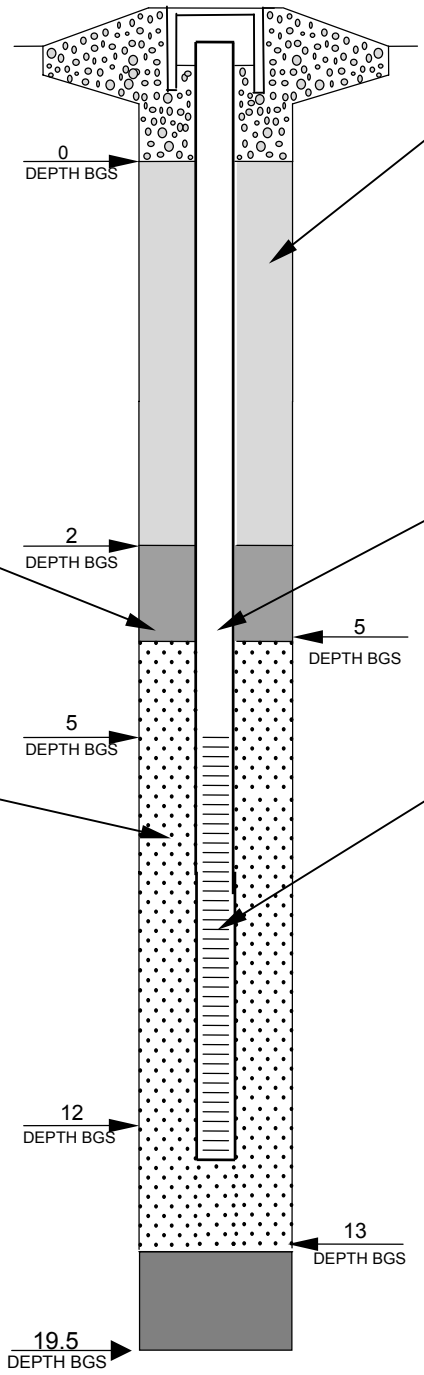
AMOUNT CALCULATED: _____
AMOUNT USED: _____
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: 0.75 INCHES, MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 150 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5 FEET BGS OD: 13.0 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 12 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP13
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: 60 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 6 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP14

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 21.70
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 10.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1		18					CL	3-Inch asphalt and road base	
2		18						SANDY CLAY with gravel: dark brown; 65% clay; 30% fine-grained sand; 5% gravel	
3							SC	CLAYEY SAND with gravel: dark brown to black; slightly moist; 60% medium- to firm sand; 30% lean clay; 60% serpentine gravels, with grain from serpentine	
4		6							
5		9							
6									
7		0							
8		18							
9									
10		0							
11								Total depth of boring = 10.5 feet	
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 09:12
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

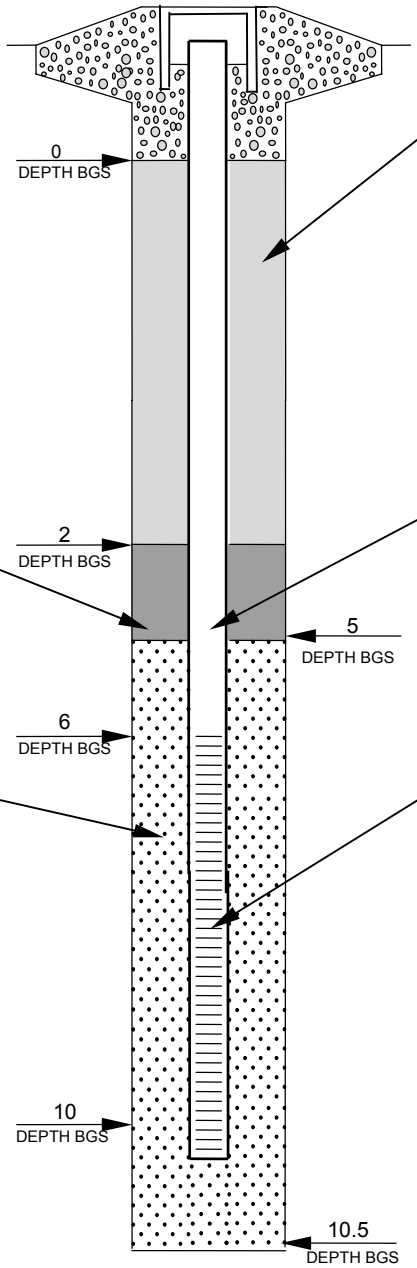
AMOUNT CALCULATED: _____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 50 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5.5 FEET BGS OD: 10.5 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 9 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP14
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 10.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 4 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP15

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 19.90
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 12.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							SP	0-3-Inch asphalt and road base	
2								FILL, poorly graded SAND with clay and gravel: dark brown; 70% medium- to fine-grained sand; 20% clay; 10% gravel	
3									
4									
5									
6		13							
7									
8							GP	Poor recovery due to gravel lens at 8 to 10 feet; subrounded to subangular; gravel is medium- to fine-grained.	
9		4							
10							KF	Soil saturated	
11		13						BEDROCK: serpentine and chert, very hard	
12									
13								Total depth of boring = 12.5 feet	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 09:46
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

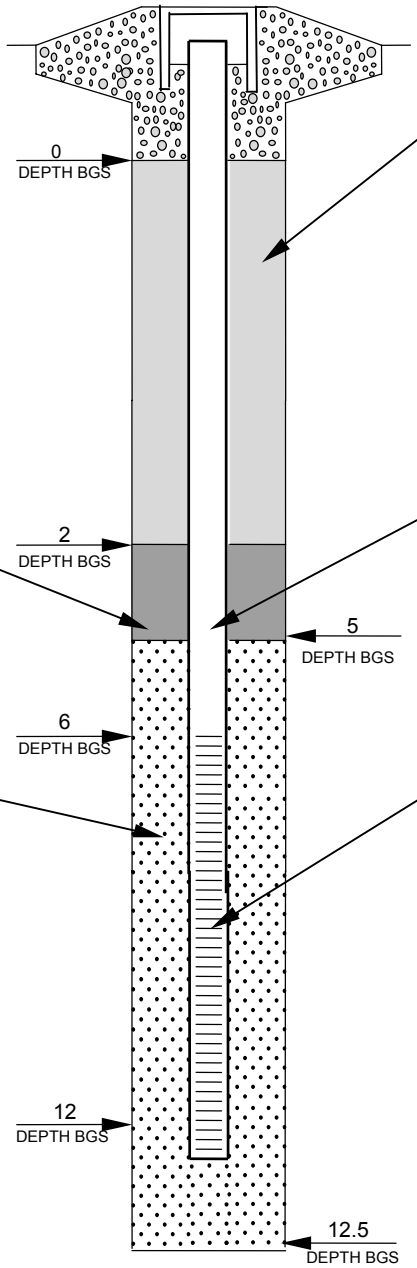
AMOUNT CALCULATED: _____
AMOUNT USED: 75 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 75 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 12.5 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 10.5 FEET

SURFACE COMPLETION

☑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP15
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 12.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP16

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 17.50
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 10.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							CL	0 to 3 inches asphalt and road base	
2								SANDY CLAY: dark brown; slightly moist; 80% clay; 20% fine-grained sand	
3									
4									
5									
6		18							
7									
8							KF	BEDROCK: serpenite and greenstone	
9		18							
10									
11								Total depth of boring = 10.5 feet	
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 10:26
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

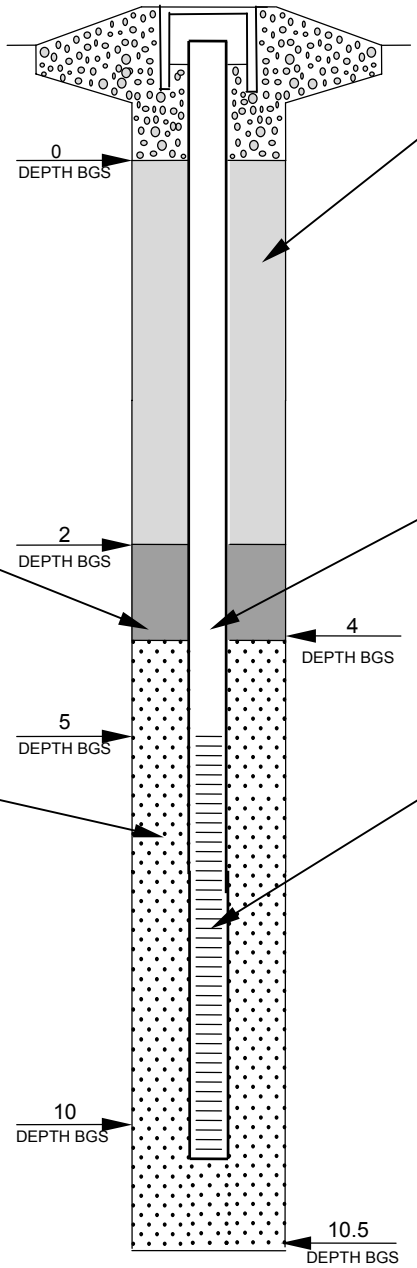
AMOUNT CALCULATED: _____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 100 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 4.0 FEET BGS OD: 10.5 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 10 FEET

SURFACE COMPLETION

☑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP16
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: _____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 10.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP17

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.50
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 10.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							SC	3-Inch asphalt and road base CLAYEY SAND: brown; moist; 70% medium- to fine-grained sand; 30% lean clay	
4							KF	SERPENTINE BEDROCK: serpenite and greenstone; slightly moist	
5									
6		16						Iron oxide staining in bedrock at 8 feet	
7									
8		18							
9		18						Increasing moisture content at 9 feet	
10									
11								Total depth of boring = 10.5 feet	

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 11:15
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
- ☑ HOLLOW STEM AUGER
- ☐ AIR ROTARY
- ☐ OTHER: ____

DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
- ☑ POURED ☐ TREMIE
- ☐ OTHER: ____

AMOUNT OF WATER USED: ____

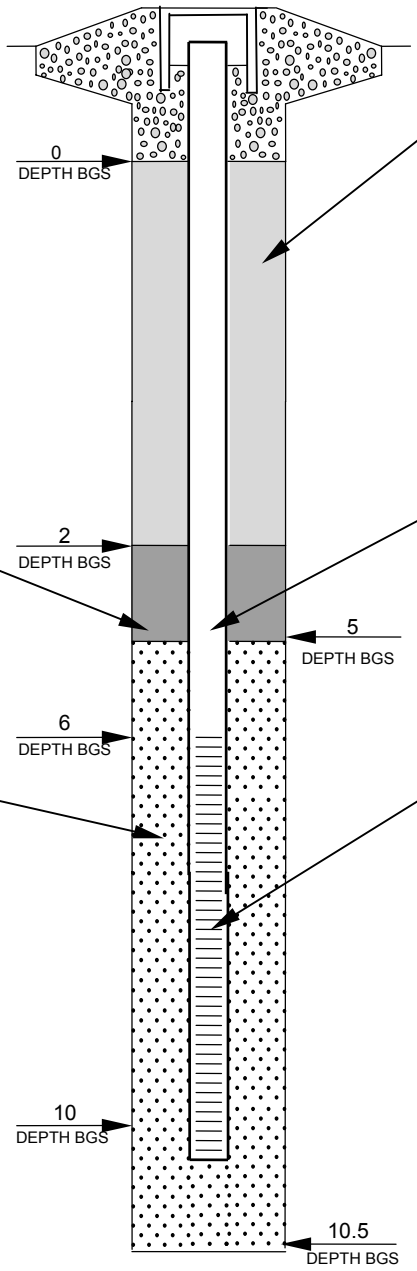
FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 75 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 10.5 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
- ☑ POURED ❑ TREMIE
- ❑ OTHER: ____

WATER LEVEL: 9.5 FEET

SURFACE COMPLETION

☑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP17
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: 50 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
- ☑ POURED ❑ TREMIE
- ❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 10.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 4 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP18

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 15.10
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 13.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							SC	3-Inch asphalt and road base	
2								Fill CLAYEY SAND: brown; slightly moist; 80% fine-grained sand; 20% lean clay; occasional gravel	
3								CLAYEY SAND: brown; slightly moist; 70% medium- to fine-grained sand; 20% lean clay	
4									
5							GP	Poorly graded GRAVEL: slightly moist; medium- to fine-grained gravels; some angular to subrounded	
6		24							
7									
8									
9									
10									
11		18							
12		18						Possible bedrock at 13 feet	
13								Total depth of boring = 13 feet	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 11:45
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

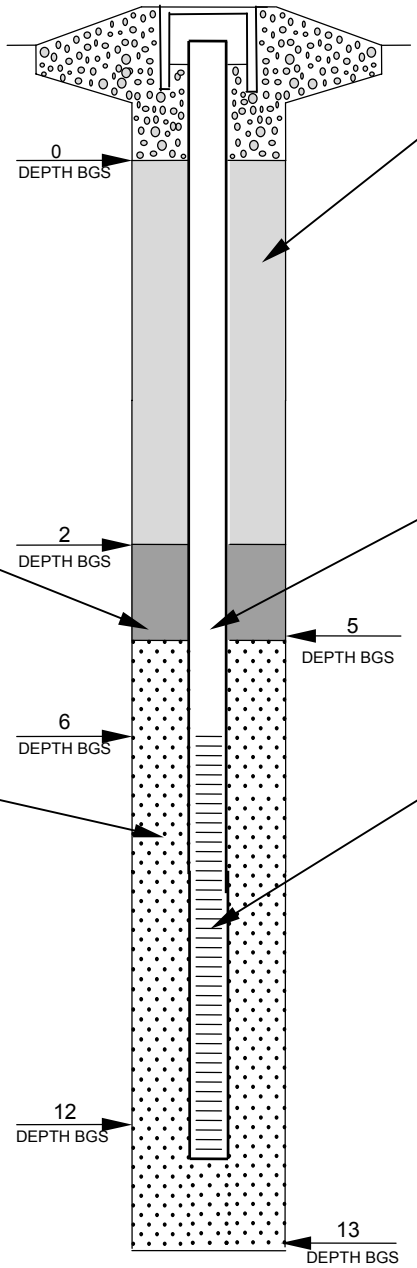
AMOUNT CALCULATED: ____
AMOUNT USED: 50 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: N/A
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: ____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 100 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 13.0 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 12.5 FEET

SURFACE COMPLETION

☑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP18
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 13.0 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 6 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP19

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 13.80
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 05/31/02
Completed: 05/31/02
Boring Depth (feet bgs): 5.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	NOTE: BORING WAS LOGGED FROM CUTTINGS.
							SC	3-Inch asphalt and road base	
1									
2								CLAYEY SAND with gravel: medium- to fine-grained sand; 20% clay; 5 to 10% gravel	
3									
4								Hit something hard at 5.5 feet	
5									
6								Total depth of boring = 5.5 feet	
7									
8									
9									
10									
11									
12									
13									
14									
15									
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17									
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35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 05/31/02 TIME: 12:00
WELL INSTALLATION BEGAN:
DATE: 05/31/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 05/31/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
- ☑ HOLLOW STEM AUGER
- ☐ AIR ROTARY
- ☐ OTHER: ____

DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: 30 LBS.
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: N/A
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
- ☑ POURED ☐ TREMIE
- ☐ OTHER: ____

AMOUNT OF WATER USED: ____

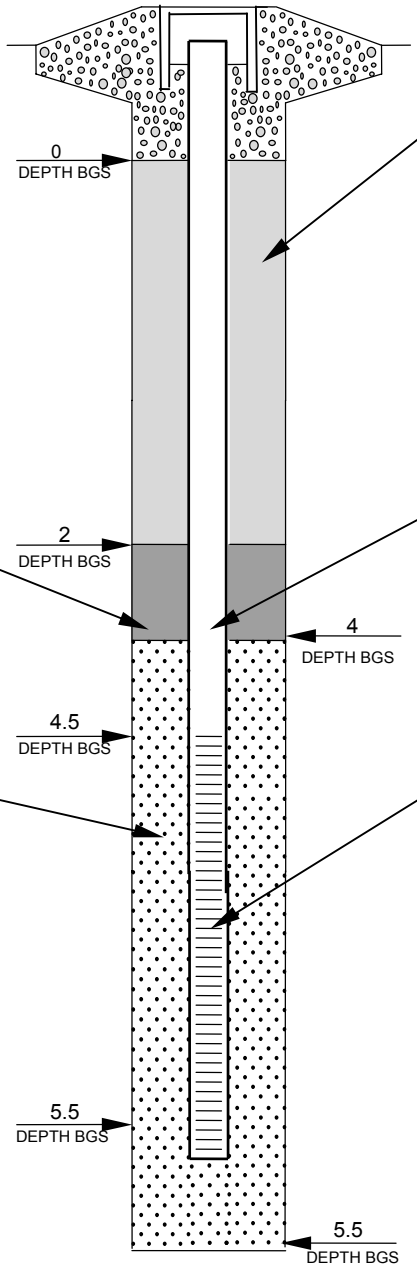
FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 30 LBS.
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 4.0 FEET BGS OD: 4.5 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
- ☑ POURED ❑ TREMIE
- ❑ OTHER: ____

WATER LEVEL: N/A

SURFACE COMPLETION

☑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP19
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
- ☑ POURED ❑ TREMIE
- ❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 5.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 1 FOOT

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP20

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 9.60
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 06/07/02
Completed: 06/07/02
Boring Depth (feet bgs): 7.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1		24					CL	SANDY CLAY: dark yellowish brown (10YR 4/4); slightly moist; lean; about 30% fine-grained sand	
2									
3		18						At 3 feet, small glass fragment and few wood chips (less than 1 inch)	
4		18						At 4 feet, color changes to very dark grayish brown (10YR 3/2); sand content increases to about 40%; increasing moisture content at 5 feet	
5									
6		12							
7								Total depth of boring = 7 feet	
8									
9									
10									
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TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 06/07/02 TIME: 11:20
WELL INSTALLATION BEGAN:
DATE: 06/07/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 06/07/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

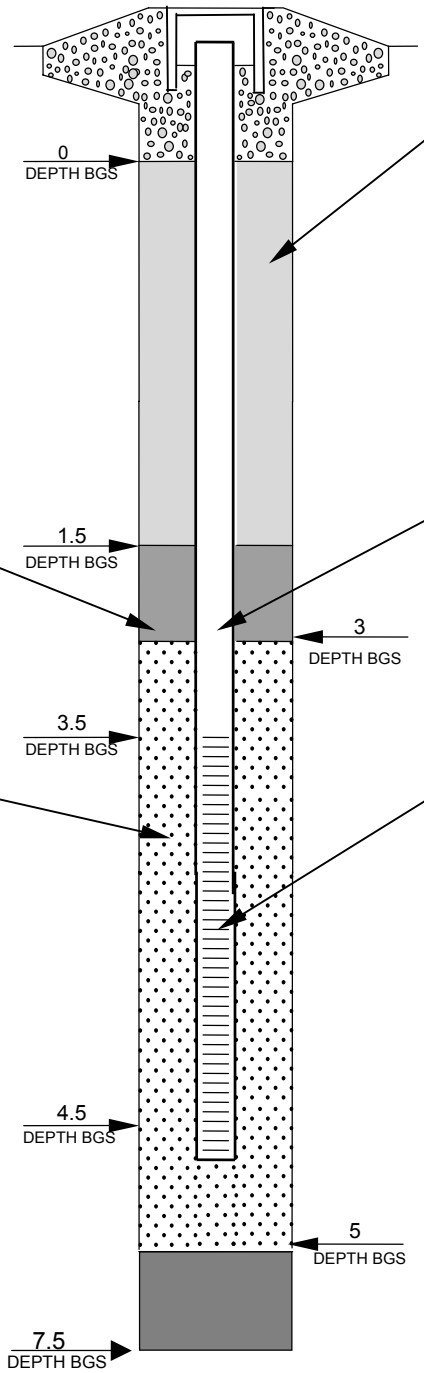
AMOUNT CALCULATED: _____
AMOUNT USED: NO WEIGHT GIVEN
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: NO WEIGHT GIVEN
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 3 FEET BGS OD: 5 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 6.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP20
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: NO WEIGHT GIVEN
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 7 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 1 F00T

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP21

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 10.30
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 06/07/02
Completed: 06/07/02
Boring Depth (feet bgs): 7.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1		12					SC	Grass/trash at surface	
2							CL	Poorly graded CLAYEY SAND: brown (10YR 4/3); slightly moist; fine- to medium-grained sand; about 30% lean clay	
3		18						LEAN CLAY with sand: dark yellowish brown (10YR 4/4); slightly moist; about 10% fine-grained sand	
4		12			▽				
5								At 5 feet, small root (0.25 inch in diameter)	
6		24							
7								At 6.5 feet, color changes to dark brown (7.5YR 3/2)	
8								Total depth of boring = 7 feet	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
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TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 06/07/02 TIME: 11:20
WELL INSTALLATION BEGAN:
DATE: 06/07/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 06/07/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

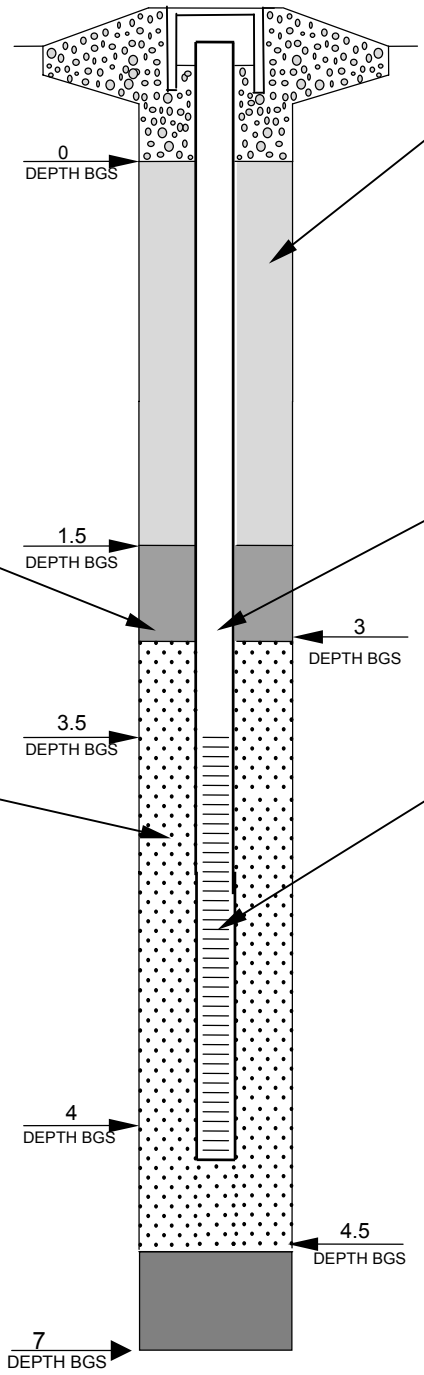
AMOUNT CALCULATED: _____
AMOUNT USED: NO WEIGHT GIVEN
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: NO WEIGHT GIVEN
☑ SAND, SIZE: #2/16
☑ FORMATION COLLAPSE
FROM: 3 FEET BGS OD: 5 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: N/A

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP21
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: NO WEIGHT GIVEN
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 7 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 1 F00T

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP22

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 19.20
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/11/02
Completed: 09/11/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							SC	Approximately 2 inches of gravel at surface	
2								CLAYEY SAND: brown (7.5YR 4/4); very slightly moist; 60% fine-grained sand; 20% medium-grained sand; 20% clay	
3									
4									
5									
6		6							
7									
8									
9									
10									
11		6						Slight petroleum odor at 12 feet	
12									
13		6						Saturated at 14 feet	
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
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TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/11/02 TIME: 10:20
WELL INSTALLATION BEGAN:
DATE: 09/11/02 TIME: _____
WELL INSTALLATION FINISHED:
DATE: 09/11/02 TIME: _____
DRILLING CO.: GREGG DRILLING
DRILLER: _____
LICENSE: _____
DRILL RIG: _____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: _____
DIAMETER OF AUGERS:
ID: _____ OD: 5.5 INCHES

BENTONITE SEAL

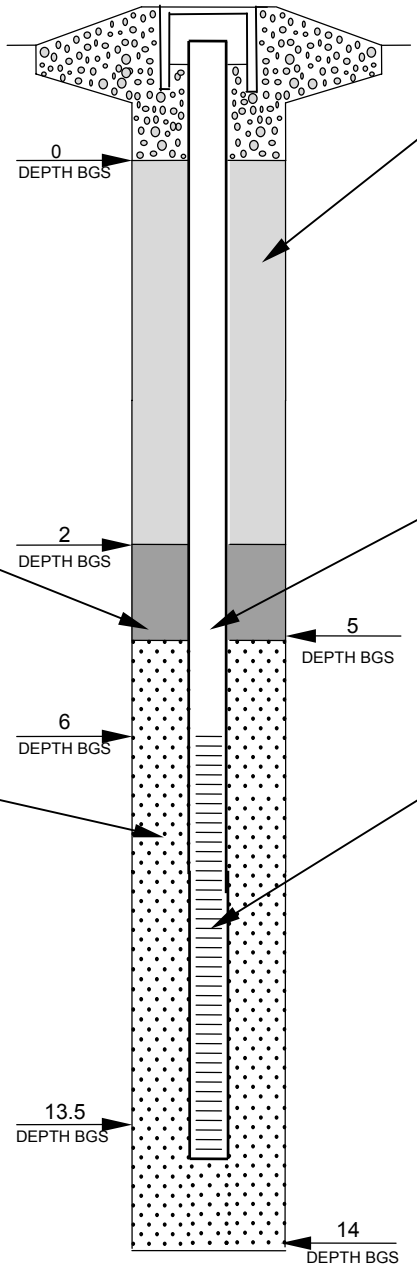
AMOUNT CALCULATED: _____
AMOUNT USED: 25 LBS.
☐ PELLETS, SIZE: _____
☑ CHIPS, SIZE: N/A
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: _____
AMOUNT OF WATER USED: _____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: _____
☑ SAND, SIZE: _____
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 14.0 FEET BGS
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____
WATER LEVEL: 13.5 FEET

SURFACE COMPLETION

❑ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP22
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: _____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: _____

ANNULAR SEAL

AMOUNT CALCULATED: _____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: _____
❑ PREPARED MIX
PRODUCT: _____
MFG. BY: _____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: _____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
LENGTH OF CASING: 14.0 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: _____
PRODUCT: _____
MFG. BY: _____
CASING DIAMETER:
ID: 0.75 INCHES OD: _____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP23

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 19.40
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/11/02
Completed: 09/11/02
Boring Depth (feet bgs): 14.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							SW	Gravel and asphalt	
2								Well-graded SAND WITH CLAY: very dark grayish brown (10YR 3/2); 40% medium-grained; 30% coarse-grained; 20% fine-grained; 10% lean clay	
3									
4									
5							SC		
6		9						CLAYEY SAND: pale brown (10YR 6/3); slightly moist; 40% medium-grained; 10% coarse-grained; 20% fine-grained; 30% clay; no odor or staining	
7									
8									
9									
10									
11		18						Black staining and petroleum odor at 12 feet; moist	
12									
13		8						Very moist at 13.5 feet; 1-inch piece of glass	
14								Total depth of boring = 14 feet	
15									
16									
17									
18									
19									
20									
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TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/11/02 TIME: 11:05
WELL INSTALLATION BEGAN:
DATE: 09/11/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/11/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

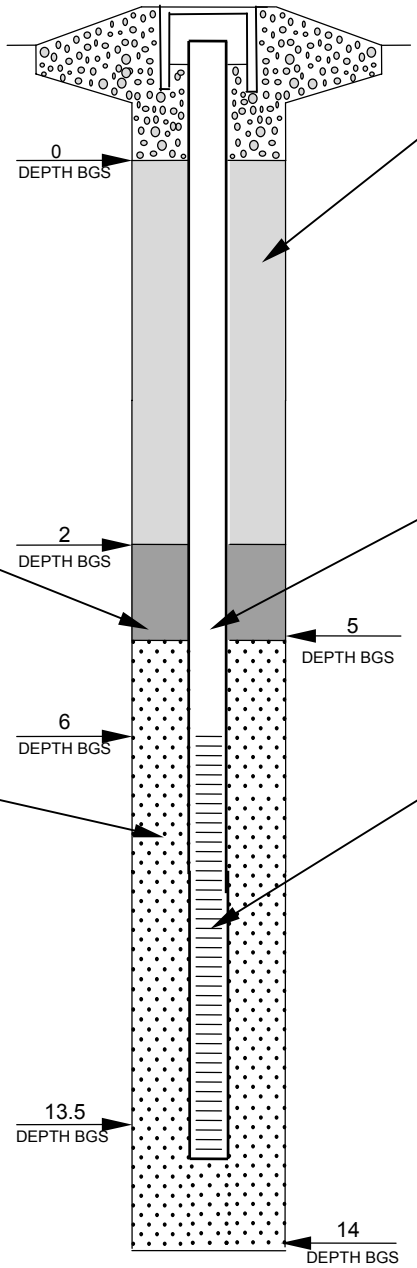
AMOUNT CALCULATED: ____
AMOUNT USED: ____
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 200 LBS.
☑ SAND, SIZE: ____
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 14.0 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
WATER LEVEL: 13.5 FEET

SURFACE COMPLETION

☐ FLUSH MOUNT
☑ ABOVE GROUND WITH BUMPER POST
☑ CONCRETE ☐ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP23
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: ____
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
☐ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 14.0 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7.5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP24

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 16.80
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/11/02
Completed: 09/11/02
Boring Depth (feet bgs): 13.50
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							CL	3-inch asphalt surface SANDY CLAY: brown (7.5YR 4/4); slightly moist; 30% fine- to medium-grained sand; 70% clay	
2									
3									
4									
5									
6		9							
7									
8									
9									
10							SC	CLAYEY SAND: very dark grayish brown (2.5Y 3/2); slightly moist; 40% medium- to fine-grained and 30% coarse-grained sand; 30% lean clay; slaturated at 13 feet	
11		24							
12									
13		9							
14								Total depth of boring = 13.5 feet	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/11/02 TIME: 12:05
WELL INSTALLATION BEGAN:
DATE: 09/11/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/11/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

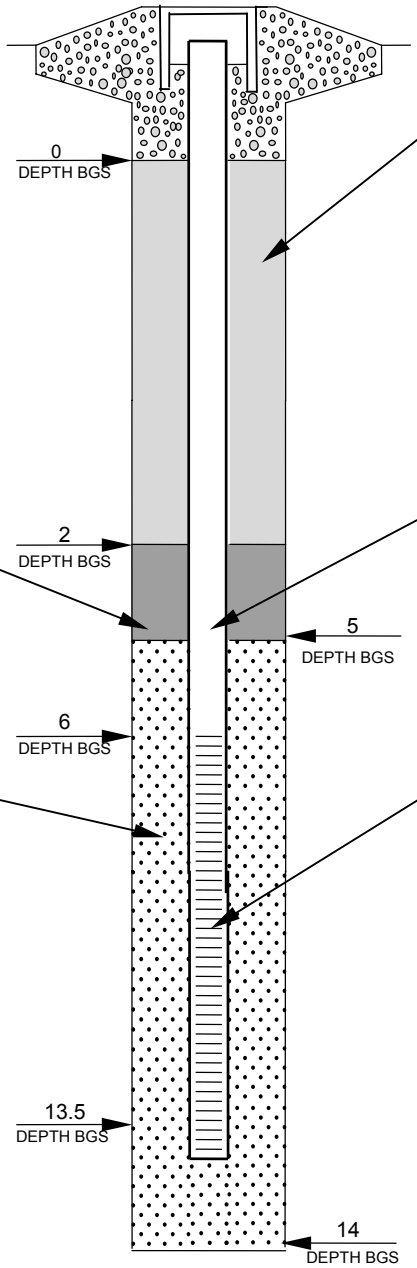
AMOUNT CALCULATED: ____
AMOUNT USED: ____
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: ____
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: ____

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: 150 LBS.
☑ SAND, SIZE: ____
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 13.5 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 13 FEET

SURFACE COMPLETION

☑❑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP24
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: N/A
AMOUNT USED: ____
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 13.5 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 7 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP25

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 15.50
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/11/02
Completed: 09/11/02
Boring Depth (feet bgs): 12.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
1							GW	3-inch asphalt cover	
2								Well-graded GRAVEL with serpentine rocks: slightly moist; minor iron oxide staining; no odor	
3									
4									
5									
6		5							
7									
8									
9									
10							CL		
11		24						CLAY: greenish gray (5G 5/1); 90% lean clay, 10% fine-grained sand; saturated at 11 feet	
12								Total depth of boring = 12 feet	
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/11/02 TIME: 13:20
WELL INSTALLATION BEGAN:
DATE: 09/11/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/11/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

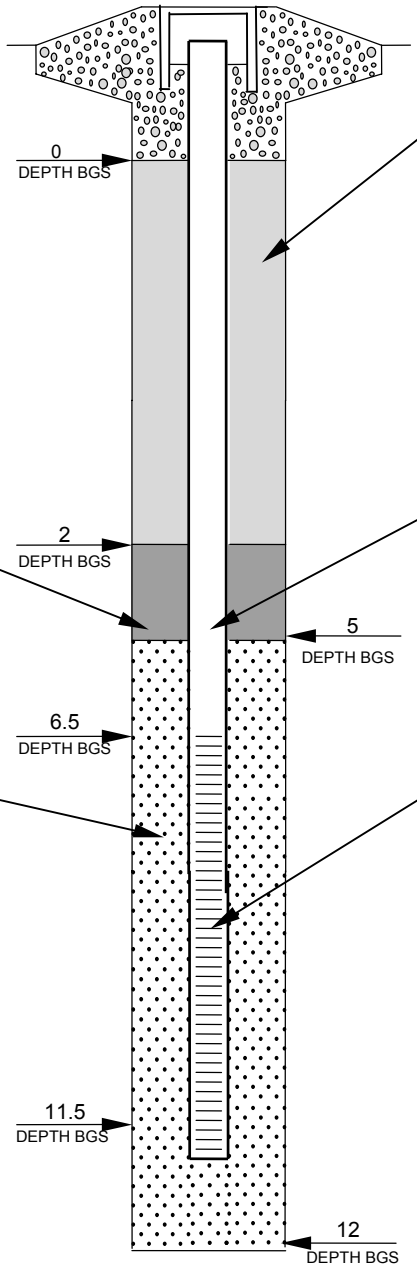
AMOUNT CALCULATED: ____
AMOUNT USED: ____
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: MEDIUM
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: ____
☑ SAND, SIZE: ____
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 12.0 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 11 FEET

SURFACE COMPLETION

☑❑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP25
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: N/A
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 12.0 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

Tetra Tech EM Inc.

Log of Boring: GMP26

Logged By: REBECCA LESHER
Logging Consultant: TETRA TECH
Drilling Company: GREGG

Project: GMP WELLS
Project No: DO 003
Location: PARCEL E LANDFILL
Ground Surface Elevation (feet MSL): 15.40
Top of Casing Elevation (feet MSL): NA

Drilling Method: HSA
Boring Started: 09/11/02
Completed: 09/11/02
Boring Depth (feet bgs): 12.00
Boring Diameter (inches): 5.50
Casing Diameter (inches): 0.75

DEPTH (FEET)	DRIVE INTERVAL	RECOVERY (IN)	SAMPLE ID	OVM (PPM)	WATER LEVEL	GRAPHIC LOG	ASTM SOIL TYPE	DESCRIPTION	COMMENTS
0								Ground Surface	
							CL	3-inch asphalt at surface	
1									
2								SANDY CLAY: dark greenish gray (5g 4/1); 30% medium- to fine-grained and 5% coarse-grained sand	
3									
4									
5								At 5 feet, slightly moist	
6		9							
7								At 10 feet, occasional gravel; serpentinite in content	
8									
9									
10									
11		7						Saturated at 12 feet	
12								Total depth of boring = 12 feet	
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

TETRATECH EM INC

MONITORING WELL COMPLETION RECORD

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 09/11/02 TIME: 14:10
WELL INSTALLATION BEGAN:
DATE: 09/11/02 TIME: ____
WELL INSTALLATION FINISHED:
DATE: 09/11/02 TIME: ____
DRILLING CO.: GREGG DRILLING
DRILLER: ____
LICENSE: ____
DRILL RIG: ____
DRILLING METHOD:
☑ HOLLOW STEM AUGER
☐ AIR ROTARY
☐ OTHER: ____
DIAMETER OF AUGERS:
ID: ____ OD: 5.5 INCHES

BENTONITE SEAL

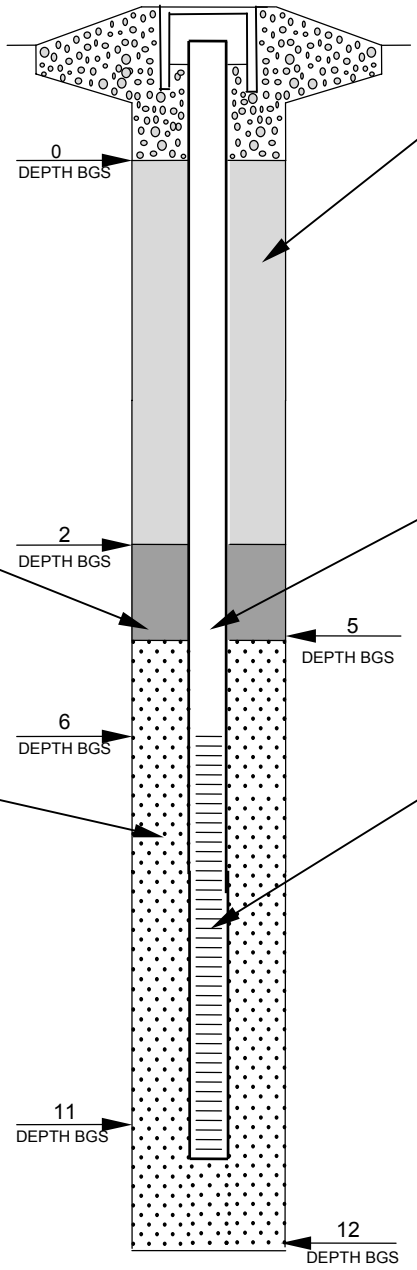
AMOUNT CALCULATED: ____
AMOUNT USED: ____
☐ PELLETS, SIZE: ____
☑ CHIPS, SIZE: ____
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ☐ TREMIE
☐ OTHER: ____
AMOUNT OF WATER USED: 5 GALLONS

FILTER PACK

AMOUNT CALCULATED: N/A
AMOUNT USED: ____
☑ SAND, SIZE: ____
☑ FORMATION COLLAPSE
FROM: 5.0 FEET BGS OD: 12.0 FEET BGS
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____
WATER LEVEL: 11.5 FEET

SURFACE COMPLETION

☑ FLUSH MOUNT
❑ ABOVE GROUND WITH BUMPER POST
❑ CONCRETE ❑ ASPHALT



MONITORING WELL

MONITORING WELL NO.: GMP26
PROJECT: PARCEL E NONSTANDARD DGI
SITE: IR-01/21
BOREHOLE NO.: ____
WELL PERMIT NO.: N/A
TOC TO BOTTOM OF WELL: ____

ANNULAR SEAL

AMOUNT CALCULATED: N/A
AMOUNT USED: 160 LBS.
☑ GROUT FORMULA
PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER: ____
❑ PREPARED MIX
PRODUCT: ____
MFG. BY: ____
METHOD INSTALLED:
☑ POURED ❑ TREMIE
❑ OTHER: ____

WELL CASING

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
LENGTH OF CASING: 12.0 FEET BGS

WELL SCREEN

☑ SCHEDULE 40 PVC
☐ OTHER: ____
PRODUCT: ____
MFG. BY: ____
CASING DIAMETER:
ID: 0.75 INCHES OD: ____
SLOT SIZE: 0.010
LENGTH OF SCREEN: 5 FEET

LEGEND

BGS	BELOW GROUND SURFACE
ID	INSIDE DIAMETER
N/A	NOT APPLICABLE
OD	OUTSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
TOC	TOP OF CASING

APPENDIX D
EXTRACTION, MONITORING, AND MAINTENANCE PLAN

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY (CLEAN II)
Northern and Central California, Nevada and Utah
Contract Number N62474-94-D-7609
Contract Task Order No. 0191

Prepared for

DEPARTMENT OF THE NAVY
Southwest Division
Naval Facilities Engineering Command
San Diego, California

EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

October 2002

Prepared by

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San Francisco, California 94105
(415) 543-4880

Kevin Bricknell, Project Manager
Registered Civil Engineer, C058829

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ACRONYMS AND ABBREVIATIONS

BRAC	Base Realignment and Closure
cfm	Cubic feet per minute
CFR	*Code of Federal Regulations*
COC	Chain-of-custody
EMMP	Extraction, monitoring, and maintenance plan
EPA	U.S. Environmental Protection Agency
eV	Electron volt
GMP	Gas monitoring probe
HASP	Health and safety plan
HDPE	High-density polyethylene
HPS	Hunters Point Shipyard
ID	Identification
IR	Installation Restoration
ITSI	Innovative Technical Solutions, Inc.
LEL	Lower explosive limit
Navy	U.S. Department of the Navy
NMOC	Nonmethane organic compound
OSHA	Occupational Safety and Health Administration
O&M	Operation and maintenance
PID	Photoionization detector
ppm	Parts per million
QC	Quality control
SOP	Standard operating procedure
TCRA	Time-critical removal action
TM	Test Method
TO	Toxic Organics
TtEMI	Tetra Tech EM Inc.
UCSF	University of California, San Francisco

1.0 INTRODUCTION

This extraction, monitoring, and maintenance plan (EMMP) describes the procedures for operating, monitoring, and maintaining the landfill gas extraction and control system near the inactive Industrial Landfill (Installation Restoration [IR] Site 01/21) at Parcel E of Hunters Point Shipyard (HPS) in San Francisco, California. The landfill is in the northwestern corner of IR-01/21 (Figure 1).

Landfill gas was discovered beyond the landfill's northern perimeter in April 2002 during a soil-gas investigation that was conducted as a part of a data gaps investigation of Parcel E (Tetra Tech EM Inc. [TtEMI] 2002). As part of a time-critical removal action (TCRA) to correct the situation, the U.S. Department of the Navy (Navy) is installing a landfill gas extraction system north-northeast of the Parcel E landfill. This property is owned by the University of California, San Francisco (UCSF) and contains laboratory facilities. A landfill gas control system, consisting of a gas barrier wall and passive venting system, is being installed along the fence line between the landfill and the UCSF compound to prevent future subsurface gas migration from the landfill.

The primary goal for the TCRA is to reduce subsurface methane levels within the UCSF compound to below 5 percent methane in air, which is the lower explosive limit (LEL) of methane. A secondary goal is to prevent methane migration from the landfill so that methane levels at the landfill fence line remain below 5 percent (100 percent LEL). The northern fence line between the landfill and the UCSF compound is considered to be the limit of the landfill site, as it bounds the landfill waste.

Section 2.0 discusses the components and layout of the landfill gas extraction and control system. Section 3.0 discusses the operation and maintenance of the gas extraction and the passive venting components. Section 4.0 discusses the performance monitoring required to ensure the extraction and control system is operating as intended. Section 5.0 discusses record-keeping requirements, Section 6.0 describes health and safety requirements for system operation, and Section 7.0 includes the contingency plan for dealing with unexpected events during the TCRA. Section 8.0 lists the references used to prepare this EMMP. Figures and tables follow Section 8.0. Appendix A provides the monitoring log forms, Appendix B includes copies of manufacturer operation and maintenance (O&M) manuals and specifications for equipment used in the system, and Appendix C includes the Tetra Tech standard operating procedures (SOP).

2.0 LANDFILL GAS EXTRACTION AND CONTROL SYSTEM COMPONENTS

The landfill gas extraction and control system consists of two primary components: a gas extraction system consisting of extraction wells, vacuum extraction units, and treatment filters, and a gas control system consisting of a long-term gas barrier, passive venting system, and treatment filters.

2.1 GAS EXTRACTION SYSTEM

The gas extraction system consists of 10 gas extraction wells, 2 trailer-mounted gas extraction units with vacuum blowers, and carbon/Hydrosil filter treatment units. Nine of the extraction wells are in the UCSF compound and one is within Navy property in the railroad museum area located east of the UCSF compound (Figure 2). Five gas monitoring probes (GMP) have been installed within the UCSF compound (GMP22 to GMP26), and nine GMPs have been installed along the northern landfill fence line, on the UCSF side of the barrier (GMP01 to GMP08, and GMP11). The 10 extraction wells are located outside of the landfill area, beyond the limit of refuse, and north of the barrier wall described in Section 2.2. Each gas extraction unit will be connected to one extraction well so that two wells are in operation at any one time. The units are expected to be at each location for about 1 to 2 weeks before being moved to the next location. The gas extraction units will be routed through the series of extraction wells on a cyclical schedule until gas has been extracted from all wells. The number of cycles through all wells will be based on methane soil-gas concentration goals and will be verified by monitoring GMPs and extraction wells for methane. A minimum of two complete cycles through all wells is expected to be required to achieve the cleanup goal of less than 5 percent methane (100 percent LEL) within the UCSF compound.

The gas extraction blower is a Carbonair Model CE-404/1 (maximum flow capacity of about 100 cubic feet per minute [cfm]) equipped with a moisture separator. The extraction blowers are expected to operate at each gas extraction well for 1 to 2 weeks at 20 to 50 cfm before being moved to the next location. Methane production will be monitored at the extraction wellhead to determine when to terminate operation at each well. Soil vapor pressure (vacuum pressure) will be monitored in the surrounding wells and GMPs to establish the effective radius of influence of the induced vacuum and to adjust the vacuum and flow rate of the blower to optimize system performance.

The treatment system consists of two Carbonair Model GPC3 carbon vessels (with 200 pounds of carbon per vessel) in series and one Hydrosil HS-600 vessel (with 400 pounds of permanganate-infused zeolite) as a polishing filter to remove select constituents not removed by the carbon. The treatment units will remove nonmethane organic compounds (NMOC), and methane will be vented to the atmosphere at a

minimum elevation of 15 feet above the ground surface. The expected life of the carbon and Hydrosil units on the gas extraction systems will vary depending on the flow rate and influent concentration of the various constituents. However, the design model for the filter system predicts that the carbon vessels will last 487 days (16 months), assuming the expected average influent concentration of 0.01 micrograms per liter (2 parts per billon by volume). The Hydrosil vessel, in series with the carbon, is predicted to last 3,333 days (9.1 years).

2.2 BARRIER WALL AND PASSIVE VENTING SYSTEM

The barrier wall and passive venting system consists of a Gundwall high-density polyethylene (HDPE) barrier that extends from the ground surface to below the water table, a gas collection trench on the landfill side of the barrier, four passive vents, and treatment filters.

The barrier wall/vent trench is installed at the outermost limits of waste but not within the waste fill. Any landfill gas migrating northward will be prevented from off-site migration by the HDPE barrier and will collect in the gas collection trench, which will offer lower resistance to air flow and will be a preferential gas flow pathway. The collected landfill gas will then pass through the four vents to the carbon and Hydrosil treatment units (as described in Section 2.1). The maximum flow rate from each vent is expected to be about 1 cfm. The treatment units will remove NMOCs, and the methane will be vented to the atmosphere at a minimum elevation of 15 feet above the ground surface. Passive venting will continue until the final remedy for the Parcel E landfill is implemented. The treatment units will remain in place unless future monitoring shows that NMOC concentrations escaping from the vents do not pose a threat.

3.0 OPERATION AND MAINTENANCE OF THE LANDFILL GAS EXTRACTION AND CONTROL SYSTEM

Personnel conducting operation and maintenance activities must comply with the following:

- Ensure that all personnel are trained in accordance with the approved health and safety plan (HASP) (Innovative Technical Solutions, Inc. [ITSI] 2002) and are authorized to be on site.
- Maintain up-to-date records that demonstrate compliance with Occupational Safety and Health Administration (OSHA) requirements.
- Follow all site safety protocols and the site-specific HASP (ITSI 2002).

Inspection, maintenance, and monitoring activities must be conducted and documented using the forms provided in Appendix A.

This section discusses procedures for initial startup of the system, gas extraction operation including criteria for changing locations, system maintenance requirements and criteria for completion of the work (turning off the gas extraction system).

3.1 INITIAL SETUP AND STARTUP

Extraction will begin using the first blower and treatment trailer at well EX-1. Extraction will begin at well EX-2 with a second blower and treatment trailer within 3 days after extraction starts at EX-1. As gas extraction from each individual well ends, the trailer will be moved to the next well in numerical sequence (that is, EX-3, EX-4, EX-5, EX-6, EX-7, EX-8, EX-9, EX-10). For example, the trailer at EX-1 would be moved to EX-3, the trailer at EX-2 would be moved to EX-4, and so on until reaching EX-10. The wells used in succeeding cycles may vary depending upon the results of earlier operations. The typical startup procedure for each well is summarized below.

1. Measure and record methane and NMOC concentrations in all gas extraction wells and GMPs located within 200 feet of the intended extraction well using field instruments (Appendix C).

2. Connect intake of the vacuum extraction hose to the wellhead and ensure a tight seal.

3. Turn on the blower at 30 inches of water vacuum and 20 cfm flow rate.

4. After 1 minute, measure methane and NMOCs at the extraction system intake using field instruments and collect influent and effluent samples with Summa canisters for laboratory analysis of NMOCs.

5. Measure vapor pressure, methane, and NMOC concentrations using field instruments at all GMPs and gas extraction wells within 200 feet of the gas extraction well.

6. At each gas extraction well, record the vacuum pressure and flow rate at 15-minute intervals for the first 2 hours, and then at 30-minute intervals for the next 2 hours. Record methane and NMOC measurements hourly for the first 4 hours.

7. At GMPs, record vacuum pressure hourly for the first 4 hours.

8. If little to no vacuum pressure is measurable at about 100 feet, increase the flow rate by 10 cfm hourly to a maximum vacuum pressure of 50 cfm.

9. Daily record the vapor pressure at all GMPs and extraction wells located within 200 feet of the operating extraction well, and record vacuum pressure, flow rate, temperature, barometric pressure, and methane and NMOC concentrations gathered using field instruments at the operating gas extraction well for the duration of the extraction event.

10. Weekly record the methane concentrations at all extraction wells and UCSF GMPs using field instruments.

3.2 GAS EXTRACTION REQUIREMENTS

Gas extraction is to be conducted at each extraction well, according to the interim extraction criteria shown on Figure 3, or until the system engineer determines that extraction can end and the removal action goal (5 percent methane) is achieved.

3.3 MAINTENANCE OF THE GAS EXTRACTION SYSTEM

Gas extraction wells and GMPs are to be visually inspected and scanned with the field instruments weekly for fugitive emissions during the duration of the TCRA. The soil vapor extraction units will be checked daily for fugitive emissions. Table 1 lists the scheduled maintenance activities. Upon achieving the performance criteria as discussed in Section 3.5, the gas extraction wells will be plugged and abandoned in accordance with California regulations.

The fittings, valves, and seals of the blower and treatment unit are to be inspected weekly, including a scan for fugitive emissions using field instruments (Table 1). Additional items to be checked for proper operation include the moisture separator and gauges. Equipment inspections will conform to the manufacturer's recommended standards (Appendix B).

The performance of the carbon and Hydrosil filters will be monitored daily for breakthrough using field instruments in accordance with the procedures outlined in Section 4.0. If a sudden increase or a steady increase over 1 week is observed in NMOC concentrations between or after the carbon vessels, indicating breakthrough, the carbon filter exhibiting the increase will be replaced. If breakthrough occurs after the Hydrosil vessel, the extraction trailer will be shut down until the Hydrosil filter is replaced. Table 2 describes the monitoring activities.

3.4 MAINTENANCE OF THE PASSIVE VENTING SYSTEM

Passive vents and GMPs are to be visually inspected and scanned with field instruments for fugitive emissions each week during the duration of the TCRA. The fittings, valves, and seals of the treatment units are to be inspected weekly. This inspection will include a scan for fugitive emissions using field instruments. Table 1 lists the scheduled maintenance activities.

The ground cover of the collection trench is to be inspected monthly for breaches in the surface seal for the duration of the TCRA. Proper drainage is to be maintained to ensure that surface water does not infiltrate into the trench. Upon completion of the removal action, the trench ground cover and treatment

unit inspection will convert to coincide with the normal gas monitoring program until the final site remedy is implemented.

The performance of the carbon and Hydrosil filters will be monitored weekly for breakthrough using the GEM 2000 in accordance with the procedures outlined in Section 4.0. If a sudden or steady increase over 1 month in NMOC concentrations is observed between or after the carbon vessels, the carbon filter exhibiting the increase will be replaced. If the increase occurs after the Hydrosil vessel, the vent will be closed until the Hydrosil filter is replaced.

3.5 COMPLETION OF GAS EXTRACTION

Gas extraction will be performed in accordance with the steps shown in green on Figure 3. Upon achieving no greater than 0.5 percent methane in each extraction well and no greater than 1 percent methane in all GMPs on the UCSF property (UCSF GMPs), the extraction systems will be shut down. The interim extraction criteria of 1 and 0.5 percent account for the migration of residual methane as the soil-gas pressures and chemical gradients equilibrate once the extraction systems have been shutdown (or rebound effect). After the extraction systems are shutdown, the methane and NMOC concentrations are to be monitored weekly (as shown in blue on Figure 3), using field instruments in all extraction wells and UCSF GMPs. If the methane level in an individual extraction well is above 0.5 percent during the weekly monitoring, the well is to be remeasured for methane 48 hours after the initial measurement. If the methane level in an extraction well exceeds 1.0 percent during the initial and verification measurements and previous measurements indicate rising gas levels, or if the methane level in a UCSF GMP exceeds 2.0 percent, then gas extraction will be initiated at the nearest adjacent extraction wells, as shown on Figure 3. The interim monitoring criteria of 0.5, 1, and 2 percent account for the possibility of rebound.

The gas extraction program will be discontinued when methane concentrations are below the weekly monitoring goals identified on Figure 3 for a period of 4 continuous weeks. At completion of the 4-week period, Summa canister samples will be collected from each extraction well and each UCSF GMP in accordance with the procedures outlined in TtEMI SOP No. 074 (Appendix C) for analysis by U.S. Environmental Protection Agency (EPA) Method Toxic Organics (TO)-14A and *Code of Federal Regulations* (CFR) promulgated Test Method (TM) 3C to verify field instrument readings and show that closure criteria have been met. The extraction wells and GMPs within the UCSF compound will then be monitored monthly (shown in purple on Figure 3) for at least 4 months to verify that gas levels do not rise above the 5 percent cleanup criterion. If methane levels exceed 5 percent during this 4-month period, the gas system will be reassessed and recommendations will be made to the Navy. At completion of the 4-

month monitoring period, Summa canister samples will be collected from each extraction well and each UCSF GMP for analysis by EPA Method TO-14A and TM3C. The monitoring schedule will then revert to that of the ongoing landfill gas monitoring program.

If after three gas extraction episodes (where one episode equals a gas extraction event plus an attempt at a 4-week monitoring event) an extraction well continues to have a methane level at or above 1.0 percent, or a UCSF GMP continues to have a methane level at or above 2.0 percent, then the extraction process and the extraction well spacing and locations will be reevaluated and recommendations will be submitted to the Navy for consideration (Figure 3).

4.0 PERFORMANCE MONITORING

The landfill gas extraction and control system will be monitored in accordance with the activities summarized in Table 2 to ensure proper system operation and performance. At startup, inlet and outlet treatment system air samples will be collected at both the active wells and passive vents using Summa canisters to verify inlet and outlet NMOC concentrations and treatment system removal efficiencies. Upon gas extraction completion, Summa canister air samples will be collected for laboratory analysis to demonstrate the attainment of cleanup goals. Monitoring, sampling, and laboratory analyses are discussed below. Table 4 summarizes the sampling quality criteria.

4.1 FIELD MONITORING

During gas extraction activities, monitoring will be conducted along the flow line of the active extraction system and at the wellheads of extraction wells and GMPs located within 200 feet of the operating extraction well. Gas vapor pressure and methane and NMOC concentrations will be monitored using field instruments according to the monitoring schedule presented in Table 2.

The inlets and outlets of the treatment system will be field screened at both active wells and passive vents. The field screening instruments include a photoionization detector (PID) and a GEM 2000. PID sensitivity is related to the ionization potential of the compound being monitored. Because the ionization potential of methane (12.48 electron volts [eV]) exceeds the limits of the PID (10.2 or 11.7 eV), methane is excluded from the PID readings; the PID provides field screening readings for NMOCs only. The GEM 2000 will be used to monitor methane. The GEM 2000 is equipped with an infrared analyzer that provides accurate measurements of methane concentrations.

The GEM 2000 will be calibrated and used in accordance with the manufacturer's operations manual. The PID will be operated in accordance with TtEMI SOP No. 003 in Appendix C. The instruments will

be calibrated at the beginning of each day and will be recalibrated if readings become suspect or erratic, or if the ambient temperature changes more than 20 °F during 1 day of operation. All calibration information will be recorded in a field logbook. Any field instrument that is faulty will be segregated, clearly marked, and not used until it is repaired.

GMPs and extraction wells on UCSF property that display concentrations of NMOCs exceeding 5 parts per million (ppm) over background concentrations will be sampled monthly during the TCRA in accordance with the procedures described in Section 4.2, and gas samples from these wells and GMPs will be analyzed at a laboratory to determine the constituents present and their concentrations. Background levels of NMOCs will be established at an upwind, off-site location.

4.1.1 Gas Extraction System Samples

Daily readings are to be taken of vapor pressure at the GMPs and extraction wells located within 200 feet of the operating gas extraction wells (the wells connected to the blower and treatment system). Daily readings of flow rate of the blower units, and vacuum pressure, temperature, barometric pressure, and methane and NMOC concentrations at each operating extraction well are to be recorded for the duration of each extraction event.

Treatment systems are to be monitored daily for NMOCs and methane using a PID and the GEM 2000. Monitoring is to occur at the following locations: (1) at the wellhead, (2) between the carbon vessels, (3) between the second carbon vessel and the Hydrosil vessel, and (4) at the system effluent after the Hydrosil (Figure 4). If NMOC concentrations after the Hydrosil exceed 5 ppm, a sample is to be collected from that point with a Summa canister, and the system will be shut down until the Hydrosil is replaced. Summa canister samples will be analyzed for the list of EPA Method TO-14A compounds (Table 5). NMOC concentrations for the system effluent will be compared with EPA Region IX preliminary remediation goals for ambient air (Table 6), which are the desired maximum limits for discharge from the system (EPA 2000). Breakthrough of a carbon vessel or the Hydrosil is assumed if (1) there is a steady observed increase in vapor concentrations over 1 week or (2) there is a sudden increase in NMOC concentrations. When breakthrough occurs in a carbon or Hydrosil vessel, the filter will be replaced.

4.1.2 Passive Venting System Samples

Weekly vapor pressure readings are to be recorded at the perimeter GMPs and at all passive vents connected to a treatment system. Treatment systems are to be monitored weekly for methane using the

GEM 2000, and for NMOCs using a PID. Monitoring is to occur at the following locations: (1) at the passive vent, (2) between the carbon vessels, (3) between the second carbon vessel and the Hydrosil vessel, and (4) at the system effluent after the Hydrosil (Figure 4). If concentrations after the Hydrosil exceed 5 ppm, a sample is to be collected from that point with a Summa canister and the Hydrosil is to be replaced. Summa canister samples will be analyzed for the list of EPA Method TO-14A compounds (Table 5). NMOC concentrations for the system effluent will be compared to the allowable air permit values to ensure compliance. Breakthrough of a carbon vessel or the Hydrosil is assumed if there is a steady observed increase in vapor concentrations over 1 month or if there is a sudden increase in NMOC concentrations. When breakthrough occurs in a carbon or Hydrosil vessel, the unit will be replaced.

4.2 GAS SAMPLING PROCEDURES

Gas samples will be collected using evacuated 1-liter Summa canisters, Teflon tubing, and a sampling probe in accordance with TtEMI SOP No. 074 (Appendix C). Summa canisters are "self filling"—because they are evacuated prior to sampling and draw in an air sample when opened; therefore, no sampling pumps are required to fill the canisters. Pumps will be used to evacuate the Teflon tubing.

A unique sample identification (ID) number will be given to each sample collected and will provide a means of tracking the sample from collection through analysis. A sample label will be attached to all sample containers and will be completed with the following information:

- Project name and location
- Sample ID number
- Date and time of sample collection
- Sample collector's initials
- Analysis required

Sample ID numbers will be assigned in accordance with the following ID system:

Well/Vent ID - Sample Type - Sample Number

where:

Well/Vent ID	=	Extraction well or vent connected to the treatment system during sampling
Sample Type	=	"I" for influent or "E" for effluent (only needed for samples collected from the treatment system)
Sample Number	=	Sequential sample number starting with 001

Standard sample chain-of-custody (COC) procedures will be used to maintain and document sample integrity during collection, transportation, and analysis. COC procedures provide an accurate written record that traces the possession of individual samples from the time of collection in the field to the time of acceptance by the laboratory. The following information will be recorded on the COC form:

- Project name and number
- Sampling location
- Name and signature of sampler
- Laboratory name
- Sample ID number
- Date and time of collection
- Number and type of sample containers filled
- Analysis requested
- Sample designation
- Signatures of individuals involved in custody transfer
- Project contact and telephone number

Unused lines on the COC form will be crossed out. Field personnel will sign COC forms initiated in the field and record the air bill number.

The precision and accuracy of the chemical measurements of samples in the Summa canisters will be assessed through a combination of field and laboratory quality control (QC) samples. Field QC samples will be collected as follows:

- Duplicates. One duplicate Summa canister sample will be collected from 10 percent of the gas sampling locations. Duplicate samples will be collected sequentially at each location. Both the duplicate sample and the original sample will be placed in a Summa canister shipping container for transport to the analytical laboratory.

- Field Blank. Field blanks will be collected to assess potential sample contamination from ambient sources at the site, as well as during sample handling and transport. Field blanks will consist of an evacuated Summa canister that (1) travels from the laboratory to the field, (2) is carried with the sampling canisters to the sampling locations, (3) is filled with ambient air in the vicinity of sampling, and (4) is returned to the laboratory with the sample containers. One Summa canister will be denoted as a field blank each day that Summa canisters samples are collected.

4.3 LABORATORY ANALYSES

Gas samples will be analyzed by a Navy-approved laboratory using EPA Method TO-14A that will provide quantitation and speciation of organic compounds (Table 5), and CFR TM-3C that will provide laboratory confirmation of methane concentration at completion of the TCRA. All chemical measurement results will be evaluated for precision, accuracy, representativeness, completeness, and comparability to ensure the quality of the data. Precision is the degree of mutual agreement between individual measurements of the same property under similar conditions. Precision will be evaluated by collecting and analyzing field duplicates and calculating the variance between the samples, typically as a relative percent difference. Accuracy is the degree of agreement between an analytical measurement and a reference accepted as a true value. Representativeness expresses the degree to which sample data accurately and precisely represent the characteristics of a population or variations in a parameter at a sampling point. Representative data will be obtained through careful selection of sampling locations and analytical parameters. Representative data also will be obtained through proper collection and handling of samples to avoid interference and minimize contamination. Field and laboratory blank samples will be evaluated for contaminants to aid in evaluating the representativeness of sample results. Data determined to be nonrepresentative in comparison to existing data will be used only if accompanied by appropriate qualifiers and limits of uncertainty. Completeness is a measure of the percentage of project-specific data that are valid. Valid data are obtained when samples are collected and analyzed in accordance with all applicable QC procedures. Comparability expresses the confidence with which one data set can be compared to another. Comparability of data will be achieved by consistently following standard field and laboratory procedures and using standard measurement units to reporting measurement results. Table 5 summarizes the laboratory reporting limits for EPA Method TO-14A. Table 7 summarizes sampling procedures and methods. Table 8 lists analytes and sample volumes for the landfill gas samples.

5.0 RECORD-KEEPING REQUIREMENTS

A final TCRA Closure Report of gas monitoring and maintenance activities will be compiled and submitted to the Base Realignment and Closure (BRAC) Cleanup Team upon completion of the removal action. Data also will be included in the weekly site report provided to the Navy. Records will, at a minimum, include the following:

- Operation log
- Maintenance activity log
- Inspection records
- Monitoring records
- Laboratory analytical results
- System performance evaluations
- Notification procedures

6.0 HEALTH AND SAFETY REQUIREMENTS

The off-site activities will only be conducted when equipment operators are present. OSHA-trained personnel will operate system equipment. The immediate off-site area will be cordoned off with safety tape or other barriers when off-site systems are operating. A site-specific HASP will be distributed to all site personnel; the site-specific HASP will be implemented and strictly enforced (ITSI 2002). If monitoring indicates that concentrations of gas emissions from the landfill gas extraction and control systems exceed the action levels specified in the HASP, either site personnel will take immediate action to reduce the emissions levels to below the health and safety limits or the systems will be shutdown until modifications or repairs can be made to reduce emission levels to allowable limits. The HPS Caretaker Site Office will be notified as soon as possible of any emergency shutdown and of any modifications made to the systems.

Public access to the system area is restricted by the Parcel E property fence. Only OSHA-trained personnel are authorized to be in this restricted area. Signs to control traffic and public access are prominently displayed around the perimeter.

7.0 CONTINGENCY PLAN

This section provides information about emergency response inspection procedures to be implemented in case of natural disasters likely to occur in the San Francisco Bay area that may affect the Industrial Landfill at IR-01/21, including earthquakes, floods or major storms, and fires. The HPS Caretaker Site Office will be notified of all emergency system shutdowns and will be given notice before the systems are restarted.

7.1 EARTHQUAKES

The San Francisco Bay area has a high potential for earthquakes. In the event of a 5.0-magnitude or higher earthquake centered within 5 miles of the industrial landfill at Parcel E, the system will be shut down as soon as practical. The system will not be restarted until after a thorough inspection of the barrier wall, gas extraction wells and vents, gas extraction systems, and treatment units has been conducted and any necessary repairs have been made. The system can be restarted only after a California-registered professional engineer certifies that the system will operate in accordance with design specifications and in compliance with the site-specific HASP.

7.2 FLOODS OR MAJOR STORMS

In the event of a flood or major storm, the systems will be inspected for damage and operation integrity. Repairs will be made as soon as practical.

7.3 FIRES

In the event of a fire, the HPS fire department (Federal Fire Chief, [415] 330-0580) will be notified and the Navy's integrated contingency plan will be implemented. The landfill gas extraction and control system will be shutdown until the emergency response for the fire is complete. The Navy will share applicable landfill information with local fire officials. In addition, the Navy BRAC office will dispatch a landfill fire specialist to assist in any fire emergency response. In the event of a landfill fire, if the cap is observed to be breached, other firefighting methods (such as foam or smothering with dirt) will be considered and used, as appropriate. After the incident, the Navy will thoroughly inspect the landfill cap using the emergency response checklist in the landfill cap O&M manual to ensure that the integrity of the synthetic layers has not been comprised. If any fire damage occurs, the Navy will implement corrective action to ensure that contaminants are contained and human health is protected.

The gas extraction and control system will not be restarted until after a thorough inspection of the barrier wall, gas extraction wells and vents, gas extraction systems, and treatment units has been conducted, and any necessary repairs have been made. The system can be restarted only after a California-registered professional engineer certifies that the system will operate in accordance with design specifications and in compliance with the site-specific HASP (ITSI 2002).

8.0 REFERENCES

Innovative Technical Solutions, Inc. (ITSI). 2002. "Health and Safety Plan, Hunters Point Shipyard [HPS], San Francisco, California." July.

Tetra Tech EM Inc. (TtEMI). 2002. "Landfill Gas Technical Memorandum, Parcel E Industrial Landfill, HPS, San Francisco, California." July 2.

U.S. Environmental Protection Agency (EPA). 2000. "EPA Region IX Ambient Air Preliminary Remediation Goals (PRG)." Updated November 22. Accessed on May 15, 2002. Online Address: http://www.epa.gov/Region9/waste/sfund/prg/s1_01.htm

FIGURES

SAN FRANCISCO BAY

B

A

C

IR-01/21
INDUSTRIAL
LANDFILL

MEAN LOW TIDE

E

D

F

F

SAN FRANCISCO BAY

N

400 0 400 Feet
Scale in Feet

Location Map

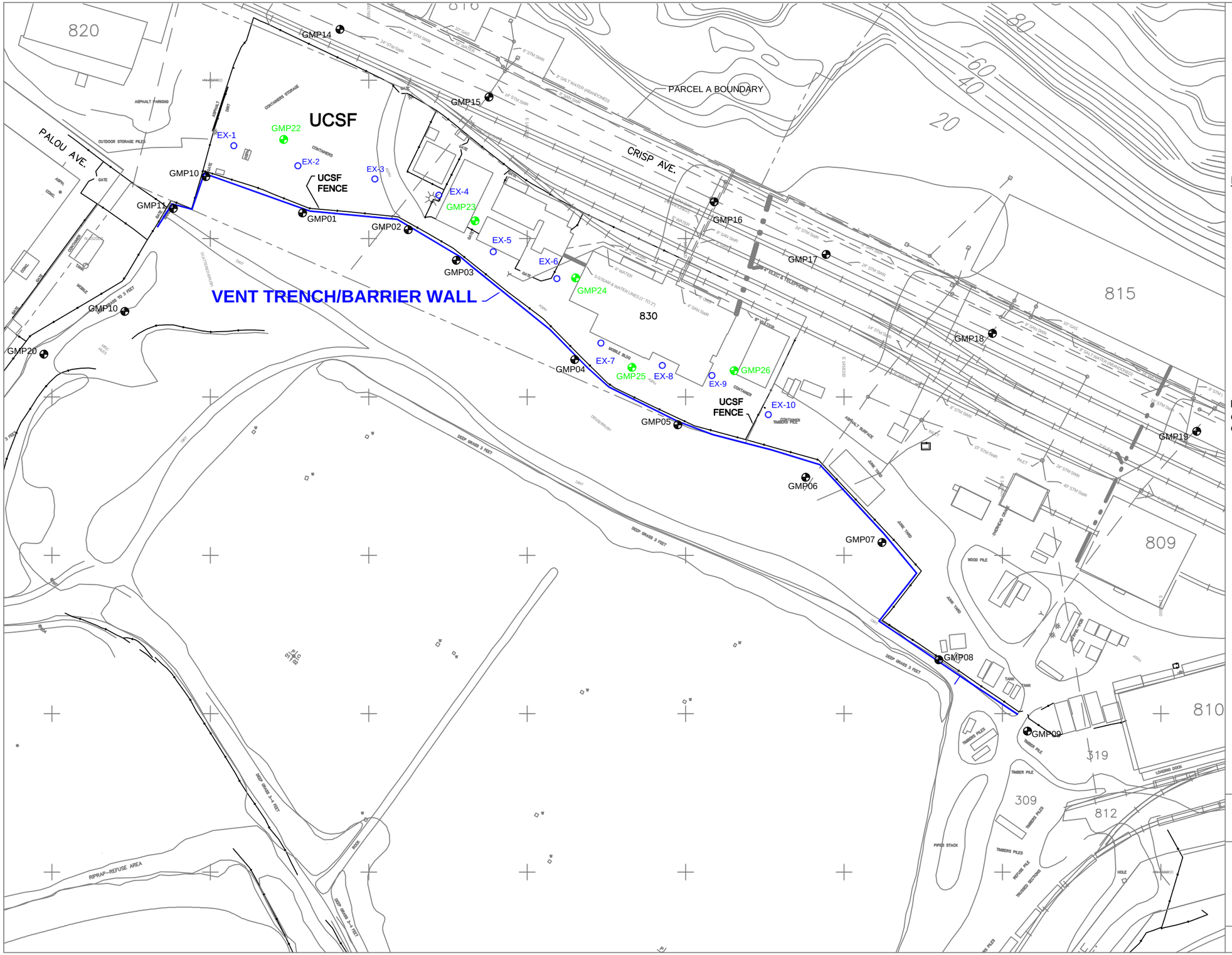
Extent of Landfill
Limit of Landfill Cap
University of California, San Francisco Compound
Parcel Boundary
Buildings
Rail Lines
Roads
Non-Navy Property
San Francisco Bay

HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVFAC, SAN DIEGO

FIGURE 1
LANDFILL GAS
CONTROL SYSTEM LOCATION
LANDFILL GAS REMOVAL ACTION
EXTRACTION, MONITORING, AND MAINTENANCE PLAN

Tetra Tech EM Inc.

08-26-2002 G:\hunters point\kimberlee\landfill gas action memo.apr TIEMI-SD KCH



EXPLANATION

- GMP 18 — EXISTING GAS MONITORING PROBE
- GMP 18 — PROPOSED UCSF GAS MONITORING PROBE
- GV2 — GAS EXTRACTION WELL
- 255 — BUILDING OR STRUCTURE

NOTE:
CONTOURS SHOWN ARE FROM AERIAL SURVEY CONDUCTED DURING APRIL 2002.

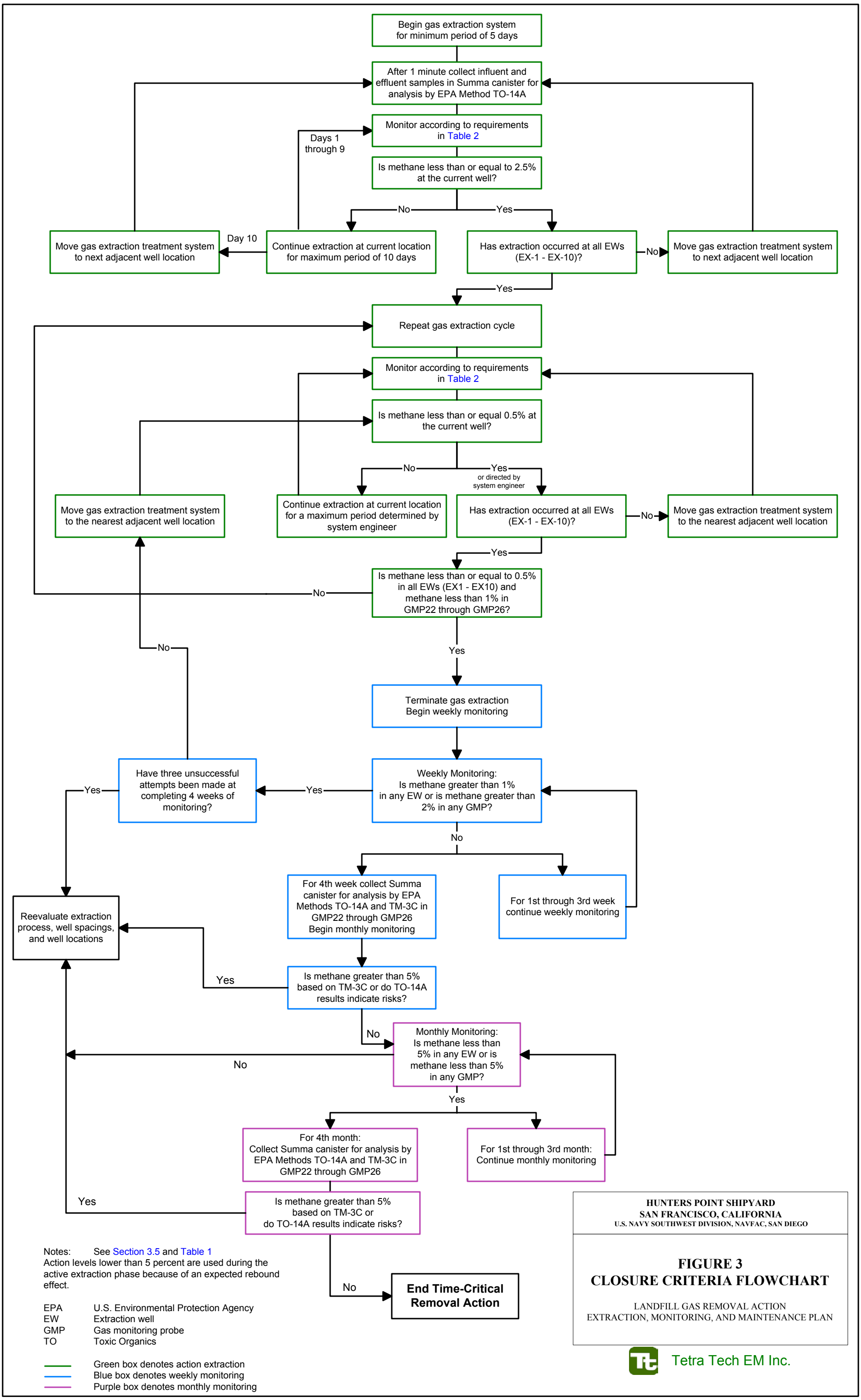
60 0 60 120
Scale in Feet

HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVFAC, SAN DIEGO

FIGURE 2
LAYOUT FOR GAS CONTROL SYSTEM

LANDFILL GAS REMOVAL ACTION
EXTRACTION, MONITORING, AND MAINTENANCE PLAN

Tetra Tech EM Inc.



Notes: See Section 3.5 and Table 1
Action levels lower than 5 percent are used during the active extraction phase because of an expected rebound effect.

EPA U.S. Environmental Protection Agency
EW Extraction well
GMP Gas monitoring probe
TO Toxic Organics

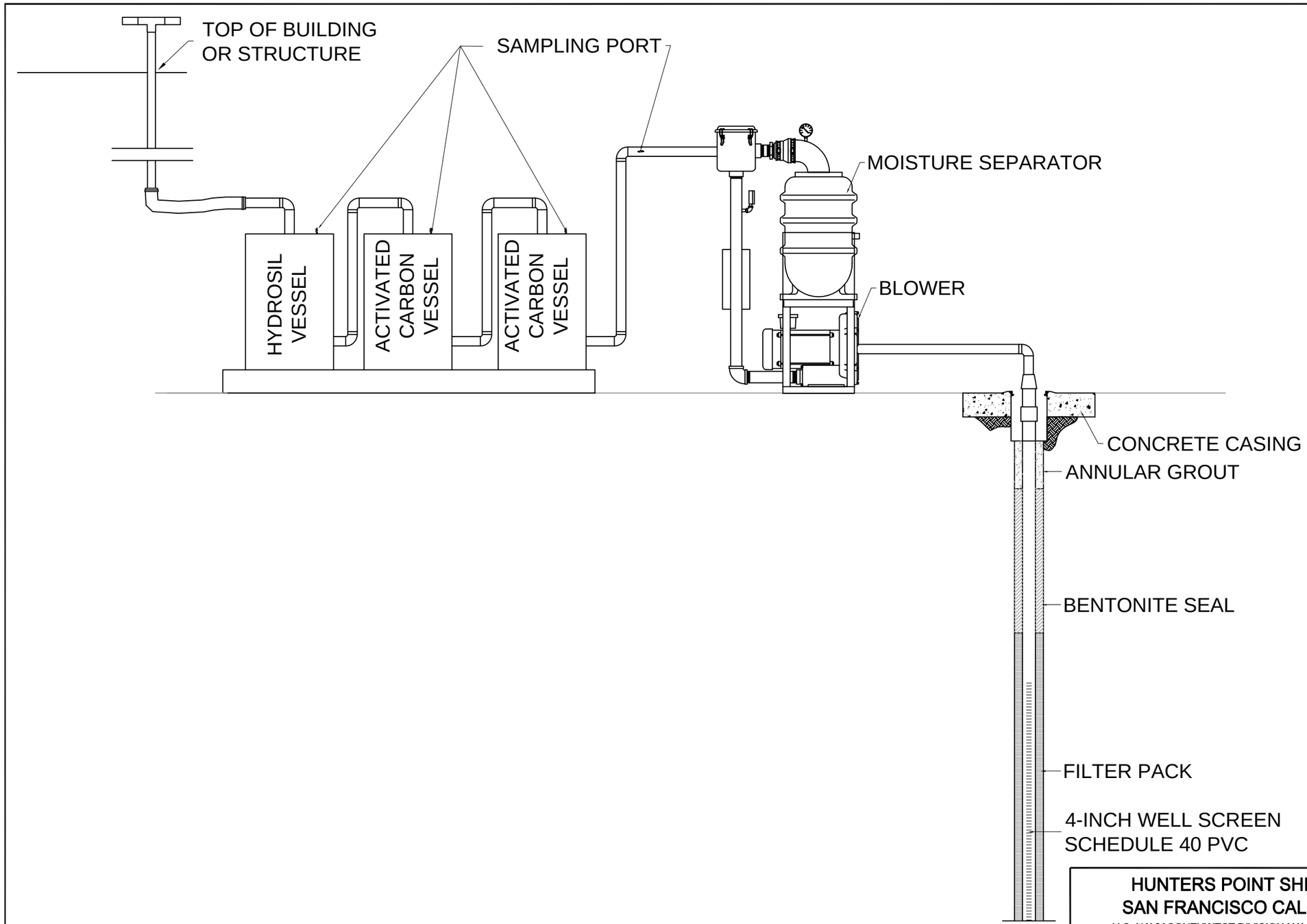
Green box denotes action extraction
Blue box denotes weekly monitoring
Purple box denotes monthly monitoring

HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION, NAVFAC, SAN DIEGO

FIGURE 3
CLOSURE CRITERIA FLOWCHART

LANDFILL GAS REMOVAL ACTION
EXTRACTION, MONITORING, AND MAINTENANCE PLAN

Tetra Tech EM Inc.



N

Scale
1" = 3'-0"

HUNTERS POINT SHIPYARD
SAN FRANCISCO CALIFORNIA
U.S. NAVY SOUTHWEST DIVISION NAVAC, SAN DIEGO

FIGURE 4
EXTRACTION SYSTEM
MONITORING POINTS

LANDFILL GAS REMOVAL ACTION
EXTRACTION, MONITORING, AND MAINTENANCE PLAN

Tetra Tech EM Inc.

TABLES

TABLE 1

MAINTENANCE INSPECTION SCHEDULE
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Task	Type of Inspection	Frequency
Gas Extraction System		
Inspect gas extraction wells (EX-1 through EX-10) for fugitive emissions	Visual; GEM2000; PID	Weekly
Inspect GMPs (GMP22 through GMP26) for fugitive emissions	Visual; GEM2000; PID	Weekly
Inspect soil vapor extraction unit (Units 1 and 2) for fugitive emissions	Visual; GEM2000; PID	Daily
Inspect fittings, valves, and seals of blower and treatment unit (Units 1 and 2) for fugitive emissions	Visual; GEM2000; PID	Weekly
Passive Venting System		
Inspect passive vents for fugitive emissions	Visual; GEM2000; PID	Weekly
Inspect GMPs (GMP1 through GMP12) for fugitive emissions	Visual; GEM2000; PID	Weekly
Inspect fittings, valves, and seals of treatment units for fugitive emissions	Visual; GEM2000; PID	Weekly
Inspect ground cover along collection trench for breaches in surface seal	Visual; GEM2000; PID	Monthly

Notes:

GMP Gas monitoring probe
PID Photoionization detector

TABLE 2

MONITORING ACTIVITIES
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Parameter	Description of Monitoring
1. Carbon and Hydrosil Filter Life	Record start date and stop date to document days of exposure.
2. Carbon Bed Pressure Drop	Take daily readings of the pressure drop across the adsorption beds to ensure that they are not clogged or channeled.
3. Methane and Nonmethane Organic Compounds (NMOC) for Fugitive Emissions	Conduct daily monitoring of the area surrounding the passive vents, the gas extraction wells, and the extraction and treatment trailers using a GEM-2000 and a photoionization detector to ensure that unacceptable concentrations of methane and other hydrocarbons are not present.
4. NMOCs	Conduct daily monitoring of the treatment system using field instruments. Monitoring is to occur (1) at the wellhead, (2) between the carbon vessels, (3) between the second carbon vessel and the Hydrosil vessel, and (4) at the system effluent (after the Hydrosil vessel). If NMOC concentrations after the Hydrosil vessel are equal to or exceed 5 parts per million, a Summa canister sample will be collected for laboratory analysis and the Hydrosil filter is to be replaced. Summa canister samples will be analyzed for the list of U.S. Environmental Protection Agency Method Toxic Organics 14A compounds. NMOC concentrations of the system effluent will be compared to permitted values to ensure that capture efficiencies are maintained. When breakthrough occurs in a carbon or Hydrosil vessel, the unit will be changed.
5. Methane	Conduct weekly monitoring at all extraction wells and UCSF GMPs using a GEM-2000. Collect Summa canister samples from the extraction wells and vents at completion of the 4-week and 4-month monitoring periods. The Summa canister samples will be analyzed for methane by *Code of Federal Regulations* Promulgated Test Method 3C to verify that methane concentrations have been mitigated to below the action levels.
5. Vapor Pressure and Air Flow Rate	Take readings of vapor pressure, vapor temperature, and barometric pressure at gas monitoring probes and extraction wells. Take readings of the flow rate of extraction units.
6. Meteorological Monitoring	A 10-meter tower installed at the landfill will continuously record wind speed, wind direction, temperature, relative humidity, and precipitation. The data will be used to investigate observations of odors and dispersion of vented gases.

TABLE 3

OUTLINE OF CLOSURE CRITERIA AND REQUIREMENTS
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

1. If all extraction wells (EW) contain less than or equal to 0.5 percent methane and all University of California, San Francisco (UCSF) gas monitoring probes (GMP) contain less than or equal to 1.0 percent methane, then shut down the extraction systems and conduct weekly monitoring for 4 weeks.

2. If the methane level in an EW is greater than 0.5 percent, then remeasure the methane level in 48 hours.

3. If the methane level is greater than 1.0 percent in an EW during both the initial and verification measurements or greater than 2.0 percent in a GMP, then restart the gas extraction system.

4. If after three gas extraction episodes (where one episode equals a gas extraction event and an attempt at four continuous weeks of monitoring without extraction) either methane in an EW increases to 1.0 percent or above, or methane in a GMP increases to 2.0 percent or above, then reevaluate the extraction process, well spacing and locations.

5. If during four weeks of monitoring, methane levels in all EW are less than 1.0 percent and less than 2.0 percent in all UCSF GMPs, then collect Summa canister samples from all extraction wells and all UCSF GMPs, and begin monthly monitoring of the UCSF GMPs.

6. If UCSF GMPs are less than 5.0 percent for 4 months, then discontinue the removal action and implement the regular gas monitoring program.

TABLE 4

SAMPLING QUALITY CRITERIA
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Statement of Problem The concentrations of methane and volatile organic compounds (VOC) in landfill gas at the site are needed to monitor potential risks to human health near gas vents and release areas (open monitoring vents and fugitive emissions), and to evaluate the effectiveness of the gas collection system to mitigate the off-site migration of landfill gas, and to monitor the service life of the treatment system filters.
Required Decisions • Does the methane concentration create a potential explosion hazard? • Are VOCs (nonmethane organic compounds [NMOC]) being released to the work area at concentrations that create a potential risk to site workers? • Is the gas collection system reducing the volume of off-site landfill gas? • Are the treatment system filters still functioning and removing VOCs and NMOCs at design specifications or do the filters need to be recharged or replaced?
Inputs to Decision Resolution • Analytical results from monitoring probes for methane concentrations and general NMOC screening results. • Laboratory analytical results for VOCs when general NMOC screening concentrations equal or exceed 5 parts per million by volume (ppmv) organic vapors.
Study Boundary • The immediate areas around the gas extraction and gas treatment units and the related connections to the gas extraction wells and the passive gas vents. • The immediate areas around the wellheads of the gas monitoring probes (GMP) on the University of California, San Francisco (UCSF) property. The GMPs should be sealed shut except during monitoring activities.
Decision Rules • If the concentration of NMOCs after the Hydrosil vessel of a treatment unit exceeds 5 ppmv, then the gas extraction system is to be shut down and the Hydrosil filter replaced before the system is restarted. • If the concentration of NMOCs after a carbon vessel (but before the next vessel in sequence) exceeds 5 ppmv then the treatment unit is to be shut down and the carbon filter replaced before the system is restarted. • If fugitive emissions about the extraction unit, treatment units, or wellhead connections equal or exceed 5 ppmv, the leak is to be located, the system shutdown and repairs made before the system is restarted. • If the methane concentration in fugitive emissions is within the explosive range, then immediate measures will be taken to mitigate risks, followed by steps to repair the system to prevent the emissions. • If landfill gas in an operating extraction well meets the completion criterion for an individual extraction event, then operators will move the extraction and treatment unit to the next extraction well.

TABLE 4 (Continued)

SAMPLING QUALITY CRITERIA
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Decision Rules (Continued) • If the landfill gas concentrations in all off-site GMPs and all extraction wells or all passive vents meet project completion criteria for the active portion of the project, then the operators will switch to the monitoring phase to ensure that the wells or vents do not experience a rebound of landfill gas. If a rebound occurs, the operators will return to the active extraction phase. • If all gas and vapor concentrations meet project completion criteria in all UCSF GMPs and all extraction wells for both the 4-week and 4-month post-operation monitoring period, then the gas extraction wells can be plugged and abandoned, and the UCSF GMPs will be incorporated into the regular gas monitoring program. • If all gas and vapor concentrations meet project completion criteria in all landfill perimeter GMPs outside the barrier wall and in all passive vents for both the 4-week and 4-month post-operation monitoring period, then the passive vents can be sealed shut or abandoned, and regular gas monitoring will continue for the perimeter GMPs to the end of the post-closure care period.
Tolerable Limits on Decision Errors • Site-specific sampling objectives and the media being monitored negate the use of statistical methods because specific sampling locations are defined by unit operations and potential exposure points. Tolerable limits on decision errors cannot be precisely defined because the project criteria precisely define action concentrations.
Optimization of Sampling Design • Extraction systems are to be monitored between the carbon vessels, between the carbon and Hydrosil vessels, after the Hydrosil vessel at the system effluent, and at hose connections to the well head and the extraction and treatment units. • Influent gas concentrations are to be monitored at the wellhead of the extraction wells and passive vents. • Gas concentrations at GMPs are to be monitored at the wellhead.

TABLE 5

LABORATORY REPORTING LIMITS FOR EPA METHOD TO-14A
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Volatile Organic Compounds	Laboratory Reporting Limit ($\mu g/m^3$)
1,1,1-Trichloroethane	2.7
1,1,2,2-Tetrachloroethane	3.4
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8
1,1,2-Trichloroethane	2.7
1,1-Dichloroethane	2.0
1,1-Dichloroethylene	2.0
1,2,4-Trichlorobenzene	14.8
1,2,4-Trimethylbenzene	2.5
1,2-Dibromoethane	3.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5
1,2-Dichlorobenzene	3.0
1,2-Dichloroethane	2.0
1,2-Dichloropropane	2.3
1,3,5-Trimethylbenzene	2.5
1,3-Butadiene	4.4
1,3-Dichlorobenzene	3.0
1,4-Dichlorobenzene	3.0
2-Butanone	5.8
2-Hexanone	8.2
4-Ethyltoluene	10.0
4-Methyl-2-pentanone	8.2
Acetone	4.8
Benzene	1.6
Bromodichloromethane	3.4
Bromoform	20.8
Bromomethane	1.9
Carbon disulfide	6.4
Carbon tetrachloride	3.1
Chlorobenzene	2.3
Chloroethane	1.3
Chloroform	2.4
Chloromethane	1.0
cis-1,2-Dichloroethene	2.0
cis-1,3-Dichloropropene	2.2
Cyclohexane	6.8

TABLE 5 (Continued)

LABORATORY REPORTING LIMITS FOR EPA METHOD TO-14A
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Volatile Organic Compounds	Laboratory Reporting Limit ($\mu g/m^3$)
Dibromochloromethane	17.2
Dichlorofluoromethane	8.4
Ethanol	3.8
Ethylbenzene	2.2
Heptane	8.0
Hexachlorobutadiene	21.2
Hexane	7.2
Isopropyl alcohol	5.0
m,p-Xylenes	2.2
Methylene chloride	2.0
MTBE	7.2
o-Xylene	2.2
Propylene	3.6
Styrene	2.1
trans-1,2-Dichloroethylene	8.0
trans-1,3-Dichloropropene	2.2
Tetrachloroethylene	3.4
Tetrahydrofuran	6.0
Toluene	1.9
Trichloroethene	2.7
Trichlorofluoromethane	10.4
Vinyl acetate	7.0
Vinyl chloride	1.3

Notes:

EPA U.S. Environmental Protection Agency
MTBE Methyl-tertiary-butyl-ether
TO Toxic Organics
$\mu g/m^3$ Micrograms per cubic meter

TABLE 6

EPA REGION IX PRGs FOR AMBIENT AIR
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Compound	PRG[a]	Unit
1,1,1-Trichloroethane	1,000	$\mu g/m^3$
1,1,2-Trichloro-1,2,2-trifluoroethane	31,000	$\mu g/m^3$
1,1,2-Trichloroethane	0.12	$\mu g/m^3$
1,1-Dichloroethane	520	$\mu g/m^3$
1,2,4-Trichlorobenzene	210	$\mu g/m^3$
1,2,4-Trimethylbenzene	6.2	$\mu g/m^3$
1,2-Dibromomethane	NA	$\mu g/m^3$
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NA	$\mu g/m^3$
1,2-Dichlorobenzene	210	$\mu g/m^3$
1,2-Dichloroethane	0.074	$\mu g/m^3$
1,2-Dichloropropane	0.099	$\mu g/m^3$
1,3,5-Trimethylbenzene	6.2	$\mu g/m^3$
1,3-Butadiene	0.0037	$\mu g/m^3$
1,3-Dichlorobenzene	3.3	$\mu g/m^3$
1,4-Dichlorobenzene	0.31	$\mu g/m^3$
2-Butanone	1,000	$\mu g/m^3$
2-Hexanone	NA	$\mu g/m^3$
4-Ethyltoluene	NA	$\mu g/m^3$
4-Methyl-2-pentanone	83	$\mu g/m^3$
Acetone	370	$\mu g/m^3$
Benzene	0.25	$\mu g/m^3$
Bromomethane	5.2	$\mu g/m^3$
Carbon dioxide	NA	%
Carbon disulfide	730	$\mu g/m^3$
Carbon tetrachloride	0.13	$\mu g/m^3$
Chlordane[b]	0.019	$\mu g/m^3$
Chlorobenzene	62	$\mu g/m^3$
Chloroethane	2.3	$\mu g/m^3$
Chloroform	0.084	$\mu g/m^3$
Chloromethane	1.1	$\mu g/m^3$
Cyclohexane	21,000	$\mu g/m^3$
Dichlorodifluoromethane	210	$\mu g/m^3$
cis-1,2-Dichloroethene	37	$\mu g/m^3$
trans-1,2-Dichloroethylene	73	$\mu g/m^3$
trans-1,3-Dichloropropene	0.48	$\mu g/m^3$
Ethylbenzene	1,100	$\mu g/m^3$

TABLE 6 (Continued)

EPA REGION IX PRGs FOR AMBIENT AIR
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Compound	PRG[a]	Unit
Ethanol	NA	$\mu g/m^3$
Hexachlorobutadiene	0.086	$\mu g/m^3$
Hexane	210	$\mu g/m^3$
Heptane	NA	$\mu g/m^3$
Isopropyl Alcohol	NA	$\mu g/m^3$
Methane	NA	ppmv
Methane	NA	%
Methylene chloride	4.1	$\mu g/m^3$
Nitrogen	NA	%
NMOC	NA	ppmv
Oxygen	NA	%
Polychlorinated biphenyls (PCBs)[b]	0.0034	$\mu g/m^3$
Polypropylene[b]	NA	$\mu g/m^3$
Propylene	NA	$\mu g/m^3$
Radon[b]	NA	$\mu g/m^3$
Styrene	1,100	$\mu g/m^3$
Tetrachloroethylene	3.3	$\mu g/m^3$
Tetrahydrofuran	0.99	$\mu g/m^3$
Toluene	400	$\mu g/m^3$
Trichloroethene	1.1	$\mu g/m^3$
Trichlorofluoromethane	7,300	$\mu g/m^3$
Vinyl chloride	0.22	$\mu g/m^3$
m,p-Xylenes	730	$\mu g/m^3$
o-Xylene	730	$\mu g/m^3$

Notes:

a	NA is listed for compounds with no PRG
b	No analysis for this compound was performed during initial EPA Method TO-14 testing

EPA	U.S. Environmental Protection Agency
μ/m^3	Micrograms per cubic meter
NA	Not applicable
NMOC	Nonmethane organic compound
PCB	Polychlorinated biphenyl
ppmv	Parts per million by volume
PRG	Preliminary remediation goal
TO	Toxic Organics

TABLE 7

SAMPLING PROCEDURES AND METHODS
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Task	Media	Analyte	Analytical Test	Method
Gas Extraction	Gas	VOCs, NMOCs, methane	Concentration: GEM 2000 and PID Presence and concentration (collected in Summa canister)	Conducted in field in accordance with GEM 2000 Operation Manual and TtEMI SOPs Nos. 003 and 074 (Appendix C) Analyses conducted at laboratory include EPA Method TO-14A and CFR TM-3C
Passive Venting	Gas	VOCs, NMOCs, and methane	Concentration: GEM 2000 and PID Presence and concentration (collected in Summa canister)	Conducted in field in accordance with GEM 2000 operation manual and TtEMI SOPs Nos. 003 and 074 (Appendix C) Analyses conducted at laboratory include EPA Method TO-14A and CFR TM-3C

Notes:

CFR	*Code of Federal Regulations*
EPA	U.S. Environmental Protection Agency
NMOC	Nonmethane organic compound
PID	Photoionization detector
SOP	Standard operating procedure
TM	Test method
TO	Toxic Organics
TtEMI	Tetra Tech EM Inc.
VOC	Volatile organic compound

TABLE 8

ANALYTES AND SAMPLE VOLUMES
EXTRACTION, MONITORING, AND MAINTENANCE PLAN
LANDFILL GAS REMOVAL ACTION
PARCEL E INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Analysis	Method	Sample Volume and Container	Extra MS/MSD Volume	Preservation	Analytical Holding Time
Volatile Organic Compounds	EPA Method TO-14A	1-L Summa Canister	LCS/LCSD	NA	NS
Methane	CFR TM-3C	1-L Summa Canister	LCS/LCSD	NA	NS

Notes:

CFR	*Code of Federal Regulations*
EPA	U.S. Environmental Protection Agency
L	Liter
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
MS	Matrix spike
MSD	Matrix spike duplicate
NA	Not applicable
NS	Not specified
TM	Test method
TO	Toxic Organics

APPENDIX A

MONITORING LOG FORMS

(Four Pages)

Tetra Tech EM Inc.

AIR MONITORING LOG

Date ____

Meter Type ____________________________________

SN ____

Date Calibrated ___________________________________

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
		CES-Landtec	GEM 2000		Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
		CES-Landtec	GEM 2000		Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
		CES-Landtec	GEM 2000		Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
		CES-Landtec	GEM 2000		Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
		CES-Landtec	GEM 2000		Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Name: _____
Date: _____

Tetra Tech EM Inc.

PERFORMANCE MONITORING LOG

Sampling Location							GEM2000				PID			
Location ID	Description (for example, GMP/ Well/Before Carbon/After Hydrosil)	Water Level (feet below casing)	Time	Temp (° C/° F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM -%)	CO_2 (%)	O_2 (%)	LEL (%)	NMOCs (ppm)	Background NMOCs (ppm)	Recovery Blower Flowrate (cfm)	Notes

Notes:

cfm	Cubic feet per minute
GMP	Gas monitoring probe
Hg	Mercury
ID	Identification
LEL	Lower explosive limit
NMOC	Nonmethane organic carbon
PID	Photoionization detector
ppm	Parts per million

APPENDIX B

MANUFACTURERS' OPERATION AND MAINTENANCE MANUALS AND EQUIPMENT SPECIFICATIONS

(30 Pages)

Operations and Maintenance Manual

Prepared For:
Innovative Technical Solutions
Walnut Creek, CA

Prepared by:
CARBONAIR Environmental Systems, Inc.
2731 Nevada Avenue North
New Hope, MN 55427-2864
Project Manager: Mike Keilen
CARBONAIR Project No.: 15072

September 5, 2002

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1. INTRODUCTION

2. SYSTEM DESCRIPTION

3. CONTROLS DESCRIPTION

4. START UP AND SHUT DOWN PROCEDURE

5. MAINTENANCE SCHEDULE

6. TROUBLE SHOOTING GUIDE

7. TESTING REPORTS

APPENDICES

A. SVE System
   - Carbonair CE404
   - Blower: Rotron EN404AR58ML

B. Off Gas Treatment System
   - GPC-3 Carbon Vessel
   - GPC-3 Vessel with Hydrosil

1. INTRODUCTION

CARBONAIR Environmental Systems Incorporated is the supplier of the soil remediation equipment for Innovative Technical Solutions to be installed at the Hunters Point Shipyard in San Francisco, CA. This Operation and Maintenance Manual contains important documentation and provides specific operation and maintenance information for this system and individual components.

Section 2 provides a description of the groundwater treatment system. This section is useful for learning about the process and system operating conditions.

Section 3 contains the Control Panel Schematic and a description of the system controls.

Section 4 contains start up and shut down procedures.

Section 5 contains a maintenance schedule for the system; the provided schedule is a summary of the recommended routine mainte nance items. Additional maintenance items or shorter maintenance intervals may be required depending on operating conditions.

Section 6 contains troubleshooting guide for the system. The troubleshooting guide has been created to aid in simple troubleshooting tasks. More involved troubleshooting methods can be found in the appendices, or by calling CARBONAIR.

Section 7 includes the test reports generated prior to shipping the equipment.

The appendices contain the original equipment manufacturers' operation and maintenance manuals, and specification sheets.

If you have any questions or problems please contact CARBONAIR at (763) 544-2154.

2. SYSTEM DESCRIPTION

Scope
The soil treatment system described in this section is located at the Hunters Point Shipyard site.

The System Component Summary lists the major items in each system. The System Description describes how the contaminated vapor moves through the system listing each of the major components. For details on each of the items listed, refer to the Component Description immediately following the System Description.

System Component Summary
The following tables list the major items in each system:

Item Description	P&ID Designation	Manufacturer	Model #
Soil Vapor Extraction System		CARBONAIR	CE404
SVE Moisture Separator		Rotron	MS200P
SVE Blower		Rotron	EN404AR58ML
Vapor Treatment System			
Carbon & Hyrdosil		CARBONAIR	GPC-3

System Description

Two systems were provided on trailers with an SVE blower system and off gas treatment. Four of the systems, were skid mounted systems with only off gas treatment.

The trailer systems require 240 VAC, 1 phase power connected to the starter box for the motor. The blowers are used to induce a vacuum on the ground to pull vapors from the ground.

The off gas in either system is treated by two vapor phase carbon vessels and one hydrosil vessel. The carbon removes the VOC contaminants and the hydrosil removes the vinyl chloride.

Soil Vapor Extraction System
The vapor/water mixture is extracted from the ground via the SVE manifold. The vapor/water enters the moisture separator where moisture is removed and the vapor is filtered and discharged. Water collects in the moisture separator. The system should be routinely inspected and drained of water. The frequency will be dependant on the amount of water developed from the ground.

Component Descriptions

Soil Vapor Extraction System (only the trailer systems have the SVE option)

A CARBONAIR model CE404 soil vapor extraction system was supplied for the trailers. The soil vapor extraction system includes the following items

SVE Moisture Separator

The moisture seperator supplied as a part of the CARBONAIR CE656 SVE system has a capacity of 10 gallons.

SVE Blower

A Rotron model EN404AR58ML Regenerative blower was supplied with the SVE system. The blower provides up to 50 scfm and 40 in w.c. vacuum. The blower has a 1 hp, 230V, one phase, EXP motor. The SVE blower provides a vacuum for the Soil Vapor Extraction wells

Vapor Treatment System (included with all systems)

Vapor Phase Carbon

Each system includes (2) Carbonair model GPC3 vapor phase carbon vessels. The vessels have hose connections and are operated in series. Each vessel has a discharge sampling point. Each carbon vessel is filled with 200 Ibs of vapor phase carbon.

Hydrosil Vessels

Each system includes (1) Carbonair model GPC3 hydrosil vessel. The vessel has hose connections and is operated in series with the carbon vessels. The vessel has a discharge sampling point. Each hydrosil vessel is filled with 400 Ibs of hydrosil.

3. CONTROLS DESCRIPTION

The trailer mounted units were supplied with a starter for the SVE motor. An electrician will need to wire the starter with 240 VAC, 1 phase power. Rotation of the blower must be verified and correct if rotation is backwards. The motor amperage should be checked on each leg during operation to make sure the system is operating within the nameplate amperage of the motor. The system will shut down only if the internal motor temperature switch opens.

4. STARTUP AND SHUTDOWN PROCEDURE

Start up Procedures:
Before starting any system, thoroughly inspect the system for signs of damage. Then, read the start up procedure.

Control Panel 1 phase, 240V
WARNING! – Do not power the panel until this procedure is complete. Damage to the panel may result.
1. Switch the disconnect to the "OFF" position and open the inner door. Verify that the inner door disconnect is in the off position.
2. Switch on the main incoming power to the panel. CAUTION! - The disconnect now has power!
3. Confirm that incoming power is 240 V on all phases. 4. Record the following operating conditions:

L1 to ground _____ V
L2 to ground _____ V
L1 to L2 _____ V

5. Be sure that all circuit protectors are reset.

Regenerative SVE

1. Verify that all influent and effluent connection have been made, and open all inlet, outlet, and bleed valves to ensure that there are no restrictions on the blower. Close all sample taps.
2. Verify that the panel is operational and installed correctly (see panel start up procedures)
3. Bump the blower to verify rotation by holding the SVE blower HOA in the "HAND" position. Rotation arrows are located on the blower to signify proper rotation. It is pertinent to physically verify the proper flow. This can be achieved by testing to see if there is suction on the SVE bleed line. If rotation is backwards, have an electrician exchange two of the power leads. **Be sure to lock out and tag the main incoming power. Verify that there is not power with a multimeter.**
4. Once rotation has been confirmed to be correct, put the SVE blower HOA in the "AUTO" position to start the blower. Let the blower run with no load for a few minutes.
5. Throttle the inlet bleed valve until operating conditions are reached. Depending on the actual well restriction, the operating vacuum may not be reached. The desired flow conditions at the well header can now be adjusted.
6. Record the following applicable operating conditions:

   SVE inlet vacuum _____

   SVE motor amp draw _____

Pressure drop across the knock out filter _____

SVE exhaust temperature _____

SVE exhaust pressure _____

SVE flow rate _____

Shut Down Procedures

CAUTION! – When disabling any motor or piece of equipment be certain that all source of power and fluid have been locked out and tagged.

Regenerative SVE

1. Remove all water from the moisture separator.
2. Run blower for 10 minutes with clean dry air only.

5. MAINTENANCE

This section should be used as a guide for general maintenance items. The recommended maintenance intervals are based upon past experience with the equipment and equipment manufactures' literature. It is important to use discretion when implementing the maintenance schedule. Unforeseen operating condition may require additional maintenance.

Maintenance Schedule

System	Task	Recommended frequency
Moisture Separator	Clean/replace inlet filter and demister	When differential pressure across the filter exceeds 15"H_20.
	Clean sump, site glass, pump down switch	As needed, depending on water quality. Recommend initial inspection after six month.
Filter	Blower filter cleaning or replacement	As needed, depending on air quality conditions
Blower	Grease blower motor bearings with NLGI #2. Grease, if applicable.	Yearly
Vapor Phase Carbon/Hydrosil Units	Replace carbon	As needed, depending on the operating conditions. See carbon modeling to estimate the bed life of the carbon.

6. TROUBLE SHOOTING

System	Problem	Possible cause	Solution
SVE Blower	Blower will not operate		
		Tripped circuit protector	Open the inner door and reset the circuit protector. A tripped circuit protect can be an indication of a problem. Inspect the system thoroughly and check the operating conditions.
		Motor temperature switch is inoperative	Check to see that the motor temperature switch has been wired, or that there is a jumper, if a switch is not present.
	Blower runs at a reduced performance	Faulty Blower	Refer to Appendix or contact CARBONAIR for help in diagnosing faulty blower.
		Incorrect blower rotation	Verify and change rotation
		Inlet filter fouled	Clean or replace inlet filter
		Excessive effluent pressure	Verify operating condition. Ensure that there is not excessive backpressure on the unit, (i.e. reduced pipe sizes, fouled Carbon bed, or fouled CATOX.)

7. TESTING REPORTS

CARBONAIR®
ENVIRONMENTAL SYSTEMS

System Testing & QC Report

Job Name: Innovative Technical Solutions	**Carbonair Job # 15072**
Project Manager: Mike Keilen	Control Specialist:
Regional Sales Manager: Chris Morgan	Engineer Specialist:
Carbonair Field Service Rep.:	
Site Supervisor / Customer Rep.:	

(General) System Components

Component Description (Mfg, hp, voltage, Ø, etc.)	Motor nameplate amps√	Tested amp draw @ volts	Rotation √	CFM/PSI/Flow √	Mfg √	Field √
Trailer #1 SVE *Rotron EN404, 230 VAC, 1 phase, EXP*	FLA=6 Max=7.2	40"wc=6.5A =50cfm	*x*	*Relief @ 43"wc*	X	
Trailer #2 SVE *Rotron EN404, 230 VAC, 1 phase EXP*	FLA=6 Max = 7.2	40"wc=6.6A= 55 cfm	*X*	*Relief @ 46"wc*	X	

Control & Monitoring Instrumentation (Flow meters, Gauges, LEL's, Etc)

Description	Mfg. √	Field √	Description	Mfg √	Field √

Mechanical Inspection

Description	Mfg. √	Field √	Description	Mfg. √	Field √

Operation & Maintenance Manual

Carbonair Model CE-404/1

Skid Mounted SVE System

CONTENTS

1.0	*Safety Precautions*	*1*
2.0	*Equipment Description*	*1*
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1.0 SAFETY PRECAUTIONS

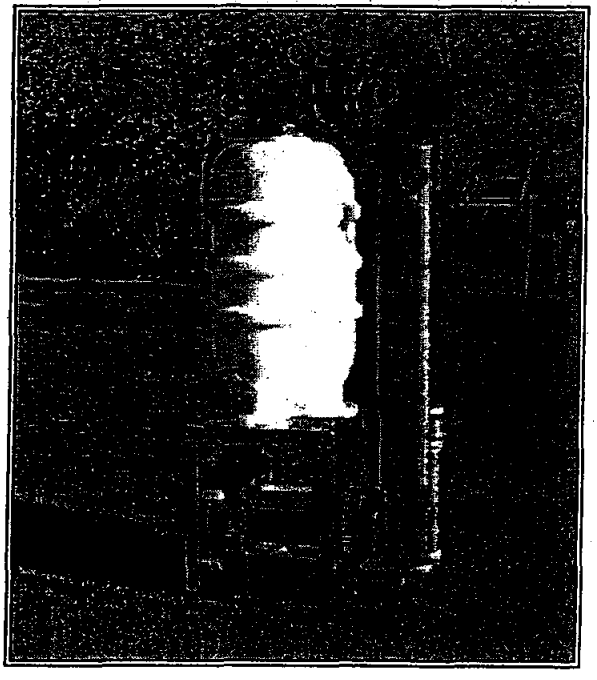
Failure to observe these precautions could result in serious bodily injury and/or property damage.

- Be sure you thoroughly read & understand this O & M Manual before beginning operation. If you have any questions, please call Carbonair Environmental Systems, Inc. at (800) 526-4999.
- Be sure all electrical disconnects are "OFF" and locked out before servicing.
- Take time to record your specific operating parameters on page 8.

2.0 EQUIPMENT DESCRIPTION

Carbonair's Model CE-404/1 skid mounted soil vapor extraction (SVE) system is an integrated equipment and control package designed for high performance, portability and ease of use. Carbonair's unique stacked design saves space without sacrificing performance.

Figure No.1
Typical Skid Mounted SVE System



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optional wheel assembly and two wheel cart are also available to make it easier to move the unit as required.

The following table outlines the specifications of the typical CE-404/1 skid mounted SVE system.

Table No.1
CE-404/1 System Specifications

#	Design Parameter	Specification
1	Maximum Flow	107 cfm
2	Minimum Flow	0 cfm
3	Maximum Vacuum	- 52" W.C.
4	Motor Enclosure	Explosion Proof
5	Blower Motor	1.0 hp
6	Voltage	115/230
7	Maximum Blower Amps	14.5/7.2
8	Phase	Single
9	Discharge Pipe Size	1½"
10	Shipping Weight	192 lbs
11	System Dimensions	56" H x 28" L x 23" W

The CE-404/1 skid mounted SVE system has the following standard features:

- ✔ appropriately sized explosion proof Rotron regenerative blower,
- ✔ coated carbon steel frame,
- ✔ vacuum gauges,
- ✔ replaceable air filter element,
- ✔ air filter housing,
- ✔ pre-filter vacuum relief valve,
- ✔ appropriately sized moisture separator,
- ✔ oversized piping,
- ✔ fluid & sludge drain.

Optional features include:

- ✔ NEMA 7 enclosed manual starter w/thermal overload,
- ✔ NEMA 3R or NEMA 4 enclosed manual starter switch,
- ✔ custom control panel with appropriate NEMA enclosure,
- ✔ UL-listed control panel,
- ✔ blower muffler,
- ✔ additional vacuum gauges,
- ✔ high level switch,
- ✔ temperature gauges,
- ✔ post-filter vacuum relief valve,
- ✔ discharge pump for moisture separator with explosion proof level controls,
- ✔ trailer mounted or custom enclosure,
- ✔ calibrated flow monitoring assemblies,

3.0 PROCESS DESCRIPTION

Carbonair's CE-404/1 skid mounted SVE system is designed to provide an efficient and economical means in which to extract vapors from contaminated soils.

Contaminated vapors are drawn into the side of the moisture separator tank where excessive moisture is removed from the air flow stream. Controlled amounts of dilution or make-up air can be introduced into the influent air flow stream through a control/isolation valve to optimize blower performance and minimize excessive blower discharge temperatures. The moisture separator is equipped with a drain valve at the bottom of the tank to remove condensate as required.

After the moisture has been separated from the air flow stream, particulates are removed by an in-line air filter. Filtering the air to remove particulates is an essential part of the process because it helps to protect the blower from excessive wear and prevent vibration resulting from solids buildup on the impeller.

From the filter, the air is drawn into the blower and is then discharged directly into the

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atmosphere or may be directed to an off-gas treatment system like vapor phase carbon for further treatment. An optional silencer can be used in the discharge stack to reduce operating noise levels if necessary.

4.0 INSTALLATION

Be sure to carefully read all installation instructions before beginning the installation of the CE-404/1 skid mounted SVE system.

4.1 Inspection

Upon receipt of the CE-404/1 skid mounted SVE unit, and before the unit is removed from the truck, be sure to perform a complete inspection for damage.

DO NOT operate the unit if it has been damaged since this could result in personal injury and/or damage to other equipment. If the CE-404/1 skid mounted SVE system sustains damage during transit, notify the carrier and call Carbonair immediately at (800) 526-4999.

4.2 Loading & Unloading

When handling the CE-404/1 skid mounted SVE system, be careful not to damage any of the system components, fittings, and inlet/outlet ports.

The CE-404/1 unit weighs approximately 192 pounds, is relatively compact and is mounted on a skid which makes it easy to load and unload using a forklift. Since the most of the weight is contributed by the blower which is located at the bottom of the unit, it is very stable and difficult to tip over. However, the unit should be strapped in place during transport as an added safety precaution.

Be sure to use the proper equipment and follow proper safety procedures when loading & unloading the CE-404/1 unit.

4.3 Connections

After the CE-404/1 skid mounted SVE system has been properly inspected and positioned on site, process connections can be made.

The SVE unit is shipped with all nozzles and ports covered. This is done as a safety precaution and also to prevent equipment damage. The covers must be removed prior to making the necessary piping connections.

Once the system is in place and the connections are ready, make the necessary connections as outlined below. If there are any special connection requirements, assistance is available by calling Carbonair at (800) 526-4999.

1. Attach the exhaust stack extension piping as required.

   ▣ **Note:** ***Be sure to install the discharge piping so as to prevent water from entering the blower.***

2. Connect the inlet air piping to the moisture separator influent coupling.

   ▣ **Note:** ***A standard 2-inch "FERNCO" fitting (model #: 1056-22) is recommended for this connection. If the fitting has not been provided, it can be ordered directly***

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from Fernco @ 1-800-521-1283 or obtained from a local plumbing supplier.

3. Connect the drain pipe or hose to the drain fitting at the bottom of the moisture separator.

4. Install sample ports on the inlet and outlet piping to monitor system performance. Since turbulence and other unique operating conditions may adversely affect the accuracy of sampling results, it is recommended that an emissions expert be consulted to specify the best locations for air sampling and air flow measurements.

5. Make the necessary electrical connections as specified in the Rotron blower O&M manual.

5.0 START-UP

After all the necessary connections are made, proceed with the following start-up procedures:

1. Verify that the drain valve is closed at the bottom of the moisture separator.

2. Verify that the in-line filter is in place and the filter housing cover is closed.

3. Open the dilution air valve on the inlet pipe.

4. Open the process air inlet valve to the SVE skid.

5. Start the SVE blower.

6. Record the vacuum gauge readings at each location.

7. Measure the blower motor current draw and the flow rate through the unit.

8. Adjust the dilution valve position until the current draw and the air flow rate falls within the recommended blower operating range.

9. To achieve optimum performance of the SVE unit during initial start-up, check:

   ✔ motor current draw
   ✔ air flow rate
   ✔ filter pressure differential
   ✔ air leaks
   ✔ inlet & outlet air temperatures

   Refer to the Specific Operating Parameters Section on page no. 8 for project specific information.

6.0 OPERATION

After initial start-up & successful checkout of the SVE unit, long term continuous operation can be initiated.

The CE-404/1 skid mounted SVE system is designed for an operating air flow range of 0 to 107 cfm. Performance of the CE-404/1 unit should be checked periodically by measuring the pressure drop across the filter, blower motor current draw, air flows, temperatures and vacuum levels. Measurement & sampling frequencies will be dictated by process air flows, inlet air characteristics and unique operating conditions.

Be sure to check the Rotron blower O&M manual for normal operating ranges and operating instructions.

7.0 TROUBLE SHOOTING

There are a few situations which may arise

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while operating the CE-404/1 skid mounted SVE system which can adversely effect the performance of the unit and/or result in abnormally high maintenance costs. Most of these situations can be resolved by following the directions which are outlined in the Rotron blower O&M manual.

If any situations cannot be corrected using Rotron O&M manual, contact Carbonair at (800) 526-4999 for additional help.

8.0 MAINTENANCE

There are several maintenance tasks which must be performed periodically to ensure continued, trouble free operation. These tasks are discussed in subsequent sections.

8.1 Filter Replacement

Periodically, the in-line air filter will have to be replaced. As the filter becomes plugged, the air flow through the filter is restricted and the differential pressure increases. Eventually, the blower will begin to overheat resulting in equipment damage.

Carbonair recommends that the filter be replaced before the air flow and SVE blower current draw fall outside of the recommended operating ranges. Refer to the Rotron O&M manual for normal blower operating levels and recommendations for optimizing blower performance.

8.2 Condensate Drainage

Drainage of condensate from the bottom of the moisture separator may be required periodically depending on the inlet gas stream moisture content. This is done by opening the condensate drain valve at the bottom of the tank. The blower must be shut down before the drain valve is opened and then restarted when the valve is closed.

8.3 Waste Disposal

Proper disposal of the contaminated condensate is essential. Be sure to follow all local, state and federal regulations for handling, storing, transporting, disposal of the condensate.

9.0 SPARE PARTS

When ordering spare parts, refer to the drawings at the end of this manual. Be sure to provide the SVE system model number and the complete description of the part.

10.0 DESIGN CRITERIA SUMMARY

Table No. 1 on page 2 outlines the design specifications for the standard CE-404/1 skid mounted SVE system. However, for project specific design parameters, refer to the specific operating section on page 8.

11.0 DRAWINGS

An assembly drawing has been included on page 6 to simplify the part identification and ordering process. A parts list is included along with the corresponding order number.

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Figure No. 4
CE-404/1 skid mounted SVE system Assembly Drawing No. 1

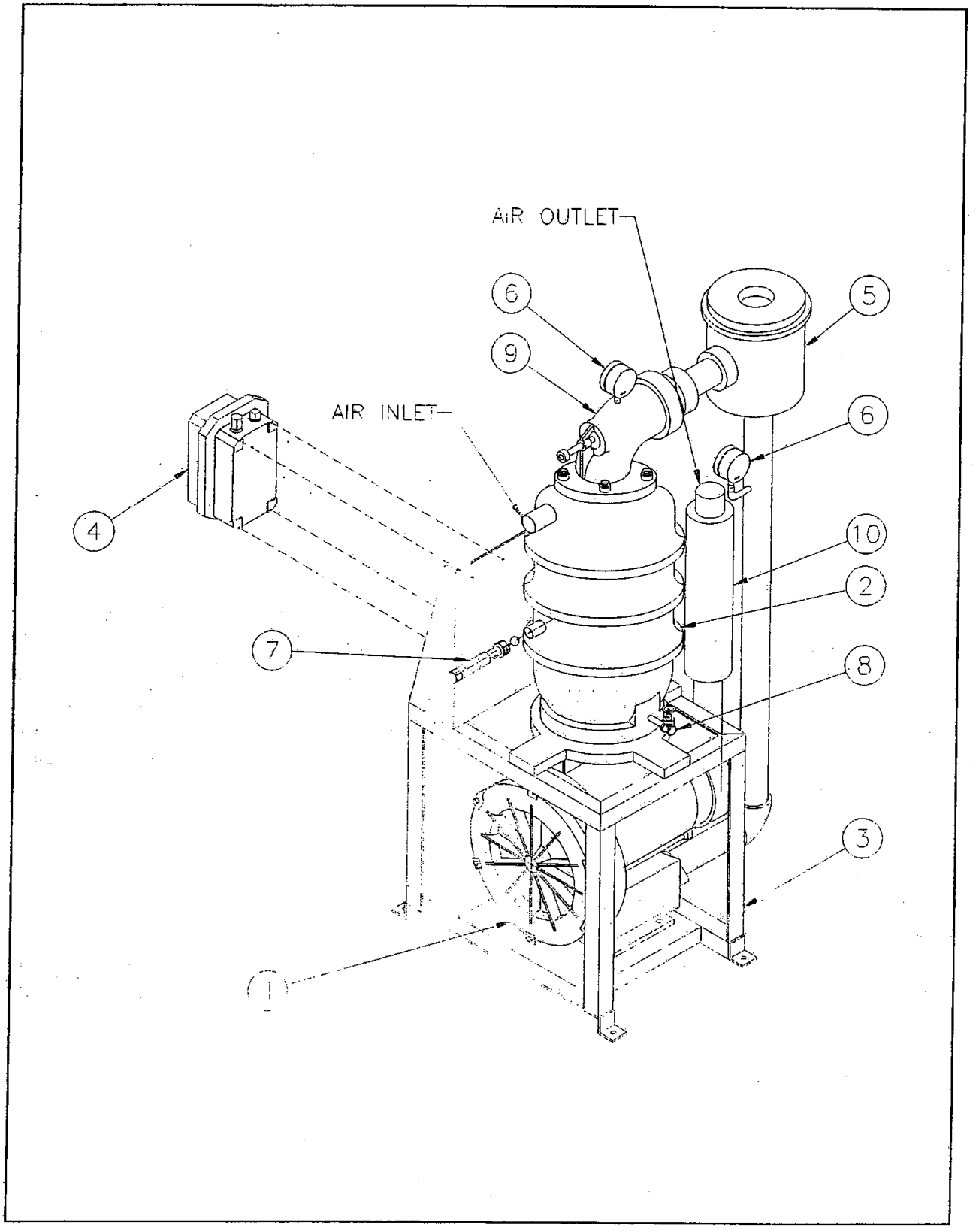

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Table No. 3

CE-404/1 skid mounted SVE system Assembly Drawing Parts List & Order Numbers

#	PART DESCRIPTION	PART NO.
1	Rotron Blower EN404AR58ML	BL 124965
2	Rotron Cyclonic Filter	FI 130804
3	Skid SVE	SK 133956
4	Rotron Electric Motor Starter 1-Phase 230 Volt	ST 130878
5	Rotron In-Line Filter	FI 130861
6	Vacuum Gauge 1/4 0-60	GA 136386
7	Level Switch	SW 134436
8	Drain	---
9	Vacuum Relief Valve	---
10	Silencer	MU 119224

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13.0 SPECIFIC OPERATING PARAMETERS

Job _____

Carbonair's Serial Number _____

Inlet Air Flow Rate _____

Inlet Temperature (°F) _____

Outlet Temperature (°F) _____

Inlet Relative Humidity (%) _____

Differential Pressure Range ("W.C.) _____

Pre-Filter Vacuum (" W.C.) _____

Post-Filter Vacuum ("W.C.) _____

Blower Motor Phase Single ☐ Three Phase ☐

Current Draw Range (amps) _____

Blower Current Draw (amps) _____

Contaminant Description _____

Contaminant Concentration _____

Contaminant Mass Flow _____

OPTIONAL FEATURES INCLUDED:

NEMA 7 Enclosure	☐	High Level Switch	☐
NEMA 3R Enclosure	☐	Post-Filter Vacuum Relief Valve	☐
NEMA 4 Enclosure	☐	Discharge Pump w/ Controls	☐
Custom Control Panel	☐	Trailer Mounted	☐
UL-Listed Control Panel	☐	Custom Enclosure	☐
Blower Muffler	☐	Flow Monitoring Assemblies	☐
Additional Vacuum Gauges	☐		

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Operation & Maintenance Manual

Carbonair Model GPC-3

Gase Phase ~~Carbon~~ Adsorber

HYDROSIL

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Fact sheet #4	*Attached*

1.0 SAFETY PRECAUTIONS

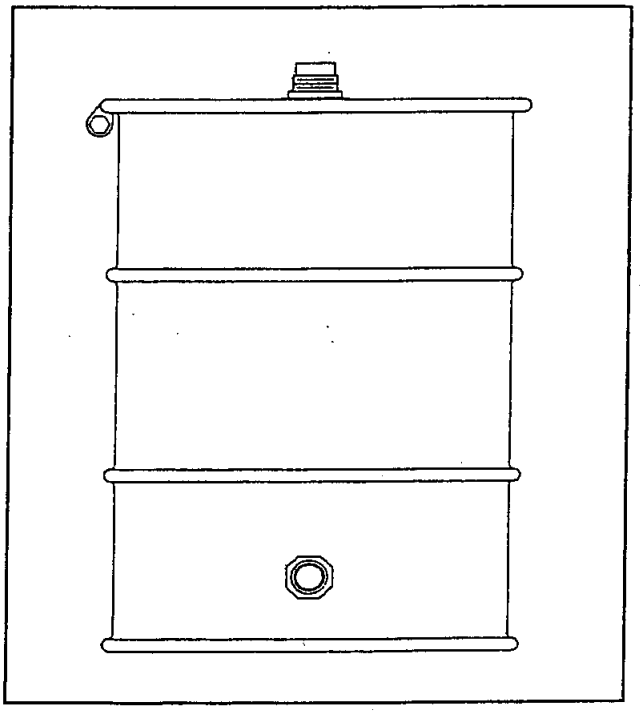
Failure to observe these precautions could result in serious bodily injury and/or property damage.

- Be sure you thoroughly read and understand this O&M Manual before beginning operation. If you have any questions, please call Carbonair Environmental Systems, Inc. at (800) 526-4999.
- Be sure all electrical disconnects are "OFF" and locked out before servicing.
- Always wear gloves, eye protection and protective clothing when working with the carbon vessel.
- Obtain an activated carbon Material Safety Data Sheet (MSDS) for more detailed safety and handling information (available upon request).
- Take time to record your specific operating parameters on page 9.

2.0 EQUIPMENT DESCRIPTION

Carbonair's GPC-3 gas phase carbon adsorbers are fabricated using standard 55-gallon steel drums. The units are compact and drum-dolly compatible, making installation quick and trouble-free.

Figure No. 1
Typical GPC Unit



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4.3 Connections

After the GPC-3 gas phase carbon adsorber has been properly inspected and positioned on site, process connections can be made.

The GPC unit is shipped with all nozzles and ports covered. This is done as a safety precaution and to prevent moisture from contaminating the activated carbon in the vessel. The covers must be removed prior to making the necessary piping connections.

1. Attach the exhaust stack, avoiding unnecessary restrictions in the off-gas ducting. Ducting should be sized for minimum friction loss according to the design air flow rate for the unit. When in doubt, ducting should match the size of the GPC-3 air outlet port.

Note: Be sure to install a cap (which does not significantly restrict the airflow) on the discharge stack to prevent water from entering the carbon vessel – if one has not already been provided.

2. Connect the inlet air piping to the influent flange or coupling. All interconnecting piping should be self-supporting.

3. Carbonair recommends installing a pressure gauge (rated in inches of water) and sampling tap in both the inlet and the outlet piping to assist in the evaluation of GPC system performance. The inlet and the outlet pressure gauges provide the ability to calculate the pressure drop across the unit. The sample taps provide the ability to collect representative gas samples for contaminant removal performance determinations.

5.0 START-UP

After all the necessary connections are made, proceed with the following start-up procedures:

1. Start the process air source to begin the introduction of air into the GPC Unit.

2. Record the inlet and outlet pressures and note the pressure drop across the unit. Measure the inlet air flow and then check the Pressure Drop Chart in Figure No. 2. Verify that the unit is operating according to the design curve.

3. To achieve optimum performance of the GPC unit during initial start-up, check:

✓ The air flow rate
✓ The pressure drop
✓ For air leaks
✓ The inlet air temperature
✓ The inlet air relative humidity

Refer to the Specific Operating Parameters Section on Page 9.

6.0 OPERATION

After initial start-up and successful checkout of the GPC unit, long term continuous operation can be initiated.

The GPC-3 gas phase carbon adsorber is designed for a nominal air flow rate of 75 cfm, an optimum relative humidity of 50% and a maximum inlet operating temperature of 100 degrees F. The inlet flow rate, relative humidity and the temperature must be regularly monitored to verify compliance with GPC-3 design operating criteria. This will ensure optimum contaminant removal performance of the unit.

Note: For further information regarding the effects of humidity and temperature on vapor phase carbon performance, refer to the attached fact sheet.

Performance of the GPC-3 unit should be checked periodically by measuring the pressure drop across the unit and evaluating the contaminant removal of the carbon bed by sampling inlet and outlet gas streams. Measurement & sampling frequencies will be dictated by process air flows and inlet contaminant concentrations.

As the carbon bed adsorbs contaminants and moisture from the flow stream, the pressure drop across the unit may increase. The operation should be terminated and the carbon replaced when the effluent concentration of the critical contaminant approaches the discharge limit. Again,

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3. **Situation**

Unusually low pressure drop across the unit (see the Pressure Drop Chart, Figure No. 2).

Cause:

This could be caused by the following:

- ✓ Low activated carbon level on carbon bed.
- ✓ Low inlet gas flow.
- ✓ Larger activated carbon particle size being used than is required.

Solution:

- Verify inlet gas flows.
- Check the carbon bed depth.
- Verify the activated carbon particle size against the design specification.

8.0 MAINTENANCE

Periodically, the spent activated carbon will have to be replaced. Carbonair recommends replacing the entire unit rather than replacing only the carbon in the vessel.

8.1 Waste Disposal

Proper disposal of spent carbon and any contaminated condensate is essential. Be sure to follow all local, stat and federal regulations for handling, storing, transporting, disposal and reactivation of spent carbon and condensate.

The spent activated carbon can be sent to Carbonair for reactivation or a licensed reactivation facility for recycling. However, before the contaminated material can be shipped, a "Spent Carbon Identification Sheet" must be completed and sent to Carbonair. Other forms may also be required depending on the hazardous/non-hazardous classifications of the contaminants adsorbed. Carbonair will not accept spent carbon until all the necessary forms have been completed. In addition, Carbonair cannot accept hazardous carbon at its facility.

9.0 SPARE PARTS

When ordering spare parts, refer to the drawings at the end of this manual. Be sure to provide the vessel model number and the complete description of the part.

10.0 DESIGN CRITERIA SUMMARY

The following table outlines the design criteria for the GPC-3 gas phase carbon adsorber.

Table No. 2
Design Criteria Summary

ADSORPTION ZONE		
#	Design Parameter	Specification
1	~~Carbon~~ Bed Depth	~ 28 inches
2	~~Carbon~~ Bed diameter	24 1/2 inches
3	~~Carbon~~ Bed Length	N/A
4	~~Carbon~~ Bed Area	2.7 square feet
5	~~Carbon~~ Bed Volume	5 cuft
6	~~Carbon~~ Bed Weight	~ ~~150~~ lbs. 400 lbs.
GAS FLOW		
#	Design Parameter	Specification
1	Direction	Upward Flow
2	Type	Forced Draft
3	Nominal Flow	75 cfm
4	Optimum Relative Humidity	50%
5	Maximum Inlet Gas Temperature	100° F

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Figure No. E
GPC-3 Assembly Drawing No. 1

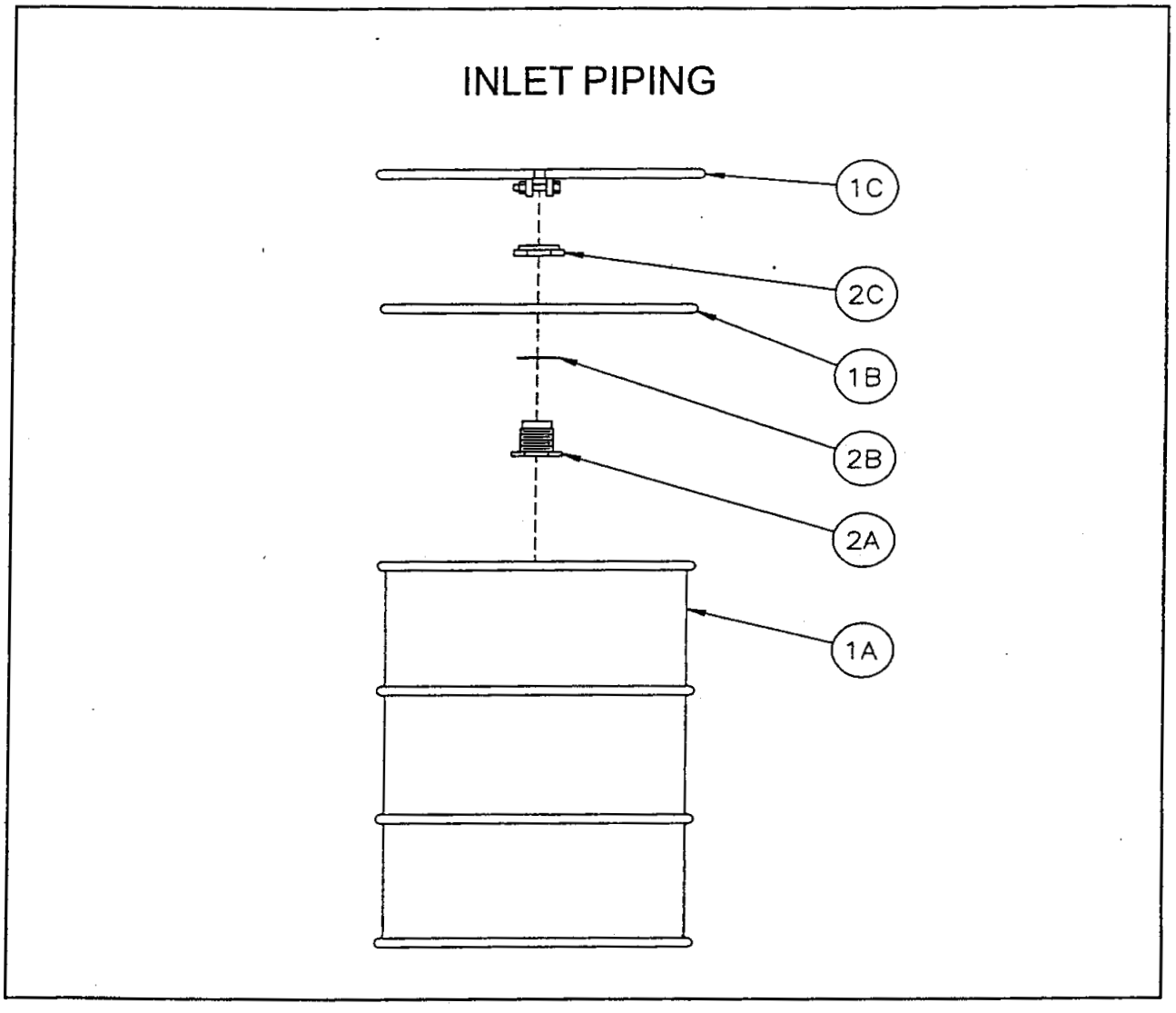

Table No. 3
GPC-3 Assembly Drawing Parts List

#	PARTS DESCRIPTION
1A	Drum 55-gallon Steel
1B	Drum Cover
1C	Drum Clamp Ring
2A	Bulkhead Fitting Body
2B	Bulkhead Fitting Gasket
2C	Bulkhead Fitting Nut

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13.0 SPECIFIC OPERATING PARAMETERS

Job _____

Carbonair's Serial Number _____

Recommended Activated Carbon _____

Activated Carbon Particle Size Range _____

Inlet Air Flow Rate _____

Inlet Temperature (°F) _____

Inlet Relative Humidity (%) _____

Contaminant Description _____

Contaminant Concentration _____

Contaminant Mass Flow _____

NOTES _____

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HYDROSIL™

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☒ Spectrum™ HS-600,	6% potassium permanganate	Part #_____
☐ Spectrum™ HS-100,	molecular sieve	Part #_____
☐ Spectrum™ XB-17,	50/50 blend by volume of HS-600 and 60% CTC activated carbon	Part #_____
☐ Spectrum™ HS-AC,	60% CTC activated carbon _____ virgin ____ regenerated	Part #_____
☐ Spectrum™ HS-____,	_____	Part #_____

FIRST AID

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Seek medical attention if irritation persists.

Skin: Wash contaminated areas with plenty of soap and water. Remove contaminated clothing, wash before re-use.

Inhalation: Move person out of contaminated area into fresh air.

Ingestion: Give large quantities of water. Induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek medical help immediately.

STORAGE AND HANDLING

Store in cool, dry area in closed containers. Do not store near combustible material. Segregate from acids and peroxides.

Wear safety glasses and rubber or plastic gloves when handling. Use NIOSH/MSHA approved respiratory protection and provide adequate ventilation to prevent overexposure.

WARNING

Avoid contact with eyes, skin and mucous membranes. Harmful if swallowed.

Prolonged inhalation of manganese compounds above the threshol limit-value may cause lung irritation and central nervous syste disorder.

FIRE OR SPILL

In case of fire, soak with water. For disposal, see material safety data

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Lot Number 020813 ☒ lb / ☐ kg 2400 ☐ ft³ / ☐ liter _____ **Mesh Size** 4x6

The following table outlines the specifications of the typical GPC-3 gas phase carbon adsorber unit.

Table No. 1
GPC-3 Structural Specifications

#	Design Parameter	Specification
1	Dimensions	24 1/2" OD x 36 1/2" H
2	Bed Area	2.7 square feet
3	Flow Range	27-100 cfm
4	Carbon Capacity	150 lbs.
5	Inlet Port Diameter	1 1/2 inches
6	Outlet Port Diameter	1 1/2 inches
7	Drain Diameter	N/A
8	Sample Port Diameter	N/A
9	Empty Weight	65 lbs.
10	Operating Weight	275 lbs.

3.0 PROCESS DESCRIPTION

Carbonair's GPC gas phase carbon adsorbers are designed to provide an efficient and economical means in which to control odor, toxic vapors and corrosive gases. Several types of activated carbons are available for a variety of applications. ***For specific information on the activated carbon selected for this particular project, refer to the "Specific Operating Parameters" section at the end of this manual.***

Activated carbon is highly porous and has a large surface area for adsorption. Adsorption is the process by which compounds adhere to the carbon surface. The portion of the carbon bed where adsorption occurs is referred to as the "mass transfer zone". The zone moves upward from the bottom of the bed as the carbon becomes saturated with contaminants. When the bed becomes completely saturated, breakthrough occurs resulting in a loss of treatment performance. The carbon should be replaced before this happens to prevent discharge permit violations and/or excessive odors.

Contaminated air is normally introduced into the bottom of the GPC vessel through the inlet port. As the air is blown into the vessel, the pressure forces the gases up through the carbon bed and then out the discharge stack at the top of the unit. As the gases pass through the carbon bed, contaminants are transferred from the gases to the carbon.

Carbonair strongly recommends that a process air heater be installed prior to the inlet of the GPC unit to reduce the relative humidity. This will increase the contaminant removal efficiency, minimize condensate accumulation and increase the longevity of the activated carbon.

4.0 INSTALLATION

Be sure to carefully read all installation instructions before beginning the installation of the GPC-3 gas phase carbon adsorber.

4.1 Inspection

Upon receipt of the GPC unit, and before the unit is removed from the truck, be sure to inspect the vessel for damage to the shell, all the fittings and the inlet/outlet ports. Structural damage to these items could compromise the integrity of the system.

DO NOT operate the unit if it has been damaged since this could result in contaminant spills, damage to other equipment, or personal injury. If the GPC-3 gas phase carbon adsorber sustains damage during transit, notify the carrier and call Carbonair immediately at (800) 526-4999.

4.2 Loading & Unloading

The GPC-3 unit can be loaded or unloaded by using a drum-dolly. When handling the GPC-3, be careful not to damage the outer shell, fittings, and inlet/outlet ports. The vessel weighs approximately 65 pounds empty and approximately 275 pounds when filled with dry activated carbon. The vessel is usually shipped with activated carbon as defined in the design specifications.

Be sure to use the proper moving equipment and follow proper safety procedures when loading and unloading the GPC unit.

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replacement frequency will depend on specific operating conditions.

Refer to the maintenance section in this manual for details on carbon removal and replacement.

7.0 TROUBLE SHOOTING

There are a few situations which may arise while operating the GPC-3 which can adversely effect the performance of the unit and/or result in abnormally high maintenance costs. If any situations cannot be corrected using the following trouble shooting guide, contact Carbonair at (800) 526-4999 for additional help.

1. **Situation**

Frequent activated carbon media replacement because of fast breakthrough.

Cause:

If the pressure drop, air flow, temperature and relative humidity are within normal ranges and breakthrough occurs more frequently than expected, check inlet gas stream contaminant components and concentrations. Inlet contaminant concentrations may be greater than the design concentrations or additional compounds may be present in the process air stream that were not taken into account during design.

Solution:

Verify that the contaminants in the air stream are the design contaminants and are present at or near the design concentrations. If the concentrations are significantly higher, or additional compounds are present, contact Carbonair to evaluate the design and recommend a solution.

2. Situation:

Excessively high pressure drop across the vessel when compared to the pressure drop curve.

Cause:

A high pressure drop across the activated carbon bed may be caused by:

- ✓ High inlet air relative humidity
- ✓ High inlet air flow
- ✓ Accumulation of particles.
- ✓ Plugged ABS screen holes.
- ✓ Wet carbon.

Solution:

- Check the relative humidity, temperature and flow rate of the inlet flow stream. Verify that they are within design specifications.
- If the relative humidity is higher than the design level, process air heater adjustments are recommended. If there is no process air heater, Carbonair recommends that one be added to the system. Call Carbonair for assistance.
- An inlet air flow rate, significantly higher than design, will decrease the bed life of the carbon. This occurs because of the increase in the mass loading rate of the contaminants onto the carbon. If the inlet air flow rate is significantly higher than the design rate, adjustments in the air flow at the source may be required to reduce the pressure drop and the mass loading rate. If air flow adjustments are not possible, additional vessels may be required to provide additional bed mass for treatment. Please call Carbonair for recommendations.
- Sample the activated carbon and have it tested to determine if solids are clogging the carbon bed. Back track to determine the source of the solids if they are present.
- The presence of a high relative humidity in the inlet air stream can cause a buildup of condensate (water) in the vessel making the carbon wet and restricting airflow through the bed. Carbonair recommends that process heater adjustments be made to correct the problem if possible. In order to dry out the carbon, remove the condensate from the vessel and pump clean-dry air through the vessel.
- As a last resort, remove the carbon and inspect the lateral screens. Verify that the holes in the screens are clear.

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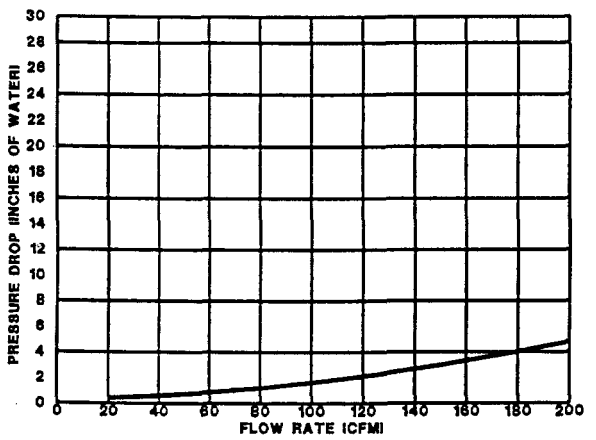
11.0 PRESSURE DROP CHART

The following pressure drop chart shows the pressure drop in inches of water at different gas flow rates through the GPC-3 gas phase carbon bed with 150 pounds of virgin CECA 410 GE Carbon @ 70 degrees F.

Figure No. 2
GPC-3 Gas Phase Carbon Bed
Pressure Drop Chart



12.0 DRAWINGS

Assembly drawings have been included on pages 7 and 8 to simplify the part identification and ordering process. A parts list is included along with the corresponding order number.

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Figure No. 4
GPC-3 Assembly Drawing No. 2

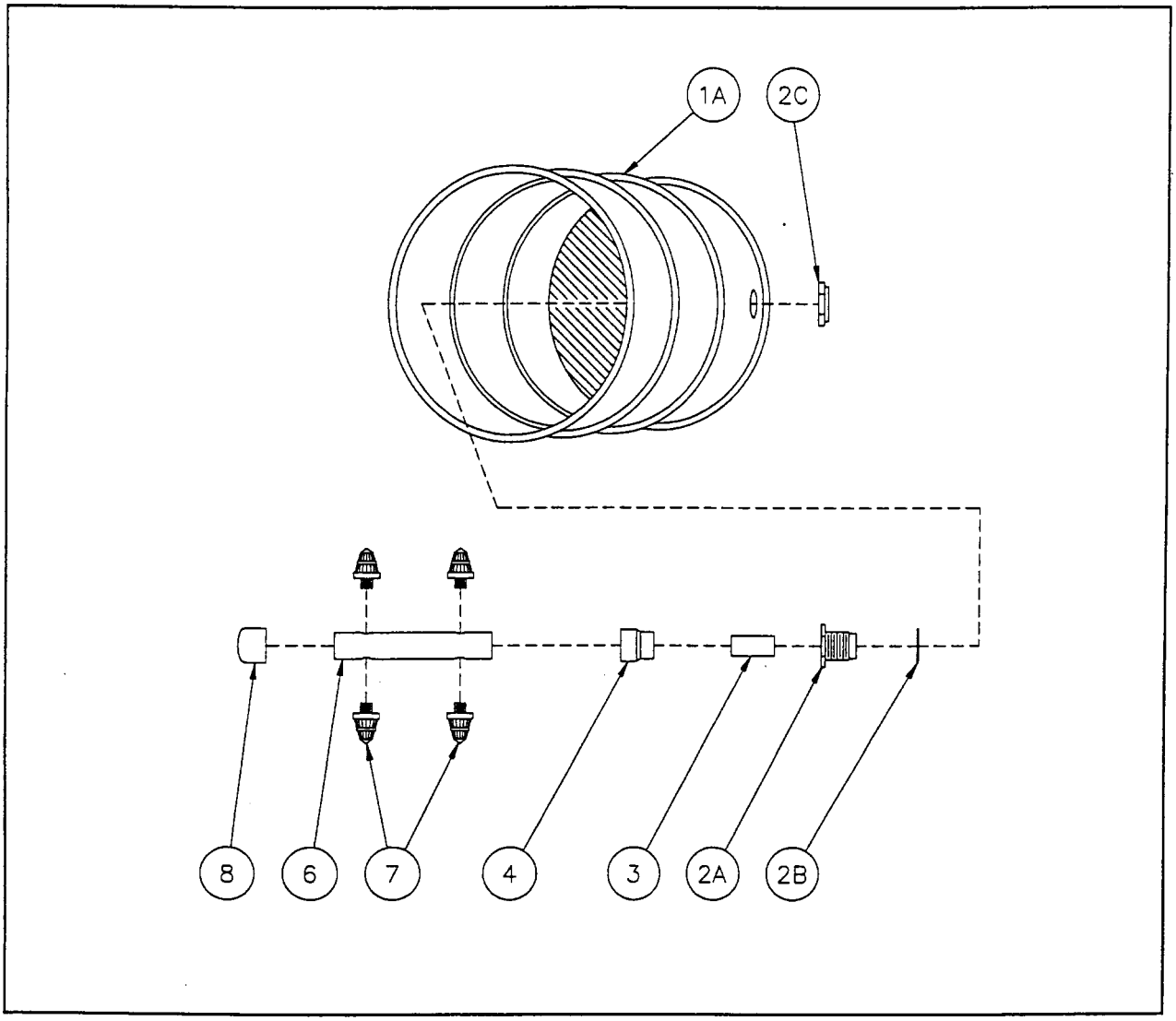

Table No. 4
GPC-3 Assembly Parts & Order Numbers

#	PART DESCRIPTION
2A	Bulkhead Pipe Fitting
2B	Bulkhead Gasket
3	Pipe 1 1/2" SCH 80 PVC
4	Pipe Coupling 2" X 1 1/2" SCH 80 PVC
6	Pipe 2" x 13 1/2" SCH 80 PVC
7	Basket Screen 3/4" MPT
8	Pipe Cap 2" SCH 80 PVC

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APPENDIX C

TETRA TECH EM INC. STANDARD OPERATING PROCEDURES

(19 Pages)

SOP APPROVAL FORM

TETRA TECH EM INC.

ENVIRONMENTAL STANDARD OPERATING PROCEDURE

ORGANIC VAPOR AIR MONITORING

SOP NO. 003

REVISION NO. 2

Last Reviewed: December 1999

Quality Assurance Approved	*April 8, 1994* Date

1.0 BACKGROUND

Exposure to airborne organic contaminants can present a significant threat to worker health and safety. Identifying and quantifying these contaminants through air monitoring is essential for reconnaissance activities. Reliable measurements of airborne organic contaminants are necessary for selecting personal protective equipment, delineating areas where protection is needed, assessing the potential health effects of exposure, and determining the need for specific medical monitoring.

1.1 PURPOSE

This standard operating procedure (SOP) discusses factors to consider when conducting organic vapor air monitoring.

1.2 SCOPE

This SOP discusses procedures, instruments, and variables affecting outdoor monitoring for assessing airborne organic vapor contamination. The instrument manuals, which outline the procedures for using an HNu® photoionization detectors (PID), Foxboro® organic vapor analyzer (OVA) flame ionization detectors (FID), and Photovac MicroTIP™ PIDs, are included with the equipment.

1.3 DEFINITIONS

Flame Ionization: A process by which a sample gas is ionized with a flame allowing a count of carbon atoms to determine organic vapor concentration

Flame Ionization Detector (FID): A portable instrument used to detect, measure, and provide a direct reading of organic vapor concentrations in a gas sample that is ionized with a flame

Ionization Potential: The amount of energy needed to strip an electron from the orbit of its resident molecule, expressed in electron volts

Organic Vapor: Airborne compounds composed of carbon, hydrogen, and other elements with chain or ring structures

Organic Vapor Analyzer (OVA): A portable instrument used to detect, measure, and provide a direct reading of the concentration of a variety of trace organic gases in the atmosphere through flame ionization

Photoionization: A process involving the absorption of ultraviolet light by a gaseous molecule, leading to ionization

Photoionization Detector (PID): A portable instrument used to detect, measure, and provide a direct reading of the concentrations of a variety of trace organic gases in the atmosphere through photoionization

1.4 REFERENCES

NIOSH/OSHA/USCG/EPA. 1985. "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities." U.S. Government Printing Office. Washington, DC.

EPA. 1994. "Photoionization Detector (PID) HNu." Environmental Response Team SOP #2114 (Rev. #0.0, 10/06/94). On-Line Address: http://204.46.140.12/media_resrcs/media_resrcs.asp?Child1=

1.5 REQUIREMENTS AND RESOURCES

The equipment used to conduct direct monitoring of airborne organic compounds includes the HNu® PID and the Foxboro® OVA FID. Other equipment, such as a Photovac MicroTIP™ PID, is available to conduct similar air monitoring. Calibration gas is also required.

2.0 PROCEDURES

The following subsections present a detailed discussion of direct-reading instrument constraints, accurate recording and interpretation of instrument readings, and general information on the HNu® PID and the Foxboro® OVA FID.

2.1 DIRECT-READING INSTRUMENT CONSTRAINTS

All direct-reading instruments have inherent constraints in their ability to detect gaseous organic compounds. They usually detect and/or measure only specific classes of chemicals. Generally, they are not designed to measure and/or detect airborne concentrations below 1 part per million (ppm). Finally, many direct reading instruments that have been designed to detect one particular substance also detect other substances, causing interference and possibly resulting in false readings.

2.2 ACCURATE RECORDING AND INTERPRETATION

Direct-reading instruments must be operated and the data interpreted by individuals who understand the operating principles and limitations of the instruments. At hazardous waste sites where unknown and multiple contaminants are frequently encountered, instrument readings should be interpreted conservatively.

The following guidelines promote accurate recording and interpretation:

- Calibrate instruments in accordance with the manufacturer's instructions before and after every use.
- The instrument's readings have limited reliability when specific organic contaminants are unknown. When recording readings of unknown contaminants, report them as "X" instrument units or as a "positive response" rather than in specific concentrations in measured units such as ppm.
- Conduct additional monitoring at any location where a positive response occurs.
- Report a reading of zero as nondetectable "ND" rather than as "clean." Quantities of chemicals may be present but at concentrations that are not detectable by the instrument.
- Repeat the air monitoring survey using other detection devices.

2.3 HNu® PHOTOIONIZATION DETECTOR

The following subsections discuss the procedures for use, application, detection method, limitations, general care and maintenance, and typical operating time of the HNu® PID.

2.3.1 Procedures for Use

The procedures for calibrating and using the HNu® PID, which vary for each model number, are presented in the instruction manual included with the instrument.

2.3.2 Application

The HNu® PID can be used to detect total concentrations of many organic and some inorganic gases and vapors. It can also be used in conjunction with other detection devices such as colorimetric indicator detector tubes to identify specific compounds (see SOP No. 065, Colorimetric Indicator Detectors [Dräeger Tubes]).

2.3.3 Detection Method

The HNu® PID ionizes molecules using ultraviolet (UV) radiation. The radiation strips electrons from the molecules, producing ions that produce a current proportional to the number of ions generated. The HNu® PID is more sensitive to aromatics and unsaturated compounds than the Foxboro® OVA FID. The PID is nonspecific for gas and vapor detection for organics and some inorganics. The PID is also sensitive to 0.1 ppm of benzene. Sensitivity is related to the ionization potential of the compound being monitored.

2.3.4 Limitations

The HNu® PID cannot be used to:

- Detect methane
- Detect a compound that has a lower energy level than the ionization potential of the PID light source
- Respond accurately to a mixture of gases or vapors
- Respond accurately in high humidity or very cold weather
- Respond accurately when interference from other sources is present

2.3.5 General Care and Maintenance

The HNu® PID needs to be recharged every 10 hours or have its battery replaced. The lamp window in the probe must be cleaned regularly. The instrument and its accessories must also be regularly cleaned and maintained.

2.3.6 Typical Operating Time

The HNu® PID can run continuously on a charged battery for 10 hours alone or for 5 hours with a strip chart recorder. The battery needs to be recharged for 14 hours; therefore, additional batteries are recommended when conducting field work.

2.4 FOXBORO® ORGANIC VAPOR ANALYZER FLAME IONIZATION DETECTOR

The following subsections discuss the procedures for use, application, detection method, limitations, general care and maintenance, and typical operating time of the Foxboro® OVA FID.

2.4.1 Procedures for Use

The procedures for calibrating and using the Foxboro® OVA FID are presented in the instruction manual included with the instrument.

2.4.2 Application

When set in the survey mode, the OVA FID can detect the total concentration of many organic gases and vapors. In the gas chromatography (GC) mode, the OVA FID can identify and measure the concentrations of specific compounds. In the survey mode, all organic compounds are ionized and detected at the same time. In the GC mode, volatile species are ionized and detected separately.

2.4.3 Detection Method

Organic gases and vapors are flame-ionized in the OVA FID. The ions produce a current that is proportional to the number of carbon atoms present. The current is interpreted by a deflection on the instrument's meter. In the survey mode, the OVA FID functions as a nonspecific total hydrocarbon analyzer. In the GC mode, the OVA FID can provide a tentative qualitative and quantitative identification of gases and vapors. The OVA FID is most sensitive to saturated hydrocarbons (alkanes), unsaturated hydrocarbons (alkenes), and aromatic hydrocarbons. The OVA FID is not suitable for inorganic gases such as chloride, hydrogen cyanide, and ammonia. The OVA FID is also less sensitive to aromatics and unsaturated compounds than the HNu® PID. However, the OVA FID is less sensitive to high humidity than the HNu® PID. Gases and vapors that contain substituted function groups such as hydroxide (OH-) reduce the detector's sensitivity. Finally, if the operator monitors for a specific gas or vapor, the operator should use a calibration standard and GC column for that particular gas or vapor.

2.4.4 Limitations

The OVA FID cannot be used to:

- Detect organic vapors at temperatures below 40 °F (4 °C)
- Identify specific organic vapors when operated in the survey mode; results must be reported relative to the calibration standard used (for example, as methane equivalents)
- Detect inorganic gases and vapors; the instrument also gives a lower response to oxygen-containing organic compounds (such as alcohols, ethers, and aldehydes) and nitrogen-containing organic compounds (such as amines, amides, and nitriles)
- Detect high organic contaminant concentrations or in oxygen-deficient atmospheres; operation in these conditions requires system modification

2.4.5 General Care and Maintenance

The hydrogen fuel level must be monitored during use to maintain an adequate supply. Also, the OVA FID user should perform routine maintenance procedures described in the instruction manual included with the equipment and routinely check the OVA FID for leaks.

2.4.6 Typical Operating Time

The OVA FID can typically run continuously on a fully charged battery for 8 hours alone or for 3 hours with a strip chart recorder. The OVA FID battery must be recharged every 8 hours or replaced, as needed.

3.0 VARIABLES AFFECTING OUTDOOR AIR MONITORING

Complex environments containing many substances such as those associated with hazardous waste sites pose significant challenges to accurately and safely assess airborne contaminants. Several independent and uncontrollable variables (most notably temperature and weather conditions) can affect airborne concentrations. These factors must be considered when conducting air monitoring and interpreting data. The following environmental variables must be considered:

- **Temperature:** An increase in temperature increases the vapor pressure of most chemicals.
- **Wind Speed:** An increase in wind speed can affect vapor concentration near a free-standing liquid surface. Dust and particulate-bound contaminants are also affected.
- **Rainfall:** Water from rainfall can essentially cap or plug vapor emission routes from open or closed containers, saturated soil, or lagoons, thereby reducing airborne emissions of certain substances.
- **Moisture:** Dusts, including finely divided hazardous solids, are highly sensitive to moisture. Moisture can vary significantly with respect to location and time and can also affect the accuracy of many sampling results.
- **Vapor Emissions:** The physical displacement of saturated vapors can produce short-term, relatively high vapor concentrations. Continuing evaporation and/or diffusion may produce long-term vapor concentrations and may involve large areas.
- **Work Activities:** Work activities often require the mechanical disturbance of contaminated materials, which may change the concentration and composition of airborne contaminants and contribute to airborne emissions. Organic air emissions at a work site can also occur from operation of gasoline or diesel engines.

These conditions should be reported with organic vapor readings to provide a more accurate interpretation of monitoring results.

SOP APPROVAL FORM

TETRA TECH EM INC.

ENVIRONMENTAL STANDARD OPERATING PROCEDURE

SOIL GAS SAMPLING METHODS

SOP NO. 074

REVISION NO. 1

Last Reviewed: November 1999

Quality Assurance Approved	*May 21, 1993* Date

1.0 BACKGROUND

Soil gas samples can be collected using several methods. This standard operating procedure (SOP) presents sample collection procedures for collecting soil gas samples in Tedlar® bags, glass sampling bulbs, and stainless-steel canisters. Tedlar® bags and glass sampling bulbs are best suited for on-site or near-site chemical analysis, whereas steel canisters are best suited for shipping samples to a full service laboratory.

1.1 PURPOSE

The purpose of this SOP is to provide guidance for the use of Tedlar® bags, glass sampling bulbs, and stainless-steel canisters for soil gas sample collection. Soil gas samples collected by these methods may be analyzed for volatile organic compounds such as trichloroethene, benzene, and toluene and for inorganic parameters such as nitrogen, oxygen, and carbon dioxide.

1.2 SCOPE

This SOP applies to all personnel collecting soil gas samples in Tedlar® bags, glass sampling bulbs, or stainless-steel canisters. The site-specific work plan and sampling plan should be followed during soil gas sampling activities.

1.3 DEFINITIONS

Soil Gas - The gases or atmosphere filling the void spaces in soils and unconsolidated sediments. These gases may all be of natural origin, but manmade contaminants or by-products may be present in detectable quantities.

1.4 REFERENCES

U.S. Environmental Protection Agency (EPA). 1984. *Characterization of Hazardous Waste Sites - A Methods Manual: Volume II, Available Sampling Methods*. Second Edition. EPA-600/4-84-076. December.

EPA. 1988. *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. Method TO-14. Atmospheric Research and Exposure Assessment Laboratory, Research Triangle Park, NC. 600/4-89/017. June.

EPA. 1990. "General Precautions in the Use of Canister Sampling for Measuring VOCs in Ambient Air." *Office of Solid Waste Emergency Response (OSWER). Bulletin Board*.

1.5 REQUIREMENTS AND RESOURCES

When using the Tedlar® bag collection method, the following items are needed:

- A sampling port and attached sampling line, ready for sampling
- A pump (SKC universal flow pump or equivalent), capable of pumping at least 3 liters per minute to allow purging of the sample point prior to collection of soil gas samples
- Sampling lines (dedicated, 0.375-inch outer diameter Tygon tubing) to connect all field equipment
- Y-branched plastic (Teflon®-lined if available) sampling hose for duplicate collection
- 500-cubic-centimeter (cc) Tedlar® bags, with metal fittings
- Vacuum chamber

When using glass sampling bulbs to collect soil gas, the following items are needed:

- A supply of clean 250- or 500-milliliter (mL) glass gas sampling bulbs with stopcock valves
- Tygon tubing or equivalent of appropriate size to connect the sampling bulb to the sample port and vacuum system
- A vacuum pump to purge the sampling system and allow for sample collection. A vacuum/volume system capable of measuring purge volumes is desirable.
- A sampling system with an inline pressure gauge
- A source of heated air to purge and decontaminate the reusable glass sampling bulbs prior to initial use and between each subsequent use. This may consist of a simple hand-held hair drier.

When using steel canisters to collect soil gas, the following items are needed:

- A supply of clean, evacuated stainless-steel canisters (SUMMA canisters) with a pressure gauge to verify internal pressure
- A vacuum pump (SKC universal flow pump or equivalent) to allow purging of the sample point prior to collection of soil gas samples
- Tygon tubing or equivalent of appropriate size for connecting the sampling port to pump (during gas point purging) and the sampling port to stainless steel canister (during sample collection)
- Y-branched tubing (plastic, Teflon®-lined if available) for duplicate collection

2.0 PROCEDURES

This section describes selection of soil gas sampling locations and general preparation of the sampling system to be used. This section also provides detailed procedures for collecting samples using Tedlar® bags, glass bulbs, and stainless-steel canisters. Finally, this section discusses additional considerations that affect soil gas sampling, including duplicate and equipment blank sample collection, decontamination, and sample transfer, and summarizes the advantages and disadvantages of each sampling method.

2.1 SAMPLING LOCATION SELECTION

Sampling locations should be selected and prepared for sampling as described in a site-specific quality assurance project plan and field sampling plan. Soil gas samples may be collected from depths as shallow as 3 feet or as great as 50 feet, depending on the objectives of the project, the site soil conditions, and the specific equipment used to penetrate to depth. The horizontal spacing of soil gas sampling points (grid size) may be only a few feet or more than 500 feet. Again, this is a function of project-specific objectives and site conditions.

2.2 SAMPLING SYSTEM PREPARATION

The sample probe assemblies may consist of three types: (1) a hand-driven soil gas probe 4 feet in length, (2) a drill rig-driven soil gas probe 2 feet in length, (3) a hydraulic-driven soil gas probe 3 feet in length. The probes may be assembled in series to reach the desired sampling depth. The probes will be driven to or emplaced at the desired sample collection depth, and then fitted with the Tygon sampling line.

Once fitted with the sampling line, the ambient air within the sampling system is purged. Usually, three system volumes are purged prior to sample collection. If the sampling system purge volume cannot be measured, then a standard purge time of 3 to 5 minutes should be used.

After the system is purged of ambient air but before the pump is turned off, approximately 2 inches of the sampling line closest to the entrance port of the pump should be folded over itself and the tubing should be clamped to keep ambient air from reentering the system. This is not necessary when sampling with glass bulbs because the bulbs are already connected to the sampling line. After the system is purged and sealed to ambient air, the pump should be turned off. Sample collection can now proceed using a Tedlar® bag, a glass bulb, or a stainless-steel canister.

2.3 SAMPLE COLLECTION USING TEDLAR® BAGS

Soil gas can be collected for chemical analysis in a 500-cc Tedlar® gas sampling bag. This can be accomplished by using an SKC pump to induce a vacuum on the exterior of the bag. This will cause the Tedlar® bag to be inflated with soil gas. The following procedure should be used:

1. Connect the free end of the Tygon tubing (previously inserted through the top of the vacuum chamber) to the Tedlar® gas sampling bag. Open the valve on the gas sampling bag and place the tubing into the body of the vacuum chamber.

2. Place the top on the vacuum chamber.

3. Connect the free end of the evacuation tube to the SKC pump.

4. Turn on the pump. This should create a vacuum in the chamber, and the Tedlar® bag should fill at a rate of approximately 2 liters per minute. The rate at which the Tedlar® gas sampling bag fills will depend on the porosity and permeability of the soil.

5. The minimum amount of soil gas needed for analysis is approximately 0.25 liter.

6. If less than 0.25 liter is collected after 4 minutes of sampling, raise the soil gas probe 0.5 foot (if possible). Continue to evacuate the vacuum chamber for another minute. If the minimum required soil gas is not collected, repeat the procedure again. If the minimum required volume of soil gas is still not collected, abandon the collection process. All steps conducted are to be accurately recorded in the field logbook.

7. Remove the top of the vacuum chamber after the soil gas sample is collected in the Tedlar® bag.

8. Close the valve on the Tedlar® gas sampling bag, clamp the Tygon tubing, and remove the Tedlar® gas sampling bag.

9. Turn off the pump.

10. Label the Tedlar® bag and its corresponding field datasheet (Figure 1) with the sample number.

11. Fill out the rest of the field datasheet. An alternative documentation procedure is to enter the requisite information in the field logbook.

2.4 SAMPLE COLLECTION USING GLASS BULBS

Soil gas also can be collected for chemical analysis in a glass bulb. When this sampling method is used, the glass bulb must be connected to the sampling system and purged of ambient air along with the sampling line before the sample is collected. The system is purged and the sample is collected using the following procedure:

1. Connect one end of the glass bulb to the sample line and the other end of the glass bulb to the vacuum pump using Tygon tubing, and then open both stopcocks on the bulb.

2. Turn on the vacuum pump and purge the sampling system as discussed in Section 2.2.

3. Turn off the vacuum pump.

4. Observe the inline pressure gauge to determine when the vacuum in the bulb has been filled with soil gas. This may require several minutes, particularly in soils with low porosity and permeability. If the vacuum in the bulb has not dropped after 4 minutes of sampling, raise the soil gas probe in 0.5-foot increments in an attempt to find a more permeable zone. If the soil gas probe is moved, guard against leakage of ambient air into the system and repurge if necessary.

5. Once the vacuum in the gas sampling bulb has been filled, close off the upstream stopcock on the bulb, then the downstream stopcock and disconnect the bulb from the sample line.

6. Label the glass bulb and its corresponding field datasheet with the sample number.

7. Fill out the rest of the field datasheet. An alternative documentation procedure is to enter the requisite information in the field logbook.

2.5 SAMPLE COLLECTION USING STAINLESS-STEEL CANISTERS

Soil gas also can be collected for chemical analysis in a stainless-steel, evacuated canister. Usually, these expensive canisters are used to collect duplicate samples for off-site analysis from locations that are being sampled for field screening analysis using Tedlar® bags or glass bulbs.

When this method is used, the canister is connected directly to the purged Tygon sampling tube. To prevent ambient air from entering the canister during sample collection, all connections must be airtight. To collect soil gas samples using this method, the following procedure is used:

1. Measure the canister pressure reading, ambient air temperature, and ambient air pressure, and record the readings in the field logbook prior to sample collection.

2. Open the canister pressure valve, which will allow the evacuated stainless-steel canister to draw in soil gas until the canister reaches ambient pressure. When the sampling valve on the canister shows that ambient pressure has been reached, close the sampling valve and remove the canister from the sampling line.

3. Measure and record the post-sampling pressure reading on the canister pressure valve.

4. Label the canister and its corresponding field datasheet with the sample number.

5. Fill out the rest of the field datasheet. An alternative documentation procedure is to enter the requisite information in the field logbook.

2.6 DUPLICATE AND EQUIPMENT BLANK COLLECTION

Duplicate soil gas samples will be collected at each site as required in the site-specific sampling plan and quality assurance project plan. Generally, 1 duplicate sample will be collected for every 10 samples collected. Each duplicate is collected in conjunction with a corresponding environmental sample.

To collect duplicate samples, a Y-branched sampling hose will be connected to the vacuum chamber or pump. Two Tedlar® bags, glass bulbs, or stainless-steel canisters will be attached, one to each end of the Y-branched hose. Sample collection will proceed as described above. After collection, one sample will be labeled as the environmental sample and one as the duplicate.

Equipment blanks also will be collected at each site as required in the site-specific sampling plan and quality assurance project plan. Generally, 1 blank will be collected for every 10 samples collected. Blanks will be collected by running ambient air through the sampling system immediately after it has been decontaminated, and by collecting the ambient air in a Tedlar® bag, glass bulb, or stainless-steel canister using the same procedures used to collect environmental samples. Blank sample collection is conducted upwind of any observed interference, and the location of the sampling should be recorded in the field logbook. Equipment blanks are collected to ensure that field equipment decontamination procedures are adequate.

2.7 DECONTAMINATION

Sampling probes should be decontaminated before the first sample is collected and between sampling points. Probes that are grossly contaminated should be decontaminated using a high pressure steam cleaner. Probes that are not grossly contaminated can be decontaminated by brushing off loose soil particles, then heating the probes until they are warm to the touch to drive off any volatile contaminants. Heating times of 7 to 10 minutes are generally sufficient for this purpose. This brushing and heating method greatly reduces the generation of decontamination fluids.

Glass sampling bulbs also must be decontaminated between each use. This may be accomplished by purging heated air through the bulbs using a hand-held hair drier and the vacuum pump. Highly contaminated bulbs may require decontamination using either a methanol or soapy water wash and a deionized water rinse.

If Y-branched tubing or any other sampling equipment is to be reused, it must also be decontaminated between sampling locations.

2.8 SAMPLE TRANSFER

After collection, each sample container will be transported to the designated laboratory for analysis. In many cases, samples will be analyzed on site in a mobile laboratory.

2.9 ADVANTAGES AND DISADVANTAGES OF EACH SAMPLING METHOD

Tedlar® bags are relatively inexpensive to use but can only be used once and then must be disposed of. If the soil formation being sampled has a low porosity and permeability, such as clay or silty clay, it may not be possible to inflate the Tedlar® bag with soil gas.

Glass bulbs are more expensive than Tedlar® bags but they can be reused indefinitely, as long as they are not broken. However, bulbs must be decontaminated between each use, and periodic equipment blanks must be analyzed to verify that the decontamination procedures used are effective.

Stainless-steel canisters are very expensive and, therefore, are not cost-effective when conducting on-site analysis. The advantage of this type of sampler is that confirmation samples may be collected and shipped off-site for analysis with excellent assurance of sample integrity.

3.0 CAUTIONS

Both Tedlar® bags and glass bulbs are transparent to light, and many volatile compounds are subject to degradation in sunlight. Because of this, samples should be stored in a dark place, such as a cooler, and analyzed as quickly as possible. In general, samples collected in Tedlar® bags or glass bulbs should be analyzed within 24 hours after collection, at a maximum. This will ensure sample integrity and minimize contaminant loss by degradation processes or absorption onto surfaces.

The concentration of volatile organic contaminants in the vapor phase in soil gas is a function of many complex and dynamic variables. Because of this, soil gas results do not usually show a direct correlation to groundwater contamination. However, soil gas may show a good relation to groundwater conditions and is

therefore a very powerful tool for quickly and inexpensively locating sources of volatile organic contamination in groundwater.

While sampling, each sampling location should be screened with a flame ionization detector (FID) or photoionization detector (PID) following sample collection. The result of the FID or PID screening should be recorded on the sample container and field sheet so that the chemist analyzing the sample can determine whether sample dilutions or smaller sample volumes are required for analysis.

FIGURE 1

FIELD DATASHEET FOR SOIL GAS SAMPLING METHODS

Date: _____ Site/Facility Name: _____

Time: _____ Project No.: _____

Sample Container: _____ Tedlar® Bag: _____ Glass Bulb: _____ SUMMA® canister: _____

Sampling location and depth: _____

Description of location: _____

_____

Sample location purged: Yes _____ FID or PID (circle one) Reading: _____

Sample relinquished by: _____ Date/Time: _____

Sample received by: _____ Date/Time: _____

Attach field copy of sample label or write in sample number:

Notes:

APPENDIX E
PERFORMANCE MONITORING LOGS

Air Monitoring Logs

Performance Monitoring Logs

Field Instrument Calibration Logs

Calibration Logs for PID/CGI/Toxic Gas Meter

AIR MONITORING LOGS

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 10/10/02
Meter Type OVM 580 B
SN 06
Date Calibrated 10/10/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1335	Ex2	Ø ppm	Ø ppm	Ø ppm	
1340	Ex1	Ø ppm	Ø ppm	Ø ppm	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 10/18/2002
Meter Type Oym58013
SN .06
Date Calibrated 10/18/2002

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0850	EX4	0	0	0	
0915	Ex5	0	0	0	
~~Pass04~~					JHM
~~Pass03~~					JHM
~~Pass02~~					JHM
~~Pass01~~					JHM
1145	Pass 04	0	0	0	
1203	Pass 03	0	0	0	
1214	Pass 02	0	0	0	
1228	Pass 01	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 10/24/02
Meter Type OVM 580B
SN .06
Date Calibrated 10/24/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1045	EX5	0	0	0	
1055	EX6	0	0	0	
1350	Pass01	0	0	0	
1402	Pass02	0	0	0	
1410	Pass03	0	0	0	
1418	Pass04	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 10/29/02
Meter Type OVM580B
SN .06
Date Calibrated 10/29/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1000	EX7	Ø	Ø	Ø	
1250	Pass 01	Ø	Ø	Ø	
1308	Pass 02	Ø	Ø	Ø	
1315	Pass 03	Ø	Ø	Ø	
1325	Pass 04	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 11/11/02
Meter Type OVM 580B
SN .25
Date Calibrated 11/11/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1055	EX98	Ø	Ø	Ø	
1110	EX99	Ø	Ø	Ø	

Notes:
ID Identification
ppm Parts per million
SN Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date November 18, 2002
Meter Type GT 201
SN
Date Calibrated 11/18/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1300	Ex 10	0	0	0	
1400	Ex 1	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 11/19/02
Meter Type GT201
SN
Date Calibrated 11/19/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1000	EX10	0	0	0	
1125	EX2	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 11/20/02
Meter Type GT201
SN
Date Calibrated 11/20/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0945	EX10	Ø	Ø	Ø	
1040	EX2	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date November 21, 2002
Meter Type GT201
SN GT201.13
Date Calibrated 11/21/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1330	Ex 1	0	0	0	
1340	Ex 2	0	0	0	

Notes:

ID Identification
ppm Parts per million
SN Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date November 22, 2002
Meter Type GT201
SN GT201.13
Date Calibrated 11/22/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1045	EX1	0	0	0	
1055	EX2	0	0	0	

Notes:

ID Identification
ppm Parts per million
SN Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 11/25/02
Meter Type OVM580B
SN 56
Date Calibrated 11/25/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1030	Ex1	0	0	0	
1040	Ex2	0	0	0	
930	PV-1	0	0	0	
945	PV-2	0	0	0	
955	PV-3	0	0	0	
1000	PV-4	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date Nov 26, 2002
Meter Type GT201
SN GT201.13
Date Calibrated 11/26/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0915	EX2	Ø	Ø	Ø	
0925	EX2	Ø	Ø	Ø	

Notes:

ID Identification
ppm Parts per million
SN Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 11/27/02
Meter Type GT201
SN GT201.13
Date Calibrated 11/27/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0900	Ex1	0	0	0	
0910	Ex2	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 12/3/02
Meter Type OVM580B
SN 56
Date Calibrated 12/3/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1230	Ex2	Ø	Ø	Ø	
1240	Ex1	Ø	Ø	Ø	
1030	PV-1	Ø	Ø	Ø	
0940	PV-2	Ø	Ø	Ø	
0925	PV-3	Ø	Ø	Ø	
0900	PV-4	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 12/9/02
Meter Type OVM 580B
SN .56
Date Calibrated 12/9/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1010	Ex3	Ø	Ø	Ø	
1020	Ex4	Ø	Ø	Ø	
1546	PV-1	Ø	Ø	Ø	
1612	PV-2	Ø	Ø	Ø	
1615	PV-3	Ø	Ø	Ø	
1618	PV-4	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 12/17/02
Meter Type OVM 580B
SN .48
Date Calibrated 12/17/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0940	EV3	0	0	0	
1250	PV2	0	0	0	
1310	PV-3	0	0	0	
1330	PV-4	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 12/28/02
Meter Type CVM 580B
SN 48
Date Calibrated 12/28/02

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1010	Ex5	Ø	Ø	Ø	
0817	PV-1	Ø	Ø	Ø	
0843	PV 2	Ø	Ø	Ø	
0905	PV 3	Ø	Ø	Ø	
0915	PV-4	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 1/7/03
Meter Type CVM580B
SN 102
Date Calibrated 1/7/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0900	Ex5	Ø	Ø	Ø	
0939	GMP01A	Ø	Ø	Ø	
1130	PN-1	Ø	Ø	Ø	
1135	PN-2	Ø	Ø	Ø	
1145	PN-3	Ø	Ø	Ø	
1157	PN-4	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 1/13/03
Meter Type OVM 580B
SN .48
Date Calibrated 1/13/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1239	PV-4	0	0	0	
1247	PV-3	0	0	0	
1255	PV-2	0	0	0	
1312	PV-1	0	0	0	
1420	GMP01A	0	0	0	
1435	EX3	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 1/22/03
Meter Type QRM580S
SN .56
Date Calibrated 1/22/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1005	PV-4	0	0	0	
1031	PV-3	0	0	0	
1056	PV-2	0	0	0	
1125	PV-1	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 2/26/03
Meter Type OVM 580B
SN #53
Date Calibrated 2/26/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
0847	PV-4	0	0	0	
0939	PV-3	0	0	0	
1010	PV-2	0	0	0	
1225	PV-1	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 3/26/03
Meter Type OVM580B
SN 10
Date Calibrated 3/26/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
920	PV-4	0	0	0	
1005	PV-3	0	0	0	
1031	PV-2	0	0	0	
1105	PV-1	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 4/21/03
Meter Type Ovm580B
SN 10
Date Calibrated 4/21/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1310	PV-4	0	0	0	
1335	PV-3	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 4/23/03
Meter Type OVM 580B
SN 0
Date Calibrated 4/23/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1125	PV-2	0	0	0	
1320	PV-1	0	0	0	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

Tetra Tech EM Inc.

AIR MONITORING LOG

Date 5/28/03
Meter Type OVM580B
SN 110
Date Calibrated 5/28/03

Time	Location ID (ppm)	Emission Reading (ppm)	Upwind (ppm)	Downwind (ppm)	Comments
1205	DV-2	Ø	Ø	Ø	
1210	DV-3	Ø	Ø	Ø	
1222	DV-4	Ø	Ø	Ø	

Notes:

ID	Identification
ppm	Parts per million
SN	Serial number

PERFORMANCE MONITORING LOGS

Name: James H. Medley / V. Coker
Date: 10/04/02

3 "Maz"

Tetra Tech EM Inc.

PERFORMANCE MONITORING LOG

Sampling Location: Location ID	Sampling Location: Description (for example, GMP/ Well/Before Carbon/After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM-%)	GEM2000: CO_2 (%)	GEM2000: O_2 (%)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Background NMOCs (ppm)	Recovery Blower Flowrate (cfm)	Notes
EX1	Well		0818	60.8	29.97	+1.00	17.1	21.0	0.9	>>100	12.4	Ø	Ø	Summa
~~EX2~~			~~0840~~											
GMP22	Well/GMP		0840	67.8	29.97	0.00	22.2	23.0	0.0	>100	7.0	5	Ø	
EX3	Well		0849	65.1	29.97	0.00	15.4	16.1	4.1	>100	65.4	0.7	Ø	Summa
EX4	Well		0859	63.1	29.97	0.00	35.8	22.6	0.0	>100	5.2	~~0.7~~ 1.0	Ø	
GMP23	GMP		0905	61.1	29.97	0.00	48.5	24.2	0.0	>100	2.0	6.0	Ø	
EX5	Well		0910	64.0	29.97	0.00	38.9	24.2	0.0	>100	9.9	0.7	Ø	Summa
EX6	Well		0918	64.2	29.97	0.00	47.2	21.9	2.6	>100	1.8	0.5	Ø	
GMP24	GMP		0926	67.0	29.97	0.00	43.6	25.9	0.0	>100	2.6	5.5	Ø	
EX7	Well		0930	62.7	29.96	+1.00	27.9	25.2	0.3	>100	16.6	0.7	Ø	Summa
GMP25	GMP		0941	67.4	29.96	0.10	28.2	27.1	0.0	>100	3.1	5.5	Ø	
EX8	Well		0944	66.8	29.96	0.10	36.5	20.2	0.7	>100	4.7	0.7	Ø	
EX9	Well		0948	70.5	29.96	0.10	36.2	16.9	0.6	>100	14.7	0.5	Ø	Summa
GMP26	GMP		0958	64.3	29.96	0.10	8.9	22.3	0.0	>100	2.0	5.0	Ø	
EX10	Well		1010	68.3	29.95	0.10	0.1	10.2	5.4	[redacted]	210	0.0	Ø	Summa
GMP14	GMP		1036	76.1	29.94	0.2	0.0	0.1	21.3	0	0.7	5.1	Ø	
GMP12	GMP		1042	73.0	29.94	0.2	8.8	20.9	0.1	>100	27.1	7.0	Ø	
GMP01A	GMP		1048	73.5	29.94	0.2	1.0	18.3	0	19	133.6	5.5	Ø	
GMP08A	GMP		1052	71.3	29.92	0.3	4.9	17.2	0.1	97	43.9	5.5	Ø	62 unit ↓
Unit 1	Before		1123	75.2	29.91	0.3	2.5	3.3	18.4	52	4.5	0.0	20cfm	20cfm/45" H_2O 5" Gauge
EX1	After		1127	75.2	29.91	0.3	0.0	0.0	19.1	0	0.0	0.0	20	vacuum
EX2	Well		1138	78.2	29.91	0.3	9.7	—	—	>100	120	0.0	20	0.01
EX3	Well		1140	—	—	0.3	13.1	—	—	>100	36.1	0.7	20	0.01
GMP22	GMP		1134	75.9	29.91	0.3	21.5	22.8	0.5	>100	4.5	0.0	20	0.01

summa – EX1
summa – EX1

Notes:

cfm	Cubic feet per minute
GMP	Gas monitoring probe
Hg	Mercury
ID	Identification
LEL	Lower explosive limit
NMOC	Nonmethane organic carbon
PID	Photoionization detector
ppm	Parts per million

* Add 2nd blower column
* Add vac. pressure column

Name: J. Medley / V. Coker
Date: 10/04/02

Pg 213

Tetra Tech EM Inc.

PERFORMANCE MONITORING LOG

	Sampling Location: Location ID	Sampling Location: Description (for example, GMP/ Well/Before Carbon/After Hydrosil)	Water Level (feet below casing)	Time	Temp (° C/° F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM -%)	GEM2000: CO_2 (%)	GEM2000: O_2 (%)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Background NMOCs (ppm)	Recovery Blower Flowrate (cfm)	Notes
															Vacuum
	GMP02A	GMP	—	1143	—	—	0.3	4.4	—	—	87	36.1	5.7	20	
	GMP01A	GMP	—	1148	—	—	0.3	0.7	—	—	15	119	5.7	20	
Vac	GMP12	GMP	—	1149	—	—	+0.4	8.7	—	—	>100	59.4	5.1	20	0.01
	GMP14	GMP	—	1152	—	—	0.4	0.0			0	1.3	5.4	20	
~~0.10~~	EX2			1211	—	—								20	0.01
	GMP22			1211	—	—								20	0.00
	GMP01A			1212	—	—								20	0.01
	GMP12			1212	—	—								20	0.00
0.0	EX2			1224	—	—	0.5	0.5	—	—	10	69.7	0.0	30	Adj flow to 30 cfm
0.01	GMP22			1226	—	—	0.5	17.6			>100	0.0	5.4	30	@ 39" H_2O @ Gauge #1
0.01	EX3			1238	—	—	0.5	13.2	—	—	>100	32.7	0.4	30	
0.01	GMP02A			1234	—	—	0.5	3.9	—	—	78	32.1	5.1	30	
0.01	GMP01A			1232	—	—	0.5	0.0	—	—	0.0	1.0	5.4	30	
0.01	GMP12			1229	—	—	0.5	0.0	—	—	0.0	11.3	5.4	30	
0.01	GMP14			1242	—	—	0.5	0.0	—	—	0.0	6.0	6.3	30	Vacuum
0.03	EX2			1250	—	—								30	
0.01	GMP22				—	—								30	
0.01	GMP01A				—	—								30	
0.02	GMP12				—	—								30	
0.01	GMP01			1302	—	—								30	
0.01	EX2				—	—								30	
0.02	GMP22				—	—								30	
0.03	GMP12			1303	—	—								30	

Notes:

cfm	Cubic feet per minute
GMP	Gas monitoring probe
Hg	Mercury
ID	Identification
LEL	Lower explosive limit
NMOC	Nonmethane organic carbon
PID	Photoionization detector
ppm	Parts per million

Pg 3/3

Name: V. Coker/J. Medley + Maz
Date: 10/04/02

Tetra Tech EM Inc.

PERFORMANCE MONITORING LOG

Vac	Sampling Location: Location ID	Sampling Location: Description (for example, GMP/ Well/Before Carbon/After Hydrosil)	Water Level (feet below casing)	Time	Temp (° C/° F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM -%)	GEM2000: CO_2 (%)	GEM2000: O_2 (%)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Background NMOCs (ppm)	Recovery Blower Flowrate (cfm)	Notes
0.00	EX2	Well	–	1312	—	—	—	—	—	—	—	—	—	30	
0.01	GMP22	GMP	–	↓	—	—	—	—	—	—	—	—	—	30	
0.01	GMP12	↓	–	↓	—	—	—	—	—	—	—	—	—	30	
0.01	GMP01A	↓	–	1314	—	—	—	—	—	—	—	—	—	30	
0.01	EX2	Well	–	1324	–	29.83	0.7	2.0	—	—	39	78.1	0.1	50	Δ to 50 cfm Δ
0.00	GMP22	GMP	–	1329		29.83	0.7	0.0	–	–	0	0	6.0		" H_2O Δ Gauge #1
0	EX3			1344		29.83	0.7	13.7	—		>100	33.1	7.7		
.01	GMP12			1333		29.83	0.7	0.0	—		0	3.2	5.7		
0	GMP01A			1337		29.83	0.7	0.2	—		3	85.5	6.0		
0	GMP02A			1339		29.83	0.7	3.8	—		75	19.9	7.4		
0	GMP14			1348		29.83	0.7	0.0	—		0	5.1	6.4		
0	GMP12			1358	—	—	—	—	—	—	—	—	—		
0	GMP01A			1358	—	—	—	—	—	—	—	—	—		
0	GMP22			1402	—	—	—	—	—	—	—	—	—		
0.01	EX2			1401	—	—	—	—	—	—	—	—	—		
0.01	EX2			1440		29.83	0.6	2.1	—		42	66.8	1.0	50	
0.0	GMP22			1443		29.83	0.6	20.0	—		0	>100	5.7		
0	~~EX3~~			1455											
0.02	GMP12			1446		29.83	0.6	0	—		0	3.2	5.7		
0	GMP01A			1449		29.83	0.6	0.5	—		10	92.6	5.0		
0	GMP02A			1453		29.83	0.6	3.6	—		29.6	72.0	5.0		
0	~~GMP14~~	EX3		1455		29.81	0.6	11.7	—		>100	35.2	1.6		
0	GMP14			1502		29.81	0.6	0	—		0	0	5.7		

Notes:

cfm	Cubic feet per minute
GMP	Gas monitoring probe
Hg	Mercury
ID	Identification
LEL	Lower explosive limit
NMOC	Nonmethane organic carbon
PID	Photoionization detector
ppm	Parts per million

Name: James Medley
Date: 10/07/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex2	Well		0948	72.8	30.03	-0.1	5.1	10	9.8	100	32.4	0	0			
GMP22	GMP		1034	78.6	29.98	0.1	16	22.1	0.2	100	7.4	0	0			
GMP21	GMP		1039	79.2	29.98	0.1	0.2	10.4	0.6	3	2126	0	0			
GMP04	GMP		1044	78.3	29.98	0.1	0	15.4	0	1	148.6	0	0			
GMP03	GMP		1340	91.4	29.88	0.7	3	16.5	1	60	69.9	0	0			
Ex3	~~Before Carbon~~	well	1347	93.4	29.88	0.7	5.1	4.6	14.7	100	5	0	0			
Ex1	~~After Hydrosil~~	Before	1357	94	NA	NA	1.4	3.2	18.2	28	3.8	0	50			
~~GMP14~~	~~GMP~~		~~1405~~	~~91~~	~~NA~~	~~NA~~	~~1.4~~	~~3.2~~	~~18.5~~	~~28~~	~~0~~	~~0~~	~~50~~			JHM
GMP14	GMP		1430	98.3	29.86	0.8	0	0.1	21.8	0	0.8	0.8	0			
Ex1	After hydrosil		1405	91	NA	NA	1.4	3.2	18.5	28	0	0	50			

Name: James Medley, Margaret Li

Date: 10/08/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP14	GMP		0830	68.3	29.92	0	0	0.3	20.6	0	1.8	0.4				
GMP22			0838	70.6	29.92	0	15.0	22.3	0	100	2.3	0.4			Ø	
GMP02A			0845	69.6	29.92	0	2.4	16.3	0.3	49	54.7	0.4				
GMP01A			0855	72.6	29.92	0	0.1	14.8	0	1	166.9	0.9			Ø	
GMP12	↓		0900	71.0	29.92	0	0.2	9.0	2.1	3	180.7	0.4			Ø	
Ex3	Well		0907	72.8	29.92	0	12.7	15.2	3.2	7100	23.8	0.9			Ø	
Ex4	Well		0911	69.8	29.92	0	33.5	22.0	0.2	>100	4.2	0.9				
~~Ex1~~	~~Before Carbon~~		~~0911~~													
~~Ex1~~	~~After hydrosil~~		~~1056~~													
Ex2	Well		1116	78.8	29.87	-0.1	3.8	9.4	10.2	76	386	Ø				
Ex1	Before Carbon		1056	80.6	NA	NA	1.3	3.8	17.1	26	5.4	Ø	50			
Ex1	After hydrosil		1106	79.7	NA	NA	1.3	3.8	16.2	25	Ø	Ø	50			

Name: JAMES MEDLEY / MARGARET LI
Date: 10/09/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP22	GMP		0740	58.4	29.92	-0.2	13.2	20.3	0.0	>100	18.5	0.0	50			
GMP12	GMP		0750	55.5	29.92	-0.2	0.8	8.3	3.7	16	290	0.6	50			
GMPØ1A	GMP		0755	54.8	29.92	-0.2	0.5	12.3	0.0	10	242.6	0.0	50			
GMPØ2A	GMP		0800	55.9	29.92	-0.2	2.4	14.5	1.4	46	155.6	0.0	50			
EX-4	WELL		0805	57.2	29.92	-0.2	31.8	19.8	0.7	>100	3.4	0.0	NA			
EX-3	WELL		0808	57.9	29.92	-0.2	13.2	14.5	4.5	>100	51.5	0.0	50			
GMP14	GMP		0815	60.0	29.93	-0.1	0.0	0.0	19.2	0	0.0	0.0	50			
EX-2	BEFORE CARBON		0825	57.7	NA	NA	6.1	18.0	1.3	>100	61.4	0.0	50	20		collect suma @ 0838
EX-2	AFTER ~~CARBON~~ HYDROSIL		0835	57.2	NA	NA	7.3	11.6	1.4	>100	0.0	0.0	50			collect suma @ 0840
GMP12	GMP		0844										50		0.02	
GMPØ1A	GMP		0847										50		0.01	
GMP22	GMP		0849										50		0.07	
EX-3	WELL		0851										50		0.03	
GMP12	GMP		0854										50		0.03	
GMPØ1A	GMP		0856										50		0.03	
GMP22	GMP		0858										50		0.07	
GMP12	GMP		0903										50		0.02	
GMPØ1A	GMP		0907										50		0.03	
GMP22	GMP		0908										50		0.08	GMP22 ~~last round of Benzene~~ check POWER @ 09:
GMP22	GMP		0922	64.7	29.94	-0.2	0.0	0.1	19.6	0.0	0.0	0.0		30	0.10	inc. Q to 30 scfm
GMP14	GMP		0929	62.9	29.94	-0.2	0.0	0.4	18.4	0.0	0.0	0.0			NA	
EX-3	WELL		0933	62.6	29.94	-0.2	7.9	8.8	9.7	>100	43.2	0.0			NA	
EX-4	WELL		0938	63.6	29.94	-0.2	31.8	20.1	0.0	>100	3.4	0.0			NA	
GMPØ2A	GMP		0942	62.4	29.94	-0.2	3.8	15.3	1.0	76	121	0.0			NA	→ Remeasure
GMPØ1A	GMP		0947	64.3	29.94	-0.2	0.0	6.4	18.2	~~0.0~~ 3	~~0.0 mg~~ 20.2	0.0			0.03	GOOD SIGN? OR NEG PRES. — check GEM20
GMP12	(GMP 12)		0955	64.4	29.94	-0.1	~~0.0~~ 0.2	~~5.7~~ 6.9	6.7	3	62.9	0.0			0.05	GMP12
GMP22	GMP		1000												0.08	
GMPØ1A	GMP		1004												0.04	GMPØ1A
GMP12	GMP		1007												0.03	

Name: JAMES MEDLEY / MARGARET L.

Date: 10/09/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP01A	GMP		1012	—	—	—	—	—	—	—	—	—	50	30	~~0.10~~ 0.03	
GMP12	GMP		1013	—	—	—	—	—	—	—	—	—		30	0.03	
GMP22	GMP		1000	—	—	—	—	—	—	—	—	—		30	~~0.03~~ 0.10	
GMP22	GMP		1020	65.4	29.94	-0.1	12.2	18.2	1.4	>100	0.0	0.0		40	0.09	Q. inc. to 40 scfm
GMP12	GMP		1027	67.6	29.94	-0.1	0.2	6.6	7.6	4	117.8	0.0			0.03	
GMP01A	GMP		1033	63.3	29.94	-0.1	0.0	8.8	6.7	0.0	204.4	0.0			0.02	
GMP02A	GMP		1038	62.0	29.94	-0.1	3.6	14.8	1.3	72	0.0	0.0			NA	
EX-4	WELL		1043	65.1	29.94	-0.1	31.3	19.6	0.3	>100	0.0	0.0			NA	
EX-3	WELL		1046	65.1	29.94	-0.1	7.6	8.2	10.6	>100	32.6	0.0			NA	
GMP14	GMP		1051	63.6	29.94	-0.1	0.0	0.3	20.0	0.0	0.0	0.0			NA	
GMP22	GMP		1055	—	—	—	—	—	—	—	—	—			0.09	
GMP12	GMP		1056	—	—	—	—	—	—	—	—	—			0.03	
GMP01A	GMP		1057	—	—	—	—	—	—	—	—	—			0.03	
EX-1	BEFORE CARBON		1100	67.2	NA	NA	1.3	3.6	16.5	26.0	14.7	0.0			NA	
EX-1	AFTER HYDRO		1107	68.7	NA	NA	1.3	3.6	16.5	26.0	0.0	0.0		↓	NA	EX-1 sys power probe - sensitive → Recover Blower POWER - BLOWER 2 OFF
GMP22	GMP		1124	75.7	29.89	-0.2	~~0.0~~ 13.7	~~0.3~~ 19.0	1.2	>100	0.0	0.0		50	0.08	Tricky Electrical Problem - can it hold both blowers → BLOWER EXT # OFF again
GMP12	GMP		1129	73.2	29.89	-0.2	0.2	6.2	8.9	3	256.8	0.0			0.03	
GMP01A	GMP		1153	73.4	29.87	+0.3	0.0	7.7	9.9	0.0	0.0	0.0			0.03	FIXED ELECTRICAL PROBLEM → SEPARATE BLOWER TO DIF Electric switch
GMP02A	GMP		1158	73.2	29.87	+0.3	3.5	14.7	1.8	70	0.0	0.0			0.03	
EX-4	WELL		1202	71.0	29.87	+0.3	31.6	19.8	1.0	>100	0.0	0.0			NA	checked BLOWERS
EX-3	WELL		1206	73.0	29.87	+0.3	2.3	2.3	17.9	76	14.7	0.0			0.04	Electricity > Fine
GMP14	GMP		1212	71.4	29.87	+0.3	0.0	0.2	20.0	0.0	0.0	0.0				
GMP22	GMP		1216	—	—	—	—	—	—	—	—	—			0.12	
GMP12	GMP			—	—	—	—	—	—	—	—	—			0.05	
GMP01A	GMP			—	—	—	—	—	—	—	—	—	↓	↓	0.02	
																MR. 10/9/02

Name: James Medley

Date: 10/10/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP22	GMP22		1008	63.8	29.98	+000.5	10.5	18.7	2.1	>100	Ø	Ø	50/	50/29		
GMP23	GMP23		1017	65.1	29.98	+000.5	41.2	23.9	Ø.Ø	>100	8.4	Ø.8	—	—		
GMP24	GMP24		1025	64.2	29.98	+000.5	37.4	25.9	Ø.Ø	>1ØØ	7.Ø	1.2	—	—		
GMP25	GMP25		1034	64.2	29.98	+000.5	24.7	27.4	0.0	>100	6.6	Ø	—	—		
GMP26	GMP26		1042	64.9	29.98	+ØØØ.5	6.6	23.2	0.0	>1ØØ	Ø.8	Ø.8	—	—		
EX9	Well		1050	65.1	29.98	+000.5	29.6	18.2	0.2	>1ØØ	Ø	Ø.5	—	—		
EX8	Well		1057	64.5	29.98	+0005	32.6	20.3	0.3	>100	2.5	Ø.Ø	—	—		
EX7	Well		1103	63.9	29.98	+000.5	22.2	24.0	1.1	>1ØØ	15.2	Ø.5	—	—		
EX6																
EX5			1110	64.4	29.98	+000.5	32.0	23.7	Ø.2	>100	16.1	Ø.5	—	—		
EX4			1116	64.9	2998	+000.5	30.5	22.0	Ø.Ø	>100	6.3	Ø.8	—	50/29		
EX3			1122	64.5	29.98	+000.5	0.7	0.6	19.8	13	8.4	Ø.8	—	50/29		
EX1																
EX1																
EX1																
EX1																
EX2	Before Carbon	—	1144	—	—	—	1.3	8.7	9.8	26	9Ø.5	1.2	50/26	50/30		
EX2	After 2nd Carbon	—	1148	—	—	—	1.2	8.7	9.8	24	Ø	1.2	50/26	50/30		
EX2	Hydrosil	—	1154	—	—	—	1.2	8.7	9.7	24	Ø	1.2	50/26	50/30		time 1154
EX2	Effluent	—	1158	—	—	—	1.2	8.7	9.6	24	Ø	0.8	50/26	50/30		time 1158
EX2	After 1st Carbon	—	1202	—	—	—	1.3	8.6	9.7	25	Ø	Ø.8	50/26	50/3Ø		
EX1	Before Carbon		1208	—	—	—	1.2	4.2	16.6	23	74.6	1.2	←	~~50/26~~ 50/30		
EX1	After 2nd Carbon		1211	—	—	—	1.2	4.1	16.2	24	Ø	Ø.8	←	~~50/26~~ 50/30		
EX1	Hydrosil		1215	—	—	—	1.2	4.1	16.2	23	Ø	Ø.8	←	~~50/26~~ 50/30		
EX1	Effluent		1219	—	—	—	1.2	4.1	16.1	23	Ø	Ø.8	←	~~50/26~~ 50/30		
EX1	Well	—	1229	65.8	29.95	+000.4	Ø.4	1.Ø	19.Ø	7	10.8	1.2	~~50/~~	50/30		System moved
GMP22A	GMP		1237	64.Ø	29.95	+000.4	1.Ø	12.6	2.1	19	157.1	1.2		50/3Ø		
GMP01A	GMP		1245	65.3	29.95	+000.4	Ø.Ø	3.9	16.1	Ø	57.4	Ø.8		50/30		
GMP12	GMP		1255	66.Ø	29.95	+000.4	Ø.1	3.5	14.8	2	169.8	Ø.8		50/30		

Name: James Medley
Date: 10/10/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX6	Well		1305	67.6	29.95	+000.4	27.4	14.2	7.9	>100	1.8	1.5	-	-		
GMP14	GMP		1315	66.2	29.95	+000.4	0	0.3	20.5	0	0	15	-	50/30		
EX10	Well		1325	68.3	29.93	+000.4	0.2	8.7	6.9	4	330	1.8	-	-		

Name: JAMES MEDLEY / MARGARET LI

Date: 10/11/02

P. 1/2

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX3	WELL		0710	50.1	30.04	0.6	1.4	2.1	17.2	28	Ø	0.0	—	50/30	NA	Preliminary
EX4	WELL		0718	49.9	30.04	0.6	27.7	20.7	0.5	>100	Ø		—			GMP monitoring
GMPZ2	GMP		0726	50.5	30.04	0.6	121	20.7	0.1	>100	2.7		—			
GMP15	GMP		0819	54.1	30.08	0.7	0.0	4.4	14.9	Ø.0	Ø.Ø		—			
GMP14	GMP		0829	55.5			0.10	0.2	20.2	1.0	Ø.Ø		—			
GMPZ3	GMP		0836	55.5			40.2	23.9	0.0	0.0	1.3		—			
EX5	WELL		0840	58.3			31.2	24.0	0.0	>100	2.4		—			
GMPØ1A	GMP		0925	64.5		0.6	0.1	3.5	16.3	2	426		—			Had to cut lock ∴ DELAYED
GMPØ2A	GMP		0932	62.6			0.6	11.2	2.4	12	67		—			
GMPØ3A	GMP		0940	66.0			5.3	17.2	0.4	>100	18.9		—			
EX3	INFLUENT		0954	69.5	NA	NA	13.6	18.5	1.5	>100	27.0	0.0	20/50			System started @ 0950
EX3	AFTER CARBON 1		0955				18.0	2.8	1.8	>100	0.0	0.0				
EX3	AFTER HYDROSIL		0956				14.5	3.1	2.0	>100	0.0	0.0				
EX3	EFFLUENT		0959				16.4	2.8	2.7	>100	0.0	0.0				
EX4	WELL		1018													
GMPØ1A	GMP		1021												0.01	
GMPØ2A	GMP		1022												0.03	
GMPØ2A	GMP		1035												0.03	
GMPØ1A	GMP		1036												0.03	
EX4	WELL		1038												0.03	
EX1	WELL		1041	71.8	30.01	0.4	0.2	1.0	18.6	3	46.0	0			0.05	
EX4	WELL		1050	71.4	30.01	0.4	28.3	21.0	0.2	>100	2.7	0	30/40	50/30		Increase ext. flow to 30 cfm.
GMPZ3	GMP		1057	65.8	30.01	0.4	41.0	23.6	0.0	>100	1.3	0	30/40	50/30		
EX5	WELL		1102	68.1	30.01	0.4	30.7	22.6	0.1	>100	113.1	0	30/40			
GMPØ3A	GMP		1105	68.9	30.01	0.4	6.8	17.4	0.3	>100	10.3	0.6	30/40			
GMP15	GMP		1109	71.2	30.01	0.4	0.0	4.2	15.2	0	0	0	30/40			
GMP14	GMP		1112	75.2	30.01	0.4	0.0	0.2	20.7	0	0	0	30/40			
GMPØ1A	GMP		1118	71.3	30.01	0.4	0.0	2.9	17.7	0	0	0	30/40		0.05	
GMPØ2A	GMP		1124	69.6	30.01	0.4	0.3	9.9	8.3	6	2.0	0	30/40		0.03	

Name: JAMES MEDLEY / MARGARET LI

Date: 10/11/02 p. 2/2

Performance Monitoring Log

Sampling Location.							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMPØ2A	GMP		1135										30/40	50/30	0.04	
GMPØ1A	GMP		1137										30/40	50/30	0.06	
EX4	WELL		1140										30/40	50/30	0.03	
EX4	WELL		1150	73.5	29.97	0.1	26.5	19.1	1.7	>100	8.9	0.0	40/40	50/30	0.07	increase flow to 40 cfm
GMP23	GMP		1155	69.4	29.97	0.1	41.7	24.1	0.0	>100	0.6	0.0				
EX5	WELL		1159	72.5	29.97	0.1	31.8	23.5	0.0	>100	8.9	0.0				
GMPØ3A	GMP		1202	72.8	29.97	0.1	6.0	17.3	0.2	>100	158	0.0				
GMPØ1A	GMP		1221	73.5	29.97	0.1	0.1	2.7	18.2	1.0	0.6	0.0			0.05	-
GMPØ2A	GMP		1227	70.0	29.97	0.1	0.3	8.9	6.7	6.0	179.4	0.0			0.04	
GMP15	GMP		1210	73.9	29.97	0.1	0	4.2	15.2	0	0	0.0				
GMP14	GMP		1205	73.5	29.97	~~0.0~~ 0.1	0.2	0.1	20.6	4	0	0.0				
GMP12	GMP		1234	72.6	29.97	0.1	0.2	0.0	21.1	.3	157.2	0.0				
EX4	WELL		1236												0.05	
EX2	INFLUENT		1238	71.0	29.97	0.1	1.3	6.9	11.3	25	84.5	0.0				
EX2	AFTER CARBON 1		1240		29.97	0.1	1.2	6.9	11.3	23	0.0	0.0				
EX2	AFTER HYDROSIL		1242		29.97	0.1	1.1	6.8	11.3	22	0.0	0.0				
EX2	EFFLUENT		1247		29.97	0.1	1.2	6.9	11.2	23	0.0	0.0				
EX4	WELL		1252	76.9	29.97	0.1	26.5	19.4	2.0	>100	0.6	0.0	50/35			increase flow to 50 cfm
GMP23	GMP		1255	76.7	29.97	0.1	42.8	22.8	0.0	>100	0.0	0.0				
EX5	WELL		1259	79.1	29.97	0.1	31.9	23.7	0.0	>100	17.1	0.0				moisture in tubing of PID.
GMPØ3A	GMP		1304	79.5	29.97	0.1	6.2	17.6	0.2	>100	14.4	0.0				
GMP15	GMP		1308	82.0	29.97	0.1	0.2	4.0	15.2	3.0	0.0	0.0				
GMP14	GMP		1314	82.0	29.97	0.1	0.2	0.1	20.7	4.0	0.0	0.0				
GMPØ1A	GMP		1318	76.0	29.97	0.1	0.1	2.6	18.2	2.0	0.0	0.0			0.05	
GMPØ2A	GMP		1322	74.0	29.97	0.1	0.2	6.7	13.1	4.0	2.0	0.0			0.09	
GMPØ2A	GMP		1325												0.09	
GMPØ1A	GMP		1326												0.04	
EX4	WELL		1330												0.04	

Name: James Medley
Date: 10/14/02

Performance Monitoring Log

Sampling Location							GEM2000				PID		9+EX3	9+EX2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		0902	58.2	30.02	+0.5	0	0.8	19.0	0	42.8	1.1	–	50/30	0.04	
EX2	Influent		0915				0.8	5.0	13.7	15	78.6	1.1	50/36	50/30		
EX2	After Carbon 2		0919				0.8	5.1	13.6	15	0	1.1	50/36	50/30		
EX2	After Hydrosil		0930				0.7	4.6	14.3	13	0	1.1	50/36	50/30		
EX2	Effluent		0935				0.7	4.8	14.1	13	0	1.1	50/36	50/30		
EX3	Influent		0941				~~2.1~~ 2.1	7.4	10.8	41	16.9	0.2	50/36	50/30		
EX3	After Carbon 2		0945				1.9	7.5	~~10.8~~ 10.3	38	0	0.2	50/36	50/30		O_2 = 10.3
EX3	After Hydrosil		0949				1.9	7.5	10.5	37	0	0.2	50/36	50/30		
EX3	Effluent		0953				2.0	7.5	10.6	38	0	0.2	50/36	50/30		
EX4	Well		0958	64.4	30.01	+0.5	21.5	18.8	0.5	>100	9.0	1.1	50/36	–	0.04	
EX5	Well		1010	64.7	30.01	+0.5	28.0	21.5	1.2	>100	9.3	1.9	50/36	–		
GMP22	GMP		1024	70.4	30.01	+0.5	13.4	20.0	0	>100	4.8	1.9	50/36	50/30	0.16	
GMP23	GMP		1004	63.0	30.01	+0.5	36.3	23.7	0	>100	8.7	1.9	50/36	–		
GMP03A	GMP		1017	66.5	30.01	+0.5	6.2	17.1	0.4	>100	17.8	1.4	50/36	–		
GMP12	GMP		1033	70.0	30.01	+0.5	0.1	2.0	17.0	2	70.8	1.4	50/36	50/30		
GMP01A	GMP		1041	68.8	30.01	+0.5	0.1	2.3	18.1	1	14.7	1.1	50/36	50/30		
GMP02A	GMP		1047	64.5	30.01	+0.5	0.2	5.7	13.5	4	43.6	1.1	50/36	50/30		
GMP14	GMP		1105	68.7	29.95	+0.3	0.0	0.2	20.7	0	1.4	0.8	–	50/30		
GMP15	GMP		1118	66.9	29.95	+0.3	0.0	3.9	15.7	0	0.5	0.5	50/36			

Name: James Medley / Margaret Li

Date: 10/15/02 p. 1/3

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX4	Well		0729	55.7	30.05	+0.6	21.2	19.2	0	>	11.2	0.8	50/37	-		
GMP23	GMP		0738	55.5	30.05	+0.6	30.3	18.8	3.7	>	7.1	1.1	50/37	-		
GMP15	GMP		0746	55.5	30.05	+0.6	Ø	4.3	14.8	Ø	0	1.1	50/37	-		
EX5	WELL		0826	59.0	30.04	0.6	29.2	22.6	0.0	>100	7.1	0.8				
GMP03A	GMP		0831	57.5			6.7	17.5	0.3	>	11.8	0.8				
EX6	WELL		0836	56.4			28.5	14.8	6.0	>	2.0	0.2				
GMP24	GMP		0840	57.5			32.5	23.4	1.0	>	9.1	0.8				
EX2	WELL		0852	57.7			1.1	4.4	13.1	21	43.0	0.0				
GMP01A	GMP		0902	57.7			0.0	4.6	17.0	0	1.1	1.1				
GMP02A	GMP		0905	57.0			0.0	4.7	10.7	0	87.8	0.2				
EX3	INFLUENT		0913	59.1	↓ -	— ↓	2.0	7.0	8.0	40	52.3	0.8				
EX3	after carbon		0916	—	—	—	1.9	7.5	7.8	38	0.8	0.8				
EX3	after Hydrosil		0918	—	—	—	1.9	7.6	7.8	39	0.0	0.8				
EX3	EFFLUENT		0921	60.0	30.04	0.6	2.0	7.8	7.9	39	0	0.8				
EX4	INFLUENT		0938				19.8	17.9	0.0	>	9.1	0		20/41		START BLOWER 2 @ EX4 @ 0930
EX4	after carbon		0936				19.5	17.5	0.0	>	0	0		20/41		
EX4	after hydrosil		0939				19.6	17.6	0.5	>	0	0		20/41		
EX4	Effluent		0948		↓	↓	19.8	17.7	1.0	>	0	0		20/37		
GMP23	GMP		0958	60.9	30.01	0.5	38.0	22.1	0.0	>	25.2	0			0.09	
EX5	WELL		1003	60.0	30.01	0.5	29.1	22.7	0.3	>	11.4	0			0.03	
GMP03A	GMP		1006	59.7	30.01	0.5	6.1	17.2	0.6	>	11.4	0			0.02	
GMP02A	GMP		1013	60.4	30.01	0.5	0.0	3.4	16.4	0	4.5	0			0.05	
GMP02A	GMP		1015	60.4	—	—	—	—	—	—	—	—			0.05	
GMP01A	GMP		1017	60.4	30.01	0.5	0.0	3.4	9.6	0	2.2	0				
EX2	WELL		1021	60.4			0.0	0.0	20.8	0	0.0	0				insufficient flow to monitor GMP24, EX6 & GMP
GMP23	GMP		1030	61.8			36.7	22.6	0.0	>	18.3	0		30/33	0.06	increase flow to 30 scfm
EX5	WELL		1034	61.8			29.1	22.7	0.7	>	11.4	0			0.03	
GMP03A	GMP		1036	62.4			0.8	12.6	2.6	16	4.5	2.2			0.01	
EX6	GMP		1040	60.9			16.7	8.4	12.5	>	0	0			—	

Correct blower flowrate

Name: JAMES MEDLEY / MARGARET LI

Date: 10/15/02 p.2/3

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP24	GMP		1042	61.7	30.01	0.5	36.1	25.7	0	>	2.2	0	50/37	30/33	—	
EX2	WELL		1045	60.6			0.2	0.3	20.1	3	11.4	0			—	
GMPØ1A	GMP		1044	61.2			0.0	3.3	10.3	0.0	1.9	0			—	
GMPØ2A	GMP		1052	60.0			0.0	3.7	16.1	0.0	4.4	0			0.04	
GMP15	GMP		1058	62.9			0.0	4.1	15.4	0.0	2.0	2.0			—	
GMP14	GMP		1101	63.0			0.0	0.2	20.7	0.0	0.0	0.0			—	
GMPØ2A	GMP		1106												0.04	
GMP23	GMP		1116												0.07	
EX5	WELL		1117												0.05	
GMPØ3A	GMP		1118												0.01	
GMP23	GMP		1130	62.4			37.2	22.9	0.0	>	13.7	0		40/32	0.1	increase flow to 40 scfm
EX5	WELL		1134	62.4			19.7	15.1	6.8	>	13.7	0			0.05	
GMPØ3A	GMP		1137	63.3			6.3	17.3	0.8	>	41.5	0			0	
EX6	WELL		1143	64.0			18.6	19.1	11.7	>	0.0	0			—	
GMP24	GMP		1145	63.8	29.98	0.5	32.6	24.6	0.2	>	2.2	0			—	
EX2	WELL		1152	64.2	29.98	0.5	0.4	1.0	17.8	7	36.7	0			—	
GMPØ1A	GMP		1158	64.0	29.98	0.5	0.0	3.9	11.6	0.0	22.6	0			—	
GMPØ2A	GMP		1204	64.9	29.98	0.5	0.0	3.0	18.3	0.0	2.0	0			0.06	
GMPØ3A	GMP		1210												0.0	
GMPØ2A	GMP		1214												0.06	
GMP23	GMP		1207												0.07	
EX 5	WELL		1208												0.05	
GMP23	GMP		1230	64.9	29.95	0.3	37.1	22.1	0.0	>	22.4	0		50/28	0.09	increase flow to 50
EX5	WELL		1234	66.1			18.4	14.2	7.5	>	13.7	0		50/28	0.05	
GMPØ3A	GMP		1236	65.6			5.7	16.0	2.2	>	32.4	0			0.05	
EX6	WELL		1239	65.3			11.6	5.5	15.2	>	2.2	0			—	
GMP24	GMP		1241	66.5			35.8	25.7	0.0	>	5.2	0			—	
EX2	WELL		1245	66.3			0.5	1.4	16.8	8	43.6	0			—	
GMPØ1A	GMP		1249	66.3			0	3.5	13.5	0	27.5	0			—	

Name: JAMES MEDLEY / MARGARET LI
Date: 10/15/02 P.3/3

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_20)	Notes
GMP02A	GMP		1254	64.5	29.93	0.4	0.0	2.5	19.1	0	34.0	0	50/37	50/28	0.06	
GMP02A	GMP		1302												0.06	
GMP23	GMP		1306												0.10	
GMP03A	GMP		1307												0.03	
EX5	WELL		1307												0.05	
GMP15	GMP		1311	66.0	29.93	0.4	0.0	4.1	15.6	0	0	0			—	System stabilized No Electrical prob

MK. 10/15

Name: James Medley
Date: 10/16/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_20)	Notes
Ex4	Influent		0835		29.99		3.9	7.2	9.7	79	45.5	Ø	50/34	50/31		
Ex4	After Carbon 1		0842				3.8	7.3	9.6	77	Ø	Ø				
Ex4	After Hydrosil		0850				3.9	7.3	9.6	78	Ø	Ø				
Ex4	Effluent		0854				3.9	7.2	9.7	77	Ø	Ø				
Ex3	Influent		0913				1.5	5.5	10.5	30	81.1	Ø				
Ex3	After Carbon 1		0920				1.4	5.5	10.7	27	Ø	0				
Ex3	After Hydrosil		0931				1.4	5.6	10.6	27	Ø	0				
Ex3	Effluent		0942				1.4	5.6	11.0	27	Ø	0				
GMP01A	GMP		0950	61.3	29.98	0.6	0.2	6.0	11.8	5	0	0				
GMP02A	GMP		0957	60.0			0.2	2.9	16.7	4	0	0				
Ex2	Well		1005	59.9			0.6	4.2	10.3	11	82.0	0.9				
GMP23	GMP		1015	61.0			25.5	21.7	0	>	6.6	0.9				
Ex5	Well		1022	62.4			26.0	21.7	0.2	>	12.2	0.9				
~~Ex6~~ GMP03A	GMP		1030	59.9			1.1	9.2	8.4	20	330	0.9				
Ex6	Well		1039	61.7	29.95	0.5	9.7	4.1	15.9	>	0.9	0.9				
GMP24	GMP		1049	61.6			35.4	25.5	0.2	>	0.9	0.9				
GMP14	GMP		1657	62.2			0	0.1	20.2	Ø	0	0.9				
GMP15	GMP		1106	63.3			Ø	4.0	15.8	Ø	0	Ø.9				
Ex10	Well	H 34m	1115	67.5	29.95	0.5	Ø	8.3	7.2	Ø	153.8	2.0				
GMP25	GMP		1127	68.6	29.95	0.5	23.0	27.8	Ø	Ø	12.3	Ø.9				
Ex1	Well		1246	70.1	29.84	0.1	0.3	3.5	14.4	5	75.8	2.0				
GMP22	GMP		1256	70.2	29.84	0.1	11.1	18.8	0.4	>	4.1	2.0				
Ex7	Well		1308	70.0	29.84	Ø.1	22.2	25.5	0	>	12.3	2.0				
Ex8	Well		1317	69.4	29.84	Ø.2	31.9	19.9	0.3	>	Ø	2.0				
Ex9	Well		1325	71.0	29.84	Ø.2	27.7	18.5	0.6	>	2.0	2.0				
GMP26	GMP		1332	73.0	29.85	Ø.2	1.7	21.1	Ø	34	6.4	2.0				
Ex3	Well		1340	69.4	29.85	Ø.2	0.1	0	21.1	1	4.1	2.0				after system shutdown 9+1338

H= After Hydrosil
I= Influent
E= Effluent
G=GMP
W=WELL

Name: JAMES MEDLEY / MARGARET LI
Date: 10/17/02 p. 1/3

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP04A	G		0832	59.4	30.00	0.6	0.0	9.2	3.4	0	10.8	0.5	~~20~~ 0	50/29		
GMP02A	G		0838	58.4			1.2	5.3	10.8	23	2.5	0.5	—			
GMP23	G		0848	60.8			17.4	18.9	0	>	5.6	0.5	-			
GMP03A	G		0852	59.3			2.5	13.9	3.1	50	7.7	0.5	-			
EX6	WELL		0900	60.9			7.8	3.2	16.5	>	0.5	0.5	-			
GMP24	G		0903	61.1			34.7	25.8	0	>	2.5	0.5	-			
EX7	WELL		0905	60.9			21.6	26.2	0	>	4.6	0.5	-			
EX5	WELL		0908	61.3			17.8	16.2	5.0	>	4.6	0.5	—			monitor before system start up
EX5	INFLUENT		0920	63.5			22.4	21.6	0.3	3>	5.6	0.5	20/44		summa	start system at 0915
EX5	CARBON		0921	62.9			28.4	7.8	0.4	>	0	0.5				
EX5	HYDROSIL		0925	64.5			28.8	5.7	0.1	>	0	0.5				
EX5	EFFLUENT		0929	64.5			24.8	14.2	0.3	>	0	0.5				summa canister
GMP23	G		0934	62.9			13.5	16.9	0.0	>	9.7	0.5			0.20	
GMP03A	G		0940	62.9	29.95	0.5	0.1	6.4	9.2	3	0.5	0.5			0.04	
EX6	WELL		0945	63.5			0.2	0.1	20.3	3	0.5	0.5			0.01	
GMP24	G		0948	63.1			33.7	25.1	0	>	1.5	0.5			0.02	
EX7	WELL		0951	62.6			21.1	28.1	0.1	>	3.6	0.5			0.02	
EX3	WELL		0955	68.0			0.3	0.9	18.7	6	12.8	0.5				
GMP01A	G		1002	66.8			2.4	8.6	1.2	47	20.1	0.5				
GMP02A	G		1007	66.5			1.3	5.5	10.2	24	1.5	0.5				
GMP04A	G		1010	67.1			0.0	8.8	3.7	0	15.7	0.5				
GMP23	G		1017	63.8			13.1	16.8	0	>	1.5	0.5	30/40		0.23	increase Q = 30 scfm
GMP03A	G		1022	67.5			0.0	5.4	11.5	0	0.5	0.5			0.07	
EX6	WELL		1025	67.1			0.0	0.0	20.7	0	0.5	0.5			0.05	
GMP24	G		1028	67.5			34.7	25.1	0.0	>	33.5	0.5			0.04	
EX7	WELL		1030	65.4			21.7	22.5	0	>	0.5	0.5			0.01	
EX3	WELL		1035	68.5			0.6	1.3	17.8	12	35.5	0.5				
GMP02A	G		1040	65.4	29.93	0.4	1.2	5.5	10.2	25	38.6	0.5				
GMP04A	G		1045	65.9			0.0	8.9	3.6	0	6.7	0.5				

+ check instrument on PID fluctuation btw 0-0.5 ppm
* GEM2000 shut off by itself
miss initial EX3 monitoring reading before system started

Name: JAMES MEDLEY / MARGARET LI
Date: 10/17/02 p. 2/3

Performance Monitoring Log

Sampling Location								GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP23	G		1100		29.94	0.03	—	—	—	—	—	—	30/30	50/27	0.25	
GMP03A	G		1102		↓	↓	—	—	—	—	—	—	↓	↓	0.08	
EX6	WELL		1103				—	—	—	—	—	—			0.06	
GMP24	G		1104				—	—	—	—	—	—			0.07	
EX7	WELL		1105				—	—	—	—	—	—	↓		0.02	
GMP23	G		1115	65.4			9.2	12.7	2.7	>	0.5	0.5	40/38		0.25	Increase Q = 40 scfm
GMP03A	G		1121	69.6			0.0	2.4	17.5	0	0.5	0.5			0.06	open
EX6	WELL		1125	69.8			0.0	0.0	20.9	0	13.9	0.5			0.05	
GMP24	G		1128	70.5			34.2	25.5	0	>	77.8	0.5			0.05	
EX7	WELL		1132	69.6			21.7	26.0	0	>	37.1	0.5			0.02	
EX3	WELL		1138	67.4			0.8	1.2	17.7	15	57.7	0.0				OVM stabilized to 0 PPM
GMP02A	G		1143	68.2			1.2	5.5	10.1	23	34.8	0.0				
GMP09A	G		1147	68.9			0.0	8.4	4.4	0	25.7	0.0				
GMP EX4	WELL-INFLU		1153	74.2			1.8	4.8	11.6	36	34.9	0.0				
EX4	AFTER CARBON		1156	72.4			1.9	4.7	11.6	38	0.0	0.0				
EX4	AFTER HYDROSIL		1158	68.3			1.7	4.7	11.7	34	0.0	0.0				
EX4	EFFLUENT		1159	—	no reading for effluent		—	—	—	—	—	—				
GMP23	G		1202				—	—	—	—	—	—			0.27	condensation - water collected
GMP03A	G		1203				—	—	—	—	—	—			0.1	
EX6	WELL		1204				—	—	—	—	—	—			0.04	
GMP24	G		1205				—	—	—	—	—	—	↓		0.06	
GMP23	G		1220	67.8	↓	↓	10.2	15.2	0	>	5.1	0.0	50/34		0.32	
GMP03A	G		1223	67.5	29.92	0.03	0	11	15.1	0	5.1	0.0			0.11	CH_4 = 0 O_2 = 15.1 CO_2 = 4.1 Vac = 0.11
EX6	WELL		1225	68.4			0.0	0.0	20.9	0	0.0	0.0			0.09	
GMP24	G		1227	68.7			30.2	22.5	1.4	>	58.6	0.0			0.06	
EX7	WELL		1230	66.8			21.1	25.6	0.0	>	25.7	0.0			0.08	
EX3	WELL		1238	66.9			0.2	0.5	19.6	3	27.8	0.0			—	
GMP02A	G		1244	67.1			1.1	5.4	10.7	21	8.4	0.0			—	
GMP09A	G		1247	69.1	↓	↓	0	8.3	5.4	0	3.6	0.0	↓	↓	—	

Name: JAMES MEDLEY / MARGARET LI

Date: 10/17/02 p. 3/3

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_20)	Notes
GMP23	G		1253										50/34	50/29	0.32	
GMP03A	G		1254										↓	↓	0.11	
EX6	WELL		1256												0.07	
GMP24	G		1258												0.08	
GMP15	G		1305	69.8	29.93	0.03	0	3.6	16.2	0	0	0	↓	↓	—	SYSTEM OPERATING AS NORMAL

Name: James Medley, Margaret Li

Date: 10/18/02 p. 1/1

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX4	Influent		0845	63.9	30.05	0.5	0.9	4.0	12.1	20	43.5	0.0	50/34	50/29		
EX4	After Carbon		0850		30.05	0.5	0.9	3.9	12.2	17	0.0	0.0				
EX4	After Hydrosil		0855		30.05	0.5	0.9	3.9	12.1	17	0.0	0.0				
EX3	WELL		0900	60.9			0.0	0.2	19.8	0.0	8.0	0.0				
GMP23	GMP		0905	59.7			0.2	2.3	16.0	0.4	14.5	0.0				
EX5	Influent		0912	60.4			8.6	10.8	6.8	>	14.9	0.0				
EX5	After Carbon		0915				8.2	10.8	6.8	>	0.0	0.0				
	~~After Hy~~		~~09~~				~~8.6~~	~~10.8~~	~~6.8~~	~~>~~	~~0.0~~	~~0.0~~				
EX5	After Hydrosil		0915		30.05	0.5	7.9	10.5	7.1	>	0.0	0.0				
GMPØ3A	GMP		0920	60.9	30.04	0.5	0.0	2.3	17.7	0	4.2	0.0				
~~GMP~~ EX6	WELL		0927	59.5	30.04	0.5	0.0	0.0	20.6	0	0.	0.0				
GMP24	GMP		0930	60.6	30.04	0.5	30.3	23.2	0.9	>	5.2	0.0				
EX7	WELL		0933	60.0	30.04	0.5	21.0	25.6	0.0	>	0.0	0.0				
EX2	WELL		0938	61.0			0.9	5.0	7.9	17	38.1	0.0				
GMP15	GMP		0944	60.7			0.0	3.5	16.4	0.0	0.0	0.0				
GMPØ4A	GMP		0950	59.9			0.0	6.8	9.7	0.0	0.0	0.0				
GMPØ2A	GMP		1004	61.1			0.8	6.0	10.0	16	4.1	0.0				
GMPØ1A	GMP		1007	60.4			0.0	9.3	2.3	0.0	2.6	0.0				wk GMP monitoring...
GMP12	GMP		1011	61.3			0.0	4.7	1.0	0.0	8.0	0.0				
GMP1Ø	GMP		1015	62.5			0.0	2.3	18.9	0.0	0.0	0.0				
GMP21	GMP		1020	62.1			0.0	1.0	19.5	0.0	0.0	0.0				
GMP22	GMP		1025	62.9			0.1	3.6	16.6	1.0	0.0	0.0				
IRØIMW16A	GW WELL		1030	62.1			43.8	22.4	4.0	>	0.0	0.0				
IRØIMW18A	GW WELL		1035	63.9			63.7	32.5	0.0	>	0.0	0.0				
IRØI 1-5	GW WELL		1040	62.9			72.6	29.8	0.0	>	0.0	0.0				
IRØI MW36A	GW WELL		1130	64.2			2.3	2.2	17.0	48	0.0	0.0				wkly GMP mon
PASSIVE EXTRACTION SYSTEM																
GG RAILROAD → PASSIVE Inf					29.97	0.1	~~56.3~~			~~6.5~~	0.					SUBT COMPLETED - GRUE not dry
PASS Ø4	GG RAILROAD Influent				29.97	0.1	42.6	15.7	6.0	>	>600	0.0				high VOC since newly i
PASSØ4	Effluent – hydrosil						27.5	6.4	9.4	>	0.0	0.0				
PASSØ3	Influent						1.1	2.9	13.0	21	500	0.0				
PASSØ3	Effluent – hydrosil						0.3	0.0	20.9	5	0	0.0				
PASSØ2	Influent } end of bldg						2.5	3.1	16.6	48	40.7	0.0				
PASSØ2	Effluent – Hydrosil						0.1	0	19.2	2	0.0	0.0				
PASSØ1	Influent						49.4	29.6	0.0	>	0.0	0.0				
PASSØ1	Effluent → Hydrosil						0.2	0.0	12.9	4	0.0	0.0				

wf. 10/18

Name: James Medley ~~Margaret Li~~
Date: 10/21/02

Performance Monitoring Log

Sampling Location							GEM2000				PID		EX5	EX4		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP01A	GMP		0800	55.4	29.96	+0.6	0	10.3	3.2	0	14.3	0	50/34	50/29		
GMP02A	GMP		0810	52.8			0.6	8.4	6.7	12	5.7	0				
GMP04A	GMP		0820	54.3			0	5.9	10.9	0	0	0				
GMP15	GMP		0833	55.4			0	3.5	16.2	0	0	0				
EX2	Well		0840	57.0			0.9	6.1	3.9	18	75.3	0				
EX3	Well		0848	57.3			0.3	1.8	14.0	6	31.8	0				
GMP23	GMP		0855	57.0			0.1	0.8	19.0	2	9.6	0				
GMP03A	GMP		0903	56.6			0.0	1.5	18.5	0	0	0				
EX6	Well		0910	57.3			0	0	20.3	0	0	0				
GMP24	GMP		0919	57.8			28.7	22.9	0.7	>100	17.3	0				
EX7	Well		0927	58.2			19.5	26.0	0	>100	5.7	0				
EX5	Inflent		0935	71.6			2.3	7.1	9.2	43	40.5	0				
EX5	After carbon 1		0939	70.3			2.2	7.1	9.3	43	0	0				
EX5	Hydrosil		0943	66.9			2.2	7.1	9.3	42	0	0				
EX5	Effluent		0946	77.9			2.2	7.0	9.3	43	0	0				temp=77.9
EX4	Inflent		0951	72.5			0.5	2.8	14.2	10	54.1	0				
EX4	Carbon 1		0955	72.5			0.4	2.8	14.3	8	0	0				
EX4	Hydrosil		0959	68.1			0.4	2.7	14.4	8	0	0				
EX4	Well		1045	68	29.92	+0.5	0	0	20.6	0	2.1	0				reading after system shut down at 1040

Name: James Medley[redacted]

Date: 10/22/02

Performance Monitoring Log

Sampling Location							GEM2000				PID		A+Ex5			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP04A	GMP		1014	57.5	30.04	0.6	0	5.2	12.8	0	1.6	0	50/35			
GMP02A	GMP		1024	56.6			5.4	10.6	1.1	>	6.5	0				
EX10	Well		1201	57.9			0	6.5	10.4	0	34.2	0				
EX1	Well		1210	58.4			0	11.1	3.6	0	49.9	0				
GMP22	GMP		1218	58.2			5.7	16.5	0	>	21.5	0				
EX2	Well		1225	59.5			0.7	6.3	3.4	15	55.5	0				
EX3	Well		1232	59.7			0.7	3.1	8.7	14	36.9	0				
EX4	Well		1240	59.1			0.3	1.0	13.8	6	45.6	1.6				
GMP23	GMP		1247	60.7			0.2	0.8	18.2	3	8.1	0				
GMP03A	GMP		1255	58.8			0	1.6	18.1	0	0	0				
EX6	Well		1301	59.9			0	0	20.6	0	0	0				
GMP24	GMP		1308	60.0			30.5	24.6	0.1	>	8.1	0				
EX7	Well		1315	59.5			18.6	25.7	0.0	>	3.2	0				
GMP25	GMP		1321	59.1			12.0	20.0	0	>	6.5	0				
EX8	Well		1328	58.8			30.6	20.8	0	>	0	0				
EX9	Well		1349	60.0			25.3	19.1	0	>	0	0				
GMP26	GMP		1359	60.9			0.1	16.0	3.6	2	0	0				
EX5	Influent		1408	—			1.2	5.8	10.9	24	35.9	0	50			
EX5	After Carbon 1		1411	—			1.1	5.7	16.0	22	0	0	50			
EX5	After Hydrosil		1415	—			1.0	5.7	11.0	20	0	0	50			

Name: James Medley
Date: 10/23/02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	EX5 Recovery Blower #1 Loc/ flowrate (cfm)	EX6 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP07A	GMP		810	55.5	30.10	+0.6	23	10.9	2.9	>	18.3	0	50	—		
GMP04A			821	55.0			0	6	9.8	0	4.1	0		—		
GMP23			832	55.2			0.2	0.8	17.9	4	10.2	0		—		
GMP03A			8:38	56			0	1.3	18.5	0	0	0		—		
GMP24			843	55.9			25.5	21.0	2.9	>	8.9	0		—		
EX7	Well		848	57.7			17.7	25.4	0	>	4.1	0		—		
GMP25	GMP		852	57.1			10.5	19.7	0	>	2.0	0		—		
EX8	Well		859	56.8			30.2	21.0	0	>	0	0		—		
EX5			908	—			1.4	6.0	10.3	27	71.7	0		—		
EX5			912	—			1.3	6.0	10.4	25	0	0		—		
EX5			915	—			1.3	6.0	10.4	24	0	0		—		
EX6	Well		938	56.3			0	0	20.5	0	0	0		—		before system started at 9:5
EX6	Influent		954	—			19.8	2.2	6.6	>	6.8	0		20		Summa
EX6	Carbon		958	—			19.9	1.9	6.4	>	0	0				
EX6	Hydrosil		959	—			20.2	0.8	6.3	>	0	0				Summa
EX6	Effluent		Liquid coming out of sample port. Not Sampled													
GMP24	GMP		1030				15.0	13.7	7.2	>	0	0			0.52	
EX7	Well		1037				16.0	23.7	1.1	>	0	0			0.14	
GMP04A	~~Well~~ GMP		1044	56.8			0	3	15.3	0	0.8	0			0.04	
GMP24	GMP		1055	58.6			14.4	11.7	5.8	>	0	0		30	0.55	
EX7	Well		1100	58.6			16.6	24.2	1.1	>	2.0	0			0.18	
GMP03A	GMP		1108	56.3			0	0	20.6	0	0	0			0.16	
GMP25	GMP		1103	59.0			9.3	16.8	1.6	>	4.1	0				
EX8	Well		1115	58.8			28.8	18.2	0.6	>	0	0				
GMP23	GMP		1120	58.6			0.2	0.9	18.3	3	4.2	0			0.15	
GMP07A	GMP		1126	57.0			1.6	10.1	4.1	32	14.6	0			0	
GMP04A	GMP		1133	57.9			0	4.5	13.8	0	0	0			0.04	
GMP24	GMP		1141												0.60	
EX7	Well		1142												0.14	
GMP03A	GMP		1143												0.25	
GMP23	GMP		1144												0.18	
GMP24	GMP		1152	61.0			15.8	14.8	5.9	>	2.0	0		40	0.65	
EX7	Well		1158	60.4			13.3	19.5	3.7	>	4.1	0			0.14	
GMP25	GMP		1203	61.1			10.3	19.0	0.1	>	0	0			0.10	
EX8	Well		1209	59.1			29.7	20.5	0	>	0	0			0.0	
GMP03A	GMP		1214	58.8			0	1.2	19.4	0	0	0			0.20	
GMP23	GMP		1220	59.3			0	0.8	~~20.7~~	0	6.1	0			0.24	O_2 = ~~20.7~~ 18.7
GMP07A	GMP		1226	60.2			1.7	10.1	4.1	33	20.1	0			0.0	
GMP04A	GMP		1231	59.1			0	5.2	12.5	0	0	0			0.03	

Name: James Medley
Date: 10/23/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	EX5 Recovery Blower #1 Loc/ flowrate (cfm)	EX6 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP23	GMP		1239										50	40	0.25	
GMP03A	GMP		1240												0.22	
GMP24	GMP		1241												0.65	
Ex7	Well		1242												0.14	
GMP24	GMP		1251	61.1	30.10	+0.6	15.0	12.7	6.2	>	0	0		50	0.72	CH4 = 14.0
Ex7	Well		1256	61.6			5.1	22.8	1.6	>	2.0	0			0.14	
GMP25	GMP		1301	60.9			7.2	12.0	7.4	>	2.0	0			0.11	
Ex8	Well		1306	61.3			38.9	20.4	0	>	0	0			0.02	
GMP03A	GMP		1312	60.2			0	0.8	19.9	0	0	0			0.25	
GMP23	GMP		1317	60.9			0	0.8	18.4	0	6.1	0			0.28	
GMP02A	GMP		1324	61.3			1.5	10.0	4.1	29	16.4	0			0	
GMP04A	GMP		1329	61.5			0	5.0	12.8	0	0	0			0.04	
GMP23	GMP		1340	—											0.28	
GMP03A	GMP		1341	—											0.33	
GMP24	GMP		1342	—											0.78	
Ex7	Well		1343	—											0.16	
Ex4	Well		1350	63.4			0.3	1.2	9.9	6	82.4	0			—	
Ex3	Well		1356	63.5			0.8	4.0	5.1	16	63.7	0			—	

Name: James Medley/ Greg Mason/ John Adams

Date: 24-Oct-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex5	Ex6		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex5	Influent		1043	–	30.03	0.4	1.0	4.2	12.7	20	59.4	0	50	50		
Ex5	After carbon 1		1046	–			0.9	4.2	12.6	19	0	0	50			
Ex5	After Hydrosil		1048	–			0.9	4.2	12.5	19	0	0	50			Ex5 shutdown at 10:50
Ex6	Influent		1051	–			1.4	8.6	5.2	28	129.8	0	–			
Ex6	carbon 1		1054	–			1.4	8.3	5.7	26	0	0	–			
Ex6	Hydrosil		1057	–			1.3	8.6	5.2	26	0	0	–			
Ex7	Well		1103	62.2			15.7	24	0	>	0	0	–			
GMP25	GMP		1107	62.3			11	14.2	5.8	>	0	0	–			
Ex8	Well		1113	62.9			27.1	20.8	0	>	0	0	–			
GMP24	GMP		1117	63.5			3.4	14.6	4.2	67	0	0	–			
GMP03A	GMP		1123	64.2			0.3	1.7	18.3	6	0	0	–			
Ex9	Well		1129	68.1			0.2	0.9	18.8	4	13.0	0	–			
GMP23	GMP		1136	64.2			0.1	0.9	17.9	2	10.1	0	–			
GMP04A	GMP		1145	64.5			0	4.0	14.4	0	0	0	–			
GMP02A	GMP		1155	64.0			1.4	9.9	3.3	27	21.7	0	–			
Pass 01	Influent		1350	–	29.98	0.4	52.2	29.1	0	>	0	0	–			
Pass 01	Hydrosil		1355	–			48.4	32.6	0	>	0	0	–			
Pass 02	Influent		1400	–			4.0	7.6	11.1	80	6.4	0	–			
Pass 02	Hydrosil		1404	–			1.1	3.6	17.1	22	0	0	–			
Pass 03	Influent		1408	–			2.0	4.5	10.0	39	0	0	–			
Pass 03	Hydrosil		1412	–			~~2.0~~ 5.8	4.3	10.2	>	0	0	–			
Pass 04	Influent		1416	–			6.0	6.0	13.6	>	82.7	0	–			
Pass 04	Hydrosil		1420	–			24.7	12.0	9.6	>	0	0	–			

Name: James Medley / John Adams
Date: October 25, 2002

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex7	A+Ex6		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP05A	~~Wet~~ GMP		756	60.0	29.90	0.5	0	1.6	18.2	0	0	0	-	50		
GMP04A	GMP		0809	57.7			0	4.8	12.4	0	0	0	-			~~Daily~~
GMP02A	GMP		810	57.5			0.9	9.9	2.5	18	20.1	0				Daily for Ex6
Ex5	Well		819	58.2			0.1	0.6	19.2	2	6.7	0				
GMP24	GMP		826	57.3			2.5	12.0	4.4	50	3.3	0				
Ex7	Well		831	58.1			15.2	24.3	0	>	3.5	0				
GMP25	GMP		837	60.6			12.7	17.7	1.7	>	6.7	0				
Ex8	Well		842	59.7			25.0	21.0	0	>	0	0				
Ex9	Well		848	60.9			23.2	19.0	0.1	>	0	0				
GMP26	GMP		854	61.1			0	15.4	3.6	0	0	0				
Ex7	Influent		1020		29.90	0.5	0.9	2.0	18.6	18	3.1	0	20			Start up 1020 Sunny
Ex7	Carbon 2		1024				0.9	2.0	18.5	18	0	0				
Ex7	Hydrosil		1029				0.9	1.9	18.6	18	0	0				Sunny
GMP25	~~Wet~~ G		1044	70.1			13.5	18.3	1.3	>	0	0			0.08	
Ex8	Well		1049	65.4			23.9	20.0	0.2	>	0	0			0.09	
Ex9	Well		1055	74.8			22.5	18.6	0.6	>	0	0				
GMP26	GMP		1059	69.0			0.1	15.4	3.8	2	0	0				
GMP24	GMP		1105	68.5			2.7	11.5	4.3	54	0	0			0.68	
Ex5	Well		1109	72.8			0.3	0.5	19.0	10	3.3	0			0.12	
GMP05A	GMP		1114	70.5			0.1	1.5	18.3	2	0	0			0.09	
GMP04A	GMP		1117	68.5			0	4.6	12.5	2	0	0			0.04	
GMP25	GMP		1127	71.2	29.85	0.4	10.9	16.2	~~20.4~~ 17.2	>	0	0	30		0.08	increase flow
Ex8	Well		1130	69.0			21.9	18.7	1.7	>	0	0			0.07	
Ex9	Well		1135	72.0			20.9	17.4	1.6	>	0	0				
GMP26	GMP		1139	71.4			0	15.3	3.6	0	0	0				
GMP24	GMP		1144	71.4			2.7	10.8	4.7	54	3.0	0			0.68	
GMP03A	GMP		1148	69.0			0.6	2.2	16.2	12	0	0			-	
Ex5	Well		1154	73.5			0.2	0.5	19.2	4	6.7	0			-	
GMP05A	GMP		1158	76.4			0.1	1.4	18.6	2	0	0			0.04	
GMP04A	GMP		1203	74.8			0.1	4.7	12.2	2	0	0			0.04	
GMP23	GMP		1209	69.9			0.1	0.9	16.0	2	294	0			-	
GMP24	GMP		1214	—											0.70	
Ex8	Well		1216	—											~~0.13~~ 0.05	
GMP25	GMP		1215	—											0.13	
GMP25	GMP		1220	74.1			6.7	5.7	9.7	>	0	0	40		0.10	
Ex8	Well		1224	72.4			24.1	20.6	0.1	>	0	0			0.03	
Ex9	Well		1228	74.1			21.2	17.7	1.7	>	0	0				
GMP26	GMP		1232	73.9			0.1	15.3	3.7	2	0	0				

Name: James Medley / John Adams
Date: October 25, 2002

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	EX7 Recovery Blower #1 Loc/ flowrate (cfm)	EX6 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP24	GMP		1236	72.1	29.85	0.4	2.4	6.1	6.4	48	3.1	0	40	50	0.70	
GMP03A	GMP		1242	68.1			1.7	3.6	14.6	34	0	0			—	
EX5	Well		1246	76.0			0.2	0.5	19.3	4	6.4	0			—	
GMP05A	GMP		[illegible]	74.1			0.2	1.4	18.7	3	0	0			0.05	
GMP04A	GMP		1255	72.5			0.1	4.8	12.0	2	3.0	0				
EX6	Influent		1301	—			1.9	6.5	7.4	38	936	0				
EX6	Aft. Carbon		1304				2.0	6.6	7.4	40	0	0				
EX6	Aft. Hydrosil		1307				1.8	6.1	8.3	35	0	0			0.72	
GMP24	GMP		1309												0.12	
GMP25	GMP		1310												0.03	
EX8	Well		1311										50	50	0 increase flow to 50CFM	
GMP25	GMP		1320	73.6	29.85	0.4	10.0	10.0	4.8	>	0	0			0.04	
EX8	Well		1324	74.1			24.0	20.8	0	>	0	0			—	
EX9	Well		1329	77.1			20.4	17.5	2.0	>	0	0			—	
GMP26	GMP		1334	74.4			0.1	15.4	3.8	2	0	0			0.78	
GMP24	GMP		1339	74.2			2.9	11.3	4.6	58	0	0			—	
GMP03A	GMP		1345	75.0			0.2	0.4	20.0	4	0	0			—	
EX5	Well		1349	79.3			0.3	0.6	19.0	6	0	0			—	
GMP05A	GMP		1356	73.1			0.2	1.3	18.6	4	0	0			0.03	
GMP04A	GMP		1401	72.5			0.1	4.8	12.0	2	0				0.75	
GMP24	GMP		1410	—											0.12	
GMP25	GMP		1411	—											0.06	
EX8	Well		1412	—												

Name: James Medley/ John Adams
Date: October 28, 2002

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex7 Recovery Blower #1 Loc/ flowrate (cfm)	Ex6 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP05A	GMP		1030	69.0	30.14	+0.6	0	1.2	18.1	0	24.7	0	EX7/50	EX6/50		
GMP04A	GMP		1039	67.4	30.14	+0.6	0.1	4.1	13.5	2	0	0				
GMP02A	GMP		1047	69.8			0.5	9.7	1.7	10	39.3	0				
GMP23	GMP		1056	66.5			0.2	1.5	10.1	5	12.2	0				
EX5	Well		1104	71.0			0.2	0.5	17.4	4	8.6	0				
GMP03A	GMP		1112	69.7			0.2	0.8	18.5	4	0	0				
EX6	Influent		1118	81.1			1.0	4.7	11.0	19	52.1	0				
EX6	Carbon1		1122	–			1.0	5.0	9.9	19	0	0				
EX6	Hydrosil		1126	–			1.0	5.0	9.9	19	0	0				
GMP24	GMP		1131	67.8			1.3	7.8	5.0	25	0	0				
EX7	Influent		1138	77.9			0.2	0.5	19.5	43	0	0				
EX7	Carbon1		1142	–			0.2	0.5	19.6	3	0	0				
EX7	Hydrosil		1146	–			0.2	0.6	19.4	4	0	0				
GMP25	GMP		1192	74.8	30.0	+0.2	6.9	13.7	4.0	>	0	0				
EX8	Well		1200	69.4			18.4	20.7	0	>	0	0				
EX9	Well		1208	73.7			18.9	18.6	0.5	>	0	0				
GMP26	GMP		1215	71.0			0.1	14.8	4.3	1	0	0				
EX4	Well		1225	76.0			0.6	2.0	1.0	12	95.6	0				
EX3	Well		1234	74.1			0.7	4.7	2.1	14	78.2	0				
EX2	Well		1241	75.7			0.4	7.4	0.8	7	104.3	0				
GMP22	GMP		1247	73.0			3.0	14.2	1.1	59	29.4	0				
EX1	Well		1254	73.5			0.2	13.0	1.1	6	52.1	0				
EX10	Well		1307	76.8			0.2	6.4	10.0	4	17.3	0				
EX6	Well		1320	77.9			0.2	0	20.4	3	0	0				EX6 shutdown at 1315

Name: J. Medley, G. Mason, J. Adams
Date: 10/29/02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex7			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP05A	GMP		846	61.4	29.93	-0.5	0	1.9	14.1	0	0	0	50			
GMP04A	GMP		852	60.9			0	3.9	11.3	0	0	0				
EX-10	Extraction Well		905	63.3			0	8.2	6.6	0	0	0				
EX-06	Extraction Well		920	67.4			0.1	0.6	19.7	1	0	0				
GMP24	GMP		925	65.3			1.4	10.9	0.7	28	8.9	0				
GMP25	GMP		933	64.2			2.4	13.5	0.1	48	0	0				
EX-08	Extraction Well		938	59.3			15.5	21.2	0.1	>	0	0				
EX-09	Extraction Well		943	67.2			17.1	19.5	0.8	>	0	0				
GMP26	GMP		945	60.9			0	15.2	4.6	0	0	0				
EX7	Influent		1000				0	0.5	20.7	0	0	0				
EX7	Carbon 1		1002				0	0.5	20.8	0	0	0				
EX7	Hydrosil		1004				0	0.6	20.6	0	0	0				
EX5	Extraction Well		1020	65.0	29.90	-0.7	0.4	1.6	12.7	8	0	0				
PASS01	Hydrosil		1250		29.83	-0.7	49.5	33.3	0	>	0	0				
PASS01	Carbon 1		1252				50.2	32.9	0	>	0	0				
PASS01	Influent		1254				53	30.1	0	>	0	0				
PASS02	HYDROSIL		1302				19.4	5.8	1.4	>	0	0				
PASS02	Carbon 1		1304				24.5	13.3	1.4	>	0	0				
PASS02	Influent		1306				26.9	22.2	0.6	>	0	0				
PASS03	Hydrosil		1314				8.3	8.6	10.4	>	0	0				
PASS03	Carbon 1		1316				11.9	11.1	5.6	>	0	0				
PASS03	Influent		1318				24.5	20.2	1.5	>	0	0				
PASS04	HYDROSIL		1323				14.1	11.4	14.4	>	0	0				
PASS04	Carbon 1		1325				16.8	16.6	10.6	>	0	0				
PASS04	Influent		1327				16.7	16.8	10.8	>	0	0				

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Name: T. Medley / G. Mason / J. Adams

Date: 10/30/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex 7 Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP05A	GMP		1047	71.4	29.87	-0.8	0	2.2	13.6	0	1.0	0				
GMP04A	GMP		1052	73.4	29.87	-0.8	0	7.3	4.7	0	1.1	0				
EX10	Well		1058	73.5	29.87	-0.8	0	8.1	7.0	0	5.4	0				
EX6	Well		1112	71.2	29.87	-0.8	0.1	0.9	19.1	2	3.3	0				
GMP24	GMP		1118	70.3	29.87	-0.8	1.4	11.6	0.8	28	40.1	0				
GMP25	GMP		1123	74.1	29.87	-0.8	1.2	13.2	0.4	23	8.7	0				
EX08	Well		1128	72.8	29.87	-0.8	8.8	18.5	2.4	>	0	0				
EX09	Well		1133	77.7	29.85	-0.8	15.4	18.7	1.6	>	0	0			~~0~~	System started Summa
GMP26	GMP		1137	70.0	29.85	-0.8	0	14.9	5.2	0	0	0				9 + 1146
EX08	EnFlex1		1153		29.84	-0.8	0.4	1.5	20.6	8	1.4	0				Summa sampled
EX08	Carbon 1		1150		29.84	-0.8	0.4	1.8	20.5	8	0	0				
EX08	Hydrosil		1148		29.84	-0.8	1.0	0.1	20.5	20	0	0				
GMP-26	GMP		12:02	68.9	29.83	-0.9	0	14.8	5.6	0	0	0			0	200 FT radius EX-8
EX-9	Well		12:08	78.6	29.83	-0.9	15.3	19.0	1.7	>100	0	0			0	
GMP-25	GMP		12:13	75.9	29.83	-0.9	1.1	13.3	0.5	21	6.5	0			.02	
GMP-24	GMP		12:18	70.3	29.83	-0.9	1.4	11.7	0.7	28	49.1	0			0	
EX-6	Well		12:22	72.8	29.83	-0.9	0.1	0.7	19.9	1	1.1	0			0	
EX-10	Well		12:31	75.3	29.82	-1.0	0	7.9	8.1	0	4.4	0			0	
GMP-5A	GMP		12:41	76.4	29.82	-1.0	0	2.2	13.7	0	0	0			0	
GMP-4A	GMP		12:46	66.9	29.82	-1.0	0	7.3	4.7	0	0	0			0	
			~~12:54~~		~~29.83~~	~~-0.9~~										
GMP-26	GMP		12:54	76.0	29.83	-0.9	0	15.0	5.6	0	0	0			0	
EX-9	Well		12:59	78.1	29.83	-0.9	14.7	18.7	1.9	>100	0	0			0	
GMP-25	GMP		1:03	74.3	29.83	-0.9	1.0	13.2	0.4	20	12.2	0			0	
GMP-24	GMP		1:07	67.2	29.83	-0.9	1.4	11.8	0.7	28	49.1	0			0	
EX-6	Well		1:11	72.3	29.83	-0.9	0	0.5	20.6	0	1.9	0			0	
EX-10	Well		1:18	72.1	29.83	-0.9	0	8.3	6.8	0	4.4	0			0	
GMP-5A	GMP		1:25	72.1	29.83	-0.9	0	2.2	13.6	0	0	0			0	
GMP-4A	GMP		1:31	70.1	29.83	-0.9	0	6.4	6.2	0	2.2	0			0	
GMP-26	GMP		1:45	67.2	29.83	-0.9	0	13.9	5.5	0	1.1	0			0	
EX-9	Well		1:52	77.1	29.83	-0.9	14.5	18.9	1.9	>100	0	0			0	
GMP-25	GMP		2:02	76.2	29.83	-0.9	0.9	13.1	0.5	19	6.6	0			.02	
GMP-24	GMP		2:07	69.6	29.83	-0.9	1.5	11.8	0.7	28	5.5	0			0	
EX-6	Well		2:13	74.6	29.83	-0.9	0	0.3	21.2	0	1.1	0			0	
EX-10	Well		2:26	72.0	29.83	-0.9	0	8.6	6.5	0	8.9	0			0	
GMP-5A	GMP		2:33	64.9	29.83	-0.9	0	2.3	13.5	0	0	0			0	
GMP-4A	GMP		2:40	66.5	29.83	-0.9	0	6.8	6.2	0	2.7	0			0	

Name: James Medley, Greg Mason, John Adams
Date: 10/30/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP-26	GMP		2:49	67.1	29.83	-0.9	Ø	14.9	5.6	Ø	Ø	Ø			Ø	
EX-9	well		2:52	76.9	29.83	-0.9	13.9	19.1	2.0	7100	Ø	Ø			Ø	
GMP-25	GMP		2:55	71.2	29.83	-0.9	.5	8.0	8.6	9	4.4	Ø			Ø	
GMP-24	GMP		3:00	69.4	29.83	-0.9	1.4	11.5	1.1	27	23.4	Ø			Ø	
EX-6	well		3:08	71.2	29.83	-0.9	Ø	0.1	21.9	Ø	1.0	Ø			Ø	
EX-10	well		3:35	64.7	29.82	-0.7	Ø	7.9	8.4	Ø	11.1	Ø			Ø	
GMP-5A	GMP		3:42	61.7	29.82	-0.7	Ø	2.3	13.3	Ø	Ø	Ø			Ø	
GMP-4A	GMP		3:45	60	29.82	-0.7	Ø	6.5	6.8	Ø	2.2	Ø			Ø	
EX-5	well		3:25	66.9	29.82	-0.7	0.4	2.1	9.5	7	12.6	Ø			—	
GMP-03A	GMP		3:19	65.2	29.82	-0.7	Ø.1	7.6	4.8	[illegible]	7.8	Ø			—	
EX-07	hydrosil		3:10	—	29.83	-0.9	0.1	2.8	16.4	2	Ø	Ø			—	
EX-07	Carbon 1		3:12	—	29.83	-0.9	0.1	3.1	16.2	2	Ø	Ø			—	
EX-07	[illegible] INF		3:13	—	29.83	-0.9	0.1	2.9	17.1	2	[illegible]6.8	Ø			—	

Name: James Medley/ Greg Mason/ John Adams

Date: 31-Oct-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex7	Ex8		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP05A	GMP		0956	62.8	29.98	-0.6	0	2.4	15.1	0	0	0	50	20		
GMP04A	GMP		1002	62.5	29.98	-0.6	0	8.1	5.3	0	1.9	0				Ex7 shut down at 1030 to be moved to Ex9
EX10	Well		0829	60.9	30.05	-0.5	0	2.7	17.4	0	5.8	0				
GMP03A	GMP		0838	62.9	30.05	-0.5	0.1	8.1	5.9	1	0	0				
EX6	Well		0849	61.1	29.99	-0.5	0	0.4	19.9	0	1.9	0				
GMP24	GMP		0854	62.4	29.99	-0.5	1.6	12.4	0	30	7.6	0				
EX07	Hydrosil		0857				0	3.1	15.8	0	0	0				
EX07	Carbon		0859				0	3.4	15.1	0	0	0				
EX07	Influent		0901				0	2.9	16.0	0	5.7	0				
GMP25	GMP		0903	66.0	30.0	-0.5	0.5	13.3	0.1	9	9.6	0				
EX08	HYDRO		0907		30.0	-0.5	2.9	12.1	11.1	59	0	0				
EX08	Influent		0910		30.0	-0.5	2.8	7.4	14.1	55	0	0				
EX08	Carbon		0924		30.0	-0.5	2.4	8.9	13.8	48	0	0				
EX09	Well		0914	68.7	30.0	-0.5	12.8	19.9	0.6	>	0	0				
GMP26	GMP		0919	61.3	30.0	-0.5	0	14.9	5.2	0	0	0				
EX5	Well		0944	67.7	29.99	-0.5	0.4	2.1	8.3	8	19.1	0				

Name: James Medley, Greg Mason, John Adams

Date: 1-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		0720	54.3	29.99	-0.5	0	5.7	8.9	0	1.2	0		20		
GMP05A	GMP		0725	51.6			0.1	3.1	11.6	1	0	0				
GMP04A	GMP		0729	51.8			0	10.4	0.9	0	4.2	0				
EX10	GMP		0734	51.0			0	6.2	10.9	0	33.9	0				
EX7	Well		0741	52.0			0	2.3	17.8	0	10.6	0				
GMP25	GMP		0746	54.1			0.6	13.9	0	12	23.3	0				
EX8	Hydrosil		0750	–			0.2	1.1	20.3	4	0	0				
EX8	After Carbon 1		0752	–			0.2	1.0	20.4	4	0	0				
EX8	Influent		0754	–			0.2	1.0	20.4	4	0	0				
GMP26	GMP		0759	54.6			0.0	1.8	20.54	0	0	0				Before Startup
EX9	Well		0756	55.1			12.0	20.2	0.8	3	0	0				Startup at 0810 summa
EX9	Hydrosil		0812	–	30.03	-0.5	0	2.3	20.3	0	0	0	20CFM			
EX9	After Carbon 1		0814	–			0.2	1.4	20.7	4	0	0				Summa @ 0820
EX9	Influent		0816	–			0.1	.7	20.7	3	0	0				
GMP26	GMP		0821	57.7	30.03	-0.5	0.0	12.1	9.0	0	0	0			0	
GMP25	GMP		0825	58.8			0.6	13.8	0	11	16.9	0			–	
EX7	Well		0828	57.2			0	2.5	17.3	0	4.2	0			0	
EX10	Well		0845	61.7	30.01	-0.5	0	6.3	10.9	0	8.4	0			0	
GMP06A	GMP		0852	67.8			0	5.5	9.5	0	0	0			0.06	
GMP05A	GMP		0857	67.2			0	3.0	12.1	0	0	0			0.05	
GMP04A	GMP		0901	66.9			0	10.4	1.1	0	2.1	0			0	
GMP24	GMP		0831	57.2	30.01	-0.5	1.5	12.7	0.1	31	16.9	0			–	~~Weekly~~ Jim Daily
EX06	Well		0836	56.8			0.2	1.4	16.6	3	10.6	0			–	Daily Ex8
GMP26	GMP		09:14	62.4			0	14.7	5.4	0	0	0			0	
GMP25	GMP		09:20	65.3			0.5	13.6	0	10	14.7	0			.01	
EX07	Well		09:24	60.9			0	3.0	16.1	0	4.2	0			.01	
EX10	Well		0941	69.6	29.99	-0.6	0	6.2	10.9	0	0	0			0	
GMP06A	GMP		0951	69.4		-0.5	0	5.4	10.2	0	0	0			0	
GMP05A	GMP		0956	65.8			0	3.0	12.3	0	0	0			0.04	
GMP04A	GMP		1000	68.1			0	10.4	1.0	0	2.1	0			0.04	
GMP26	GMP		1010	67.1			0	14.6	5.8	0	0	0			0	
GMP25	GMP		1015	70.3			0.5	13.7	0	0	12.7	0			0.02	
EX07	Well		1019	72.1			0.1	4.0	13.9	1	6.8	0			0.01	
EX10	Well		1030	77.9			0	6.3	10.8	0	6.3	0			0	

Use VOC Ex 10 8.4

Name: James Medley, Greg Mason, John Adams

Date: 1-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex9	Ex8		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		1037	71.2	29.99	-0.5	Ø	5.4	10.7	Ø	Ø	Ø	20	20	Ø	
GMP05A			1047	77.1			Ø	2.9	12.3	Ø	Ø	Ø			Ø	
GMP04A			1054	71.2			Ø	10.7	1.Ø	Ø	20	Ø			.02	
GMP26			1101	66.9			Ø	14.5	6.0	Ø	Ø	Ø			.02	
GMP25			1106	70.7			Ø.5	13.5	0.2	10	12.7	Ø			Ø	
Ex07	Well		1111	72.Ø			0.1	4.8	11.8	2	6.3	Ø			Ø	
Ex10	Well		1118	74.0			Ø	0.1	20.9	Ø	6.3	Ø			Ø	
GMP06A	GMP		11:26	73.0	29.95	-0.8	Ø	5.3	11.0	Ø	Ø	Ø			Ø	
GMP05A	GMP		11:32	71.6			Ø	.1	21.8	Ø	Ø	Ø			.02	
GMP04A	GMP		11:37	67.8			Ø	10.8	1.1	Ø	2.1	Ø			Ø	~~Before Startup~~

Daily + weekly

Name: Greg Mason + John Adams

Date: 11/4/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP-01A	GMP	—	08:13	60.8	29.94	-0.00	0.0	3.4	13.8	0	0	0	—	—	—	Daily + weekly
GMP-05A	GMP	—	08:18	61.7	29.94	-0.00	0.0	4.0	9.7	0	0	0	—	—	—	Daily + weekly
GMP-04A	GMP	—	08:24	65.4	29.94	-0.00	0.0	10.0	0	0	3.4	0	—	—	—	↓ ↓
EX-10	Well	—	08:33	65.3	29.94	-0.00	0.0	6.7	9.6	0	12.7	0	—	—	—	
GMP-26	GMP	—	09:08	62.6	29.97	-0.00	0.0	13.1	7.8	0	0	0	—	—	—	
GMP-25	GMP	—	09:15	63.5	29.97	-0.00	0.9	13.5	0.2	17	14.8	0	—	—	—	
EX-7	Well	—	09:20	61.8	29.97	0.00	0.1	9.2	3.6	2	27.5	0	—	—	—	
GMP-24	GMP	—	09:26	60.5	29.97	0.00	1.7	11.7	0.1	30	40.3	0	—	—	—	
EX-6	Well	—	09:32	60.0	29.97	0.00	0.1	1.0	17.3	2	8.4	0	—	—	—	weekly
GMP-03	GMP	—	09:38	62.6	29.97	0.10	0.2	11.0	0.9	2	10.6	0	—	—	—	
EX-5	Well	—	09:43	64.0	29.97	0.1	0.2	10.8	3.8	3	36.0	0	—	—	—	
GMP-23	GMP	—	09:50	57.9	29.97	0.1	0.2	10.8	6.2	3	214.0	0	—	—	—	
EX-4	Well	—	09:55	62.2	29.97	0.1	0.4	3.4	0.5	7	67.8	0	—	—	—	
EX-3	Well	—	10:05	63.6	29.97	0.1	0.3	5.8	1.2	5	55.1	0	—	—	—	
GMP-22	GMP	—	10:13	64.9	29.97	0.1	0.9	13.7	0.7	15	23.3	0	—	—	—	
EX-2	Well	—	10:18	63.1	29.97	0.1	0.0	7.5	2.1	0	120.9	0	—	—	—	
EX-1	Well	—	10:25	65.8	29.97	0.1	0.7	13.6	0.5	13	14.8	0	—	—	—	
																Can't fill Tedlars
EX-08	Hydrosil	—	08:56	—	29.97	-0.00	0.4	7.8	11.9	7	0	0				0 flow with
EX-08	Carbon 1	—	08:57	—	29.97	-0.00	0.4	7.9	11.8	7	0	0				fresh air valve
EX-08	Inflluent	—	08:58	—	29.97	-0.00	0.4	8.0	11.7	7	6.3	0				closed
																used meters direct
EX-09	Hydrosil	—	09:00	—	29.97	-0.00	0.2	5.0	14.4	3	0	0				SAME as above
EX-09	Carbon 1	—	09:02	—	29.97	-0.00	0.2	5.1	14.3	3	0	0				↓ ↓ ↓
EX-09	Inflluent	—	09:04	—	29.97	-0.00	0.2	4.7	14.4	3	2.1	0				

Name: MARGARET LI, ~~JOSHUA ADAMS~~ & DOUG STERLING
Date: 11/5/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
			9:23	60.9	30.09	0.1	0.0	6.5	10.3	0.0	37.3	1.2				DAILY
Ex-10	WELL		9:40	60.6	30.09	0.1	0.0	3.1	15.2	0.0	3.0	1.2				
GMP06A	GMP		9:46	60.5	30.09	0.1	0.0	4.1	10.2	0.0	3.0	1.2				
GMP05A	GMP		9:53	60.4	30.09	0.1	0.0	11.1	1.7	0.0	3.0	1.2				
GMP04A	GMP		10:05	59.7	30.09	0.1	0.4	12.2	0.9	8.0	37.7	1.2				
GMP03A	GMP		10:10	61.7	30.09	0.1	0.6	2.9	8.9	12.0	73.6	1.2				
EX-6	WELL		10:14	61.7	30.09	0.1	1.9	12.4	0.5	37	63.0	1.2				
GMP-24	GMP		10:20	61.7	30.09	0.1	0.3	10.7	2.4	5	57.0	1.2				
EX-7	WELL		10:25	65.6	30.09	0.1	0.9	13.7	0.6	17	63.0	1.2				
GMP-25	GMP		10:30	62.4	30.09	0.1	0.0	9.9	11.4	0	3.0	1.2				
GMP-26			10:37	67.8			0.1	4.2	15.4	3	9.0	1.2	0-10/51	0-10/51		OVM fluctuates 1.2-38
Ex-9	Influent		10:40				0.1	4.6	15.3	3	~~5.8~~ 5	1.2				OVM fluctuates 1.2-38
	Carbon		10:43				0.1	4.5	15.4	3	0	1.2				
	Hydrosil		10:50	72.8			0.4	8.1	11.7	7	3.0	1.2				
Ex-8	Influent		10:52				0.4	8.6	11.8	8	0	1.2				
	Carbon		10:57				0.4	9.3	11.6	8	0	1.2				
	Hydrosil															~~WEEKLY GMP~~

WEEKLY GMP

Name: MARGARET LI / JOHN ADAMS

Date: 11/5/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
IRØIMW36GA	GW well		1230	74.1	30.04	0.1	10.2	7.9	6.7	>	~~12~~ 0	1.2				WEEKLY GMP
IRØIMW18A	↑		1242	73.9	30.04	0.1	64.5	32.4	0.7	>	0	1.2				OVM fluctuated between 1.2 and 3.0 ppm
IRØIMW-5			1250	72.3	30.04	0.1	70.6	29.7	0.7	>	0	1.2				
IRØIMW16A	↓		1300	70.5	30.04	0.1	55.2	30.3	0.6	>	0	1.2				
GMP20	GMP		1310	72.5	30.04	0.1	0.1	3.2	17.7	2	0	1.2				
GMP21			1313	74.1	30.04	0.1	0.0	0.7	20.9	0	0	1.2				
GMP10			1318	72.5	30.04	0.1	0.0	1.0	19.7	0	0	1.2				
GMP12			1325	73.2	30.04	0.1	1.6	12.1	1.1	31	106.9	1.2				
GMPØ1A			1343	73.8	30.02	0.8	1.4	15.0	1.1	28	45.0	1.2				
GMPØ2A			1345	74.8	30.02	0.8	1.9	10.1	1.1	38	42.5	1.2				
GMPØ7A			1406	74.8	30.02	0.8	0.0	8.0	6.0	0	1249	1.7				
~~GMPØ8A~~			~~14~~		~~30.02~~	~~0.8~~	~~0.0~~	~~4.3~~	~~15.8~~	~~0~~						
GMPØ9			1416	68.4	30.02	0.8	0.0	4.3	15.8	0	0	1.2				
GMPØ8A	↓		1420	72.0	30.02	0.8	8.8	5.3	1.6	>	11.5	1.2				
PASSØ1	HYDROSIL		1330		30.04	0.1	41.3	21.1	0.9	>	0	1.2				
PASSØ1	INFLUENT		1330		30.04	0.1	46.7	27.7	0.9	>	16.7	1.2				
PASSØ2	CARBON		1335		30.02	0.8	42.3	31.4	0.9	>	0	1.2				
PASSØ2	Influent		1349		30.02	0.8	18.9	18.4	4.4	>	11.5	1.2				
PASSØ2	CARBON		1352		30.02	0.8	3.6	10.2	8.4	70	0.0	1.2				
PASSØ2	HYDROSIL		1358		30.02	0.8	38	12.8	16.3	76	0.0	1.2				
~~PASSØ3~~	~~Influent~~				~~30.04~~	~~0.3~~	~~4.2~~	~~10.9~~	~~7.4~~	~~84~~	~~21.9~~	~~1.2~~				
PASSØ3	~~CARBON~~ Influent		1400		30.04	0.3	4.4	8.3	10.1	76	21.9	1.2				
PASSØ3	Hydrosil		1402		30.04	0.3	3.8	14.1	10.2	78	0.0	1.2				
PASSØ3	CARBON		1404		30.04	0.3	4.2	10.9	7.4	84	0.0	1.2				
PASSØ4	Influent		1410		30.04	0.3	14.3	9.3	14.3	>	57.9	1.2				
PASSØ4	CARBON		1412		30.04	0.3	14.7	14.1	13.4	>	0.0	1.2				
PASSØ4	Hydrosil		1415		30.04	0.3	8.0	18.4	17.5	>	0.0	1.2				

Name: Margaret Li
Date: 6-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Daily Active Gas Extraction System Monitoring																
EX10	Well		10:18	62.5	30.02	0.0	0.0	6.7	9.8	–	18.9	0.0	10	10		
GMP06A	GMP		10:20	64.2			0.0	3.2	14.9	–	0.0	0.0	10	10		
GMP05A	GMP		10:38	69.7			0.0	4.5	9.6	–	0.0	0.0	10	10		
GMP04A	GMP		10:46	68.9			0.0	12.4	0.5	–	18.9	0.0	10	10		
EX06	Well		11:05	65.3			0.7	3.5	6.1	14	97.2	0.0	10	10		
GMP24	GMP		11:10	68.2			2.1	12.7	0	41	91.8	0.0	10	10		vent opened
EX07	Well		11:16	66.5			0.1	4.2	13.9	2	16.2	0.0	10	10		
GMP25	GMP		11:25	68.0			1.0	13.8	0.2	20	89.7	0.0	10	10		vent opened
GMP26	GMP		11:30	69.7			0.0	11.0	10.0	–	0.0	0.0	10	10		
EX09	Influent		11:36	69.8			0.1	4.1	14.3	2	8.1	0.0	10	10		
EX09	Carbon 1		~~11:37~~ 11:38	70.0			0.1	4.2	15.1	2	0.0	0.0	10	10		
EX09	Hydrosil		11:~~38~~:42	70.0			0.2	4.3	15.1	3	0.0	0.0	10	10		
EX08	Influent		11:45	70.5			0.5	8.6	11.1	9	2.7	0.0	10	10		
EX08	Carbon 1		11:47	70.9			0.4	8.9	10.9	7	0.0	0.0	10	10		
EX08	Hydrosil		11:49	70.9			0.4	9.2	10.9	7	0.0	0.0	10	10		
Weekly GMPs Monitoring (continues)																
GMP13	GMP		12:48	69.6	29.98	0.4	0.1	0.8	20.4	1	0.0	0.0				
GMP14	GMP		12:53	69.8			0.0	0.1	21.5	0	0.0	0.0				
GMP15	GMP		12:57	68.0			0.0	2.9	18.1	0	0.0	0.0				vent open
GMP16	GMP		13:03	67.6			0.0	0.2	21.7	0	0.0	0.0				
GMP17	GMP		13:08	67.4			0.0	0.4	21.4	0	0.0	0.0				
GMP18	GMP		13:12	67.8			0.0	0.3	21.1	0	0.0	0.0				
GMP19	GMP		13:15	66.7			0.0	0.1	21.6	0	0.0	0.0				
GMP23	GMP		12:30	69.4			0.5	3.2	1.2	10	23.2	0.0				vent open
GMP22	GMP		12:20	70.2			1.0	13.7	1.1	20	48.6	0.0				
EX01	Well		12:05	71.6	29.98	0.4	0.0	9.6	7.1	0	24.3	0.0				vent opened
EX02	Well		12:10	69.4	29.98	0.4	0.2	7.3	3.2	3	56.7	0.0				vent opened
~~EX03~~	~~Well~~															
~~EX04~~	~~WELL~~															
EX05	WELL		12:40	71.0			0.8	2.8	1.8	16	35.1	0.0				
Weekly Ambient Air Monitoring																
Light Pole			12:00								0	0				
Fence			11:55								0	0				
Basketball			11:52								0	0				
Basement			11:50													

blank window

Name: Doug Sterling
Date: 7-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Daily Active Gas Extraction System Monitoring																
EX10	Well		1059	68.8	29.77	Ø.1	Ø	6.5	10.Ø	Ø	Ø	24.6	10	10		
GMP06A	GMP		1107	68.Ø	29.77	Ø.1	Ø.1	3.3	14.2	Ø	Ø	Ø	10	10		
GMP05A	GMP		1113	68.7	29.77	Ø.1	Ø	3.1	16.7	Ø	Ø	Ø	10	10		
GMP04A	GMP		1116	68.7	29.77	Ø.1	1.6	13.8	1.Ø	31	Ø	27.1	10	10		
EX06	Well		1131	67.8	29.77	Ø.1	Ø.4	2.3	11.7	8	Ø	61.8	10	10		
GMP24	GMP		1137	65.8	29.77	Ø.1	1.Ø	6.3	9.1	21	Ø	49.1	10	10		
EX07	Well		1145	64.9	29.77	Ø.1	Ø.9	13.6	Ø.6	17	Ø	81.4	10	10		
GMP25	GMP		1149	65.4	29.77	Ø.1	Ø.2	8.3	6.1	3	Ø	41.4	10	10		
GMP26	GMP		1208	64.9	29.77	Ø.1	Ø	11.3	11.Ø	Ø			10	10		
EX09	Influent		1201	66.4	29.77	Ø.1	Ø.2	4.8	14.Ø	4	Ø	4.8	10	10		
EX09	Carbon 1		1202	61.8	29.77	Ø.1	Ø.3	4.6	14.3	3	Ø	Ø	10	10		
EX09	Hydrosil		1203	63.3	29.77	Ø.1	Ø.2	4.3	14.Ø	3	Ø	Ø	10	10		
EX08	Influent		1153	65.8	29.77	Ø.1	Ø.1	3.1	17.9	1	Ø	2.4	10	10		
EX08	Carbon 1		1154	62.6	29.77	Ø.1	Ø	4.5	18.Ø	Ø	Ø	Ø	10	10		
EX08	Hydrosil		1155	64.2	29.77	Ø.1	Ø	6.8	17.6	1	Ø	Ø	10	10		

results

switch EX07 A w/ GMP25 for the correct info

Name: Doug Sterling

Date: 8-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Daily Active Gas Extraction System Monitoring																
EX10	Well		1152	65.8	29.63	Ø	Ø	5.1	10.8	Ø	Ø	11.6	10	10		
GMP06A	GMP		1204	64.Ø	29.63	Ø	Ø	0.2	18.4	Ø	Ø	Ø	10	10		
GMP05A	GMP		1208	64.1	29.63	Ø	Ø	0.8	17.1	Ø	Ø	Ø	10	10		
GMP04A	GMP		1212	64.5	29.63	Ø	Ø	3.1	8.6	Ø	Ø	Ø	10	10		
EX06	Well		1225	69.2	29.63	Ø	0.2	1.Ø	15.2	1	Ø	Ø	10	10		
GMP24	GMP		1228	66.5	29.63	Ø	1.9	12.4	0.8	42	Ø	11.6	10	10		
EX07	Well		1232	68.5	29.63	Ø	Ø.1	2.1	15.8	2	Ø	2.9	10	10		
GMP25	GMP		1237	68.3	29.63	Ø	Ø.5	13.3	Ø.8	11	Ø	14.5	10	10		
GMP26	GMP		1241	65.8	29.63	Ø	Ø	10.2	7.8	Ø	Ø	Ø	10	10		
EX08	Influent		1254		29.63	Ø	Ø.5	7.7	11.8	10	NA	NA	10	10		
EX08	Carbon 1		1255	66.5	29.63	Ø	Ø.4	6.8	13.9	10	NA	NA	10	10		
EX08	Hydrosil		1256	69.4	29.63	Ø	0.5	5.5	13.7	9	NA	NA	10	10		
EX09	Influent		1245	71.6	29.63	Ø	Ø	2.5	16.9	1	Ø	Ø	10	10		
EX09	Carbon 1		1246	68.5	29.63	Ø	Ø	3.5	18.4	2	NA	NA	10	10		
EX09	Hydrosil		1247	68.1	29.63	Ø	Ø.1	4.7	17.4	1	NA	NA	10	10		

Note: At 1246 OVM lamp stopped, unable to restart

Name: James Medley, John Adams
Date: 11/11/02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex 9	Ex8		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	~~0835~~ JHM		0835	68.5	30.21	0	0	2.0	15.7	Ø	Ø	Ø	≅10	≅6		Daily
GMP05A	GMP		0842	67.1			0	1.7	8.8	Ø	Ø	Ø				
GMP04A	GMP		0850	70.0			0	9.7	0.3	Ø	2.0	Ø				
EX-10	Well		0901	64.9			0	1.0	19.5	Ø	2.0	Ø				Daily + weekly
GMP26	GMP		0922	64.8			0	9.9	6.2	Ø	1.9	Ø				Daily + weekly
GMP25	GMP		0928	63.5			0	3.9	12.0	Ø	14.5	Ø		≅10		Daily + weekly
EX-7	Well		0934	63.1			0.2	9.7	2.2	4	22.7	Ø				Daily + weekly
GMP24	GMP		0943	64.9			2.1	12.7	0.1	42	39.5	Ø				
EX-6	Well		0950	66.9			0.7	3.1	8.1	14	33.3	Ø				
GMP03	GMP		0957	63.5			Ø	8.9	6.2	Ø	5.9	1.9				
EX-5	Well		1003	63.9			1.1	3.5	0.5	20	63.0	2.1				
GMP23	GMP		1010	62.6			0.8	9.1	Ø	15	96.5	2.1				
EX4	Well		1017	64.6	30.19	+0.1	0.8	4.5	0.7	15	61.1	1.9				
EX-3	Well		1023	69.3			0.4	6.7	1.2	8	74.8	Ø.8				
GMP22	GMP		1030	67.9			0.7	12.7	0.2	13	25.6	Ø.8				
EX-2	Well		1038	65.1			0.2	7.8	0.4	3	90.6	Ø				
EX-1	Well		1045	64.3			Ø.3	12.6	0.5	5	43.3	Ø				
EX08	Hydrosil		1054	-			0.5	9.8	8.2	10	Ø	Ø				Daily + weekly
EX08	Carbon 1		1057	-			0.5	11.0	9.0	9	Ø	Ø				
EX08	Influent		1101	-			0.5	9.8	9.0	9	4.3	Ø				
EX09	Hydrosil		1106	-			0.1	4.2	14.8	1	0	0				
EX09	Carbon 1		1109	-			0.1	4.1	14.8	1	Ø	Ø				
~~EX09~~	~~Influent~~		~~1112~~	~~-~~			~~0.1~~	~~4.2~~	~~14.8~~	~~1~~	~~Ø~~	~~Ø~~				JHM
EX09	Influent		1112	-	30.19	+0.1	0.1	3.5	15.1	2	2.3	Ø				

Name: Greg Mason, John Adams

Date: November 12, 2002

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		11:38	77.2	30.14	-0	0	2.2	14.6	0	0.0	0.0				
GMP05A	GMP		11:52	77.9	30.13	0	0	2.1	6.9	0	0.0	0.0				
GMP04A	GMP		12:02	66.8	30.13	0	0.1	9.9	0.1	1	5.3	0.0				
EX10	GMP		12:45	66.2	30.12	0.1	0	2.2	17.0	0	0.0	0.0				
GMP26	GMP		1:14	74.1	30.12	0.1	0	9.7	6.8	0	0.0	0.0				
GMP25			1:16	78.6	30.12	0.1	0.4	12.2	1.0	8	30.5	0.0				* VOCs
EX7			1:22	78.6	30.12	0.1	0.1	10.9	1.4	2	18.7	0.0				"
GMP24			1:25	77.9	30.12	0.1	2.0	12.7	0.8	40	30.5	0.0				"
EX6			1:29	76.3	30.12	0.1	.5	2.8	9.6	10	23.3	0.0				"
EX8	Hydrosil		1:34	—	30.11	2.2	0	0.9	20.6	1	0.0	0.0				* 2.2 Rel psi ?
EX8	Carbon 1		1:36	—	30.11	2.2	0.5	10.1	11.0	10	0.0	0.0				used NO Trigger
EX8	Influent		1:39	—	30.11	2.2	0.4	8.3	11.2	8	1.7	0.0				" " "
EX9	Hydrosil		1:43	—	30.11	2.2	0.1	4.0	14.6	2	0.0	0.0				
EX9	Carbon 1		1:46	—	30.11	2.2	0.1	3.9	14.6	2	1.7	0.0				
EX9	Influent		1:50	—	30.11	2.2	0.1	3.6	14.6	2	1.7	0.0				After shutdown did not shut off
EX8	Well															
					30.13	0	35.1									
Pass01	Hydrosil		12:21	—	[illegible]	[illegible]	0.4	26.2	0.4	> 100	0.0	0.0				CO_2: 26.2 / O_2 0.4
Pass01	Carbon 1		12:22	—	30.13	0	43.8	27.0	0.3	> 100	0.0	0.0				meth-36.9/16-39.1/02-0.9
Pass01	Influent		12:23	—	30.13	0	43.8	27.0	0.3	> 100	0.0	0.0				
Pass02	Hydrosil		12:05	—	30.13	0	26.9	16.1	0.9	> 100	0.0	0.0				MOISTURE
Pass02	Carbon 1		12:06	—	30.13	0	25.0	18.6	0.3	> 100	0.0	0.0				LOSTED
Pass02	Influent		12:07	—	30.13	0	27.7	22.3	0.2	> 100	0.0	0.0				IN AIR STREAM
Pass03	Hydrosil		11:55	—	30.14	-0	2.9	8.4	2.8	57	0.0	0.0				MAKE ELIMINATIONS
Pass03	Carbon 1		11:56	—	30.14	-0	12.7	12.7	1.2	>100	0.0	0.0				
Pass03	Influent		11:57	—	30.14	-0	14.7	17.9	0.2	>100	0.0	0.0				
Pass04	Hydrosil		12:29	—	30.12	0.1	4.5	4.8	18.7	89	5.3	0.0				
Pass04	Carbon 1		12:30	—	30.12	0.1	13.3	13.4	13.2	> 100	1.7	0.0				
Pass04	Influent		12:31	—	30.12	0.1	13.7	10.3	13.0	> 100	12.5	0.0				
GMP13			1:52	75.6	30.12	2.2	0	0.7	20.5	0	1.7	0.0				
GMP14			1:55	74.3	30.12	2.2	0	0.1	21.7	0	0.0	0.0				
GMP15			1:59	74.8	30.12	2.2	0	2.6	18.0	0	0.0	0.0				CO_2 O_2
GMP16			2:04	73.4	30.12	2.2	0	0.1	18.8	0	0.0	0.0				0.1 21.8
GMP17			2:08	77.0	30.12	2.2	0	0.3	20.9	0	0.0	0.0				
GMP18			2:14	77.9	30.12	2.2	0	0.3	20.0	0	0.0	0.0				
GMP19			2:25	77.1	30.12	2.2	0	0.0	21.7	0	0.0	0.0				

NOV 12 2002 3:53PM FORESITE 9256733089 P.2

Name: J. Medley / G. Mason
Date: 11/13/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A			08:40	64.0	30.17	0	0	2.1	16.4	0	0	0			0	
GMP05A			08:46	65.7	30.17	0	0	2.2	6.3	0	0	0			0	
GMP04A			08:53	64.8	30.17	0	0.1	10.6	0.2	1	14.9	0			0	Summa KIM
Ex10			09:05	69.1	30.17	0	0	3.1	14.1	0	6.9	0			0	dup summa James
GMP26			09:23	63.3	30.16	0	0	9.9	6.4	0	0	0			0	
GMP25			09:29	64.6	30.16	0	0.6	12.9	0.5	12	0	0			0	Summa for kim taken by JHm
Ex07			09:33	66.5	30.16	0	0	2.8	16.8	0	0	0			0	
GMP24			09:37	65.1	30.16	0	2.1	13.0	0.3	42	0	0			0	Summa James
Ex06			09:42	68.5	30.17	0	0.5	2.3	12.1	9	19.2	0			0	Summa 19.2 ppm GSM
Ex05			09:52	70.5	30.17	0	1.0	3.7	0.4	20	70.3	0			0	Summa 70.3 GSM
~~GMP24~~																JHm
GMP23			10:04	66.2	30.17	0	0.9	4.5	0.5	17	134.7	0			0	Summa 134.7 JHm/GSM
Ex04			10:17	66.6	30.17	0	0.9	4.8	0.4	18	87.4	0			0	Summa 87.4 JHm/GSM
Ex03			10:27	70.1	30.17	0	0.4	6.7	0.8	8	95.8	0			0	Summa 95.8 JHm/GSM
GMP22			10:39	72.4	30.17	0	0.7	12.3	0.7	14	87.9	0			0	Summa 87.9 JHm/GSM
Ex02			10:51	69.5	30.16	+0.2	0	2.9	11.9	0	31.9	0			0	Summa 31.9 JHm/GSM
Ex01			10:57	67.3	30.14	+0.2	0.4	12.6	1.0	8	49.0	0			0	Summa 49.0 JHm/GSM
Ex08	hydrosil	11:18	11:18	—	30.14	0.2	0.4	7.9	11.8	7	0	0			—	
Ex08	carbon 1		11:20	—	30.14	0.2	0.3	8.1	11.8	6	0	0			—	
Ex08	INFluent		11:22	—	30.14	0.2	0.4	8.6	10.9	8	6.3	0			—	
Ex09	hydrosil		11:08	—	30.14	0.2	0.1	4.0	14.4	1	0	0			—	
Ex09	carbon 1		11:11	—	30.14	0.2	0.1	4.0	14.5	1	0	0			—	
Ex09	INFluent		11:13		30.14	0.2	0.1	3.5	14.8	2	6.3	0			—	

Name: John Adams / Greg Mason
Date: 11/14/02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes: Shut Down EX-8
PASS-4	Passive sister		~~12:25~~													
PASS-4	hydrosil		12:25								0	0				Redone from This week
PASS-4	carbon 1		12:26								0	0				
PASS-4	Influent		12:27								0	0				
GMP-6A	GMP		12:30	77.9	30.13	-0.0	0	2.0	6.8	0	0	0			.01	
GMP-5A	GMP		12:37	76.1	30.13	-0.0	0	2.5	5.6	0	0	0			0	
GMP-4A	GMP		12:40	78.1	30.13	-0.0	0.1	11.0	0.1	3	6.8	0			0	
EX-10	Well		12:50	75.6	30.13	-0.0	0	5.1	8.5	0	4.0	0			0	
GMP-26	GMP		1:04	73.8	30.13	-0.0	0	10.0	6.3	0	0	0			.01	
GMP-25	GMP		1:08	74.8	30.13	-0.0	0.7	13.1	0.5	13	9.5	0			0	
GMP-24	GMP		1:17	73.6	30.13	-0.0	2.1	12.8	0.4	41	12.2	0			0	
EX-6	Well		1:20	86.4	30.13	-0.0	0.9	4.0	5.4	17	9.5	0			0	
EX-7	Well		1:26	75.4	30.13	-0.0	0.1	7.8	7.2	2	6.8	0			.04	
EX-8	hydrosil		1:32	—	30.13	-0.0	0.4	12.5	10.3	8	0	0			—	
EX-8	Carbon 1		1:34	—	30.13	-0.0	0.4	11.1	10.1	8	0	0			—	
EX-8	Influent		1:36	—	30.13	-0.0	0.4	8.6	10.4	7	0	0			—	
EX-8	Well		1:50	84.4	30.13	-0.0	0	0.2	20.8	0	0	0			—	After Shutdown
EX-9	hydrosil		1:39	—	30.13	-0.0	0.2	4.8	13.0	3	0	0			—	
EX-9	Carbon 1		1:42	—	30.13	-0.0	0.1	4.5	13.2	1	0	0			—	
EX-9	Influent		1:44	—	30.13	-0.0	0.1	4.1	13.3	2	1.3	0			—	VOCs double checked

Name: James Medley, John Adams
Date: 15-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex9 Recovery Blower #1 Loc/ flowrate (cfm)	Ex10 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		0850	66.4	30.13	0.1	0	1.9	16.8	0	0	0	10	–	0	
GMP05A	GMP		0900	69.4			0	2.6	6.5	0	0	0		–	0	
GMP04A	GMP		0908	69.4			0.2	10.9	0.6	3	15.5	0		–	.02	Daily Ex9 JHM
~~GMP26~~	~~GMP~~		~~0915~~	~~65.7~~			0	6.1	7.1	0	5.1	0		–		
GMP25	GMP		0925	64.8			0.2	5.1	10.8	4	123	0		–	0	
EX07	Well		~~0933~~ 1046	70.7			0.1	9.6	5.1	2	20.3	0		–	0	Daily Ex9
EX08	Well		0933	66.8			0	2.4	18.4	0	1.1	0		–	.02	
EX09	Hydrosil		0945	–			0.1	4.4	13.0	2	0	0		–	–	
EX09	Carbon 1		0947	–			0.1	4.8	13.0	1	0	0		–	–	
EX09	Influent		0949	–			0.1	4.2	13.1	2	1.1	0		–	–	
EX10	Well		0915	65.7	30.13	0.1	0	6.1	7.1	0	5.1	0		–	0	
GMP26	GMP		0948	63.5	30.13	0.1	0	10.1	6.9	0	0	0		–	0.04	~~Start up~~ JHM
EX10	Hydrosil		1019	–	30.11	0.1	0.1	8.2	9.1	1	0	0	≅10		0	Start up 10/15 Summa
EX10	Carbon 2		1022	–			0	5.5	8.9	0	0	0			–	
EX10	Influent		1024				0	4.6	8.9	0	3.3	0			–	Summa Dup
GMP26	GMP		1030	65.1			0	9.1	8.6	0	0	0			0.10	
EX8	Well		1036	66.0			0	1.8	19.2	0	1.9	0			0	
GMP25	GMP		1041	70.9			0.4	9.0	5.3	7	18.1	0			0	
GMP06A			1056	72.7			0	1.6	18.3	0	0	0			0.02	
GMP05A			1103	75.1			0	2.5	6.0	0	0	0			0	Maximum flow at 7 lock in
GMP26			1116	65.1			0	8.6	8.6	0	0.3	0			0.13	
EX8	Well		1122	73.8			0.1	2.0	19.0	1	1.2	0			0	
GMP25	GMP		1127	72.5			0.4	10.3	3.8	0	26.8	0			0.02	JHM 0
GMP06A	GMP		1151	77.5	30.09	0.3	0	1.4	19.0	0	0	0			0.02	
GMP05A	GMP		1157	76.5			0	2.5	6.4	0	0	0			0	
Ex9	Well		1200	77.0			0.3	8.4	5.5	5	3.5	0	0		0.08	shutdown at 1200
GMP26	GMP		1206	72.9			0	8.4	8.4	0	0	0			0.13	
EX8	Well		1211	79.3			0	1.4	19.8	0	1.0	0			0	
GMP25	GMP		1216	77.0			0.4	10.8	3.3	0	30.7	0			0	
GMP06A	GMP		1230	77.0			0.1	1.3	18.9	2	0	0			0	
GMP05A	GMP		1238	75.5			0	2.5	6.5	0	0	0			0	
GMP26	GMP		1244												0.12	
EX8	Well		1246												0	

Name: James Medley, John Adams

Date: 15-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
													–	≈10	Ø	
GMP25		1247 →											–		0.08	
Ex9		1248 →											–		0.12	
GMP26		1250 →		78.9	30.09	+0.3	Ø	8.5	7.8	Ø	0	0	–		Ø	
Ex8		1255 →		83.0			Ø	1.7	19.4	Ø	0.9	Ø	–		Ø	
GMP25		1300 →		76.1			0.4	11.2	3.1	Ø	31.2	Ø	–		0.12	CH_4 = 0.3
Ex9		1305 →		72.5			0.3	8.9	4.3	5	4.4	Ø	–		Ø	
GMP06A		1315 →		74.5			0.1	1.1	18.9	2	Ø	Ø	–		Ø	
GMP05A		1320 →		77.4			0.	2.5	6.5	0	Ø	Ø	–		0.12	
GMP26		1329 →											–		Ø	
Ex8		1331 →											–		Ø	
GMP25		1332 →											–		0.12	
Ex9		1333 →											–		Ø	
GMP06A		1340 →											–		Ø	
GMP05A		1342 →														

Start-up Ex-1 Name: James, John, Greg
Date: 18-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex1 Recovery Blower #1 Loc/ flowrate (cfm)	Ex10 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		737	63.0	30.20	-000.1	Ø	0.5	19.6	0	0	Ø	[illegible] -	10	0.01	Daily Ex10
GMP05A	↓		749	63.7	↓	↓	Ø	3.2	6.1	Ø	Ø	Ø	—		.02	Daily Ex10
GMP04A			755	63.3			3.4	13.8	0.5	67	6.6	Ø	—		Ø	prelim Ex1
GMP14A			[illegible]	61.9			2.9	13.2	0.2	58	33.4	Ø	—		Ø	preliminey Ex1
GMP12			0810	58.8			Ø	0.6	20.7	Ø	Ø	Ø	—		0.18	Daily Ex10
GMP14			0815	57.2			Ø	11.0	6.2	Ø	Ø	Ø	—		0.05	Daily Ex10
GMP26	↓		0833	61.7	↓	↓	0.3	10.9	0.7	6	13.7	Ø	—		Ø	Daily Ex10
EX9	well		1009	61.9	30.23	-0.0	Ø.Ø	7.5	11.3	Ø	6.6	Ø	—		Ø	Daily Ex10
EX8	well		1003	65.7	30.23	-0.0	0.8	14.1	Ø	15	93.4	Ø	—	5 max	—	Daily Ex10
GMP25	GMP		1019	—	30.23	-0.0	Ø.Ø	4.7	11.9	Ø	Ø	Ø	—	5 max	—	Daily Ex10
Ex10	Hydrosil		1022	—	30.23	-0.0	0.Ø	4.6	12.0	Ø	Ø	Ø	—	5 max	—	Daily Ex10
Ex10	Carbon 1		1024	—	30.23	-0.Ø	Ø.Ø	4.5	12.0	Ø	Ø	Ø			Ø	preliminary Ex1
Ex10	Influent		1030	65.7	30.23	-0.0	Ø.5	7.4	Ø	10	104.9	Ø			Ø	preliminary Ex1
EX3	Well		1036	61.5	30.23	-0.Ø	Ø.3	8.2	Ø	5	140.6	Ø			Ø	preliminary Ex1
Ex2	Well		1042	66.2	30.23	-0.Ø	Ø.7	12.5	Ø.1	13	87	Ø			Ø	before start up
GMP22	GMP		1054	71.1	30.23	-0.Ø	Ø.8	12.8	0.4	16	29.0	Ø			—	Startup Summ
Ex1	Well		11.07	—	30.23	-0.Ø	Ø.1	3.8	6.0	2	Ø	Ø	5 max			
Ex1	Hydrosil		11:11	—	30.23	-0.0	Ø.6	4.0	12.4	12	Ø	Ø	5			Summ
Ex1	Carbon 1		11:14	—	30.23	-0.Ø	Ø.3	5.3	12.5	6	24.5	Ø	5			
Ex1	Influent		11:20	68.9	30.22	Ø.1	2.9	13.2	Ø.5	58	29.0	Ø	—	—	Ø	
GMP-12	GMP		11:28	73.2	30.22	Ø.1	1.5	15.2	Ø.5	29	6.6	Ø	—	—	0.05	
GMP-01A	GMP		11:41	70.3	30.22	Ø.1	Ø.7	12.3	Ø.4	9	2.2	Ø	—	—	Ø	
GMP-22	GMP		11:35	68.9	30.22	Ø.1	Ø.2	7.9	Ø.6	4	127.2	Ø	—	—	Ø	
Ex-2	WELL		11:46	74.1	30.22	Ø.1	Ø.4	7.0	Ø.8	8	118.3	Ø	—	—	Ø	
Ex-3	WELL		11:53	65.7	30.22	Ø.1	Ø.Ø	Ø.1	21.3	Ø	Ø	Ø				Double ✓ Meth
GMP-14	GMP		12:00	—	30.22	Ø.1	Ø.5	7.0	10.9	10	Ø	Ø	5 max			
Ex-1	hydrosil		12:10	—	30.22	0.1	Ø.6	6.6	10.9	10	Ø	Ø				
Ex-1	Carbon 1		12:14	—	30.22	0.1	Ø.6	6.0	11.0	11	24.5	Ø				
Ex-1	Influent		12:20	68.5	30.20	0.1	3.0	13.1	0.9	59	33.4	Ø			Ø	
GMP12	GMP		12:31	69.9	30.20	0.1	1.4	15.7	0.6	27	6.6	Ø			Ø	
GMP-01A	GMP		12:41	70.0	30.20	0.1	Ø.3	8.3	6.4	6	91.5	Ø			Ø	
GMP-22	GMP		12:48	68.0	30.20	0.1	0.2	7.6	1.4	4	113.8	Ø			Ø	
Ex-2	WELL		12:54	69.8	30.20	0.1	0.1	2.7	13.3	2	42.4	Ø				
Ex-3	WELL		1:03	66.2	30.20	0.1	Ø.Ø	0.1	21.3	Ø	Ø					
GMP-14	GMP															

Meth [illegible]

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Start-up Ex-1

Name: James, John, Grey

Date: 18-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex-1 Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex-1	hydrosil		1:07	—	30.20	0.1	0.7	8.0	9.3	14	0.0	0	~~EX7/60~~ 5 max		—	Methane
Ex-1	carbon 1		1:08	—	30.20	0.1	0.7	7.9	9.3	14	0.0	0	5		—	
Ex-1	INTLET		1:10	—	30.20	0.1	0.8	7.7	9.4	16	24.5	0	5		0	
GMP-12	GMP		1:13	79.0	30.20	0.1	0.3	2.9	18.2	5	11.1	0	—		0.04	
GMP-01A	GMP		1:17	76.0	30.20	0.1	1.7	14.1	1.0	33	6.6	0	—		0	VOCs 113.8
GMP-22	GMP		1:24	78.1	30.20	0.1	0.5	11.0	2.7	9	[illegible]	0	—		0	
Ex-2	Well		1:31	75.4	30.20	0.1	0.2	7.3	2.0	3	82.6	0	—		0	
Ex-3	Well		1:36	79.5	30.19	0.2	0.3	5.0	6.1	6	60.2	0	—		0	
GMP-14	GMP		1:41	73.8	30.19	0.2	0.0	0.1	21.6	0	0	0	—		0	
GMP-12			1:52	79.4	30.19	0.2	0.9	7.7	10.2	17	15.6	0	—		0.04	
GMP-01A			1:56	75.7	30.19	0.2	1.7	14.4	1.0	34	6.6	0	—		0	
GMP22			2:00	74.5	30.19	0.2	0.4	11.1	2.2	8	95.9	0	—		0	
Ex-2			2:08	71.2	30.19	0.2	0.2	7.4	1.8	3	104.2	0	—		0	
Ex-3			2:13	75.6	30.19	0.2	0.4	5.8	4.3	7	60.2	0	—		0	
GMP-14			2:21	72.3	30.19	0.2	0	0.1	21.6	0	0	0	—			
Ex-1	hydrosil		1:44	—	30.19	0.2	0.7	7.8	9.9	14	0	0	5			
Ex-1	carbon 1		1:45	—	30.19	0.2	0.8	7.9	9.1	15	0	0	5			
Ex-1	INT		1:49	—	30.19	0.2	0.8	7.8	9.3	16	29.0	0	5			
							~~0.4~~	~~11.1~~	~~2.8~~	~~8~~	~~4~~					

NOV 18 2002 4:47PM FORESITE 9256733089 P.3

Name: J. Medley, J. Adams

Date: 19-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		EX1	EX10		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		0840	66.0	30.30	-0	0	0.4	20.3	0	0	0			0.01	Daily EX10 + weekly GMP
GMP05A	GMP		0851	65.1	30.30	0	0	3.3	6.2	0	0	0			0	Daily EX10 + weekly GMP
GMP01A	GMP		0904	62.2	30.28	0	0	15.4	7.1	0	0	0			0	Daily EX1
GMP12	GMP		0915	69.6	30.28	0	0.5	13.1	6.3	9	112.6	0			0	
GMP14	GMP		0945	61.5	30.28	0	0	0.1	21.3	0	0	0			0	
GMP26	GMP		1005	60.8	30.28	0	0	11.9	5.5	0	0	0			0.18	Daily EX10 + weekly UCSF
EX9	Well		1010	71.1			0.4	10.9	4.0	7	16.5	0			0.04	
EX8	Well		1015	60.8			0	8.0	9.7	0	8.1	0			0.02	
GMP25	GMP		1022	68.0			0.7	13.4	0.8	14	35.2	0			0.01	
EX10	Hydrosil		0955		30.28	0	0	4.2	13.6	0	0	0			–	
EX10	Carbon 1		0958				0	4.0	13.5	0	0	0			–	
EX10	Influent		1001				0	4.0	13.5	0	0	0			–	
EX3	Well		1105	69.3	30.28	0	0.4	6.9	1.1	8	160.4	3.9			0	Daily EX1 + Weekly UCSF
EX2	Well		1111	61.5			0.3	7.3	0.9	5	191.9	3.9			0	
GMP22	GMP		1116	69.8			0.5	11.5	0.8	9	199.8	3.9			0	
EX1	Hydrosil		1122				1.0	8.7	7.8	20	0	0			–	
EX1	Carbon 1		1125				1.0	8.8	7.3	20	0	0			–	
EX1	Influent		1127				1.0	8.7	7.4	20	35.2	0			–	
PASS03	Hydrosil		0845	–	30.30	0	5.8	7.1	15.8	>	0	0			–	Weekly passive system
PASS03	Carbon 1		0846	–	30.30	0	16.7	17.6	4.4	7	0	0			–	
PASS03	Influent		0848	–	30.30	0	19.5	18.2	3.3	>	0	0			–	
PASS02	Hydrosil		0857	–	30.30	0	5.7	4.0	16.6	>	0	0			–	
PASS02	Carbon 1		0859	–	30.30	0	20.5	19.3	2.7	>	0	0			–	
PASS02	Influent		0901	–	30.30	0	18.1	18.2	1.8	>	0	0			–	
PASS01	Hydrosil		0908	–	30.28	0	38.6	28.2	0	>	0	0			–	
PASS01	Carbon 1		0910	–	30.28	0	38.3	23.1	0	>	0	0			–	
PASS01	Influent		0912	–	30.28	0	42.0	26.1	0	>	0	0			–	
PASS04	Hydrosil		0920	–			2.3	1.7	19.7	46	0	0			–	
PASS04	Carbon 1		0924	–			10.2	10.7	14.7	>	0	0			–	
PASS04	Influent		0927	–			11.5	9.3	14.4	>	11.7	0			–	
GMP24	GMP		1033	62.2	30.28	0	2.0	13.0	0.4	38	90.1	0			0	Weekly UCSF monitor
EX6	Well		1039	66.2			0.9	4.1	7.0	15	50.9	0			0.02	
EX5	Well		1049	70.7			1.0	4.2	1.0	20	66.6	0			0	
GMP23	GMP		1055	56.8			0.9	5.0	0.9	17	109.6	0			0	

Name: J. Medley, J. Adams
Date: 19-November-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX7	Well	–	1028	63.0	30.28	0	0.3	12.7	0.6	5	43.1	0			Ø	
EX4	Well		1100	61.2	30.28	0	1.0	5.3	0.9	20	144.9	3.9			Ø	

Name: James Medley / Greg Mason
Date: 11/20/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	EX1 Recovery Blower #1 Loc/ flowrate (cfm)	EX10 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP06A	GMP		0910	69.4	30.08	0	0	0.6	20.5	0	0	0	≅10	≅5	0.04	
GMP05A	↓		0916	70.2	↓	↓	0	3.4	4.7	0	0	0	↓	↓	0	
GMP01A	↓		0923	69.6	↓	↓	19.8	18.1	0.2	>	0	0	↓	↓	0	
GMP12	↓		0931	72.0	↓	↓	8.1	14.4	1.3	>	0	0	↓	↓	0	
GMP14	↓		1047	69.6	30.06	0.1	0	0.1	21.4	0	0	0	↓	↓	0	
EX10	Hydrosil		0945	–	30.07	0.1	0	3.9	13.8	0	0	0	↓	↓	–	
EX10	Carbon 1		0947	–	↓	↓	0	3.7	13.8	0	0	0	↓	↓	–	
EX10	Influent		0949	–	↓	↓	0	3.8	13.5	0	0	0	↓	↓	–	
GMP26	GMP		0953	63.3	↓	↓	0	9.6	7.4	0	0	0	↓	↓	0.18	
EX9	Well		0959	74.8	↓	↓	0.4	11.2	0.8	7	14.3	0	↓	↓	0	
EX8	Well		1006	68.2	↓	↓	0	11.3	6.1	0	10.3	0	↓	↓	0	
GMP25	GMP		1011	68.4	↓	↓	0.7	13.9	0.4	14	37.2	0	↓	↓	0	
EX3	Well		1016	69.6	↓	↓	0.5	7.2	1.2	9	106.0	0	↓	↓	0	
EX2	Well		1022	65.1	↓	↓	0.2	6.8	1.8	3	146.1	0	↓	↓	0	
GMP22	GMP		1028	70.7	↓	↓	0.2	10.6	1.0	5	157.8	0	↓	↓	0	CO_2 = 10.6
EX1	Hydrosil		1033	–	↓	↓	2.7	9.9	5.8	54	8.5	0	↓	↓	–	VOCs = 0
EX1	Carbon 2		1035	–	↓	↓	2.3	9.0	6.6	46	0	0	↓	↓	–	
EX1	Influent		1037	–	↓	↓	2.5	9.8	6.5	49	0	0	↓	↓	–	VOCs = 5.6
EX10	Well		1055	76.5	30.06	0.1	0	3.6	14.2	0	0	0	↓	–	0	After Shutdown
			EX10 System shutdown at 10:50 AM													
			EX1 hydrosil and influent VOC data is reversed - JHM													

Name: G. Mason, J. Medley
Date: 21-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex1	Ex2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP02A	GMP		0805	60.4	30.03	Ø	4.6	12.7	1.0	91	Ø	Ø	≅7	–	Ø	
GMP01A	GMP		0917	66.4			17.0	22.3	0.1	>	0	Ø		–	Ø	
GMP12	GMP		0913	67.8			4.9	15.8	3.0	98	4.9	Ø		–	0.04	
GMP14	GMP		0945	63.0	30.03	Ø	Ø	0.1	20.6	Ø	Ø	Ø		–	Ø	
EX4	Well		0908	62.2			1.1	5.9	0.2	21	115.8	Ø		–	Ø	
EX3	Well		0904	63.8			0.4	7.4	0.8	8	148.9	Ø		–	Ø	
GMP22	GMP		0859	63.0			0.2	9.9	0.7	3	162.1	Ø		–	0.01	
EX1	Hydrosil		921	–			5.2	10.2	6.0	>	0	Ø		–	–	
EX1	Carbon 1		923	–			5.2	10.5	5.2	>	0	0		–	–	
EX1	Influent		926	–			5.0	9.9	6.2	100	0	0		–	–	
EX2	Well		0855	63.5	30.03	Ø	0.1	7.2	1.4	2	68.8	Ø		20	Ø	well monitored before startup
EX2	Hydrosil		0933	–	30.03		0.2	~~7.0~~ 1.9	23	3	0	Ø			–	startup at 930 Summa collected CO_2 = 1.9
EX2	Carbon 1		0937	–			0.1	5.4	2.7	2	0	0			–	
EX2	Influent		0939	–			0.1	6.9	23	2	102.1	0			—	Summa Collected at 948
GMP22	GMP		0949	69.8			0.3	10.3	0.6	5	3.9	Ø			0.08	
GMP12	GMP		0956	68.5			5.2	15.7	3.8	>	16.5	Ø			0.05	
GMP01A	GMP		1001	66.7			15.4	22.3	1.1	>	0	0			0.06	
GMP02A	GMP		1006	66.5			4.2	12.4	1.3	82	4.3	Ø			0.04	
EX3	Well		1012	75.2			0.4	7.1	1.1	8	89.3	Ø			0.06	
EX4	Well		1017	68.1			1.1	5.7	0.4	21	88.7	Ø			0.02	
GMP14	GMP		1023	64.4			0	0.1	21.3	Ø	Ø	Ø			Ø	
GMP22	GMP		1028	68.0			0.1	9.1	0.9	2	9.9	Ø		30	0.10	Increase flow to 30 CFM
GMP12	GMP		1035	68.5			4.5	15.3	5.6	90	16.5	Ø			0.03	
GMP01A	GMP		1039	69.6			12.3	22.4	2.2	>	Ø	Ø			0.02	
GMP02A	GMP		1044	69.2			4.0	12.7	1.5	80	6.8	Ø			0.03	
EX3	Well		1050	71.4			0.4	6.7	2.6	8	95.9	Ø			0.13	
EX4	Well		1058	66.4			1.0	5.6	1.0	20	93.9	Ø			0.02	
GMP14	GMP		1108	65.3			0	0.1	21.6	0	0	0			0	
GMP22			1126	69.3			0.2	9.8	1.7	4	3.3	Ø		40	0.11	Increase flow to 40 CFM
GMP12			1136	69.3			3.1	14.1	6.1	63	4.4	Ø			0.09	
GMP01A			1143	68.0			7.4	21.8	4.0	>	3.5	Ø			0.04	
GMP02A			1150	69.3			3.8	12.6	1.7	80	9.9	Ø			0.04	

Name: James Medley / Greg Mason

Date:

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex3	Well		1200	71.4	30.03	0	0.3	5.9	5.8	5	1026	0	7	40	0.10	
Ex4	Well		1209	68.5	↓	↓	1.0	5.6	1.0	20	98.9	0	↓	40	0.04	
GMP14	GMP		1219	66.9	↓	↓	0	0.1	21.3	0	0	0	↓	40	0	
GMP22	↓		1228	68.8	↓	↓	0.3	10.5	1.4	5	0	0	↓	50	0.13	
GMP12	↓		1237	70	↓	↓	3.1	14.5	6.6	61	9.7	0	↓	↓	0.10	
GMP01A	↓		1244	69.6	↓	↓	4.3	21	6.1	95	0	0	↓	↓	0.10	
GMP02A	↓		1252	72.9	↓	↓	3.6	12.7	1.7	72	2.1	0	↓	↓	0.08	
Ex3	Well		1301	77.1	↓	↓	0.4	6.2	4.5	7	62.8	0	↓	↓	0.1	
Ex4	Well		1308	75.1	↓	↓	1.0	5.5	0.9	19	49.6	0	↓	↓	0.04	
GMP14	GMP		1318	72.3	↓	↓	0	0.1	21.3	0	0	0	↓	↓	0	

Name: J. Medley, G. Mason
Date: 11/22/02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex1	Ex2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP02A	GMP	–	0945	62.2	30.03	0	0.7	10.4	5.9	13	104.3	0		50	0.04	
GMP01A		–	0952	59.2			0.3	6.3	15.8	5	4.0	0			0.08	
GMP12		–	1000	59.5			0	3.6	18.5	0	10.4	0			0.04	
EX1	Hydrosil	–	1004	–			3.6	11.1	3.4	71	0	0			–	
EX1	Carbon 1	–	1006	–			3.9	11.9	7.7	76	0	0			–	
EX1	Influent	–	1008	–			3.8	11.6	7.8	74	12.5	0			–	
EX2	Hydrosil	–	1012	–			5.9	9.4	9.0	>	0	0			–	
EX2	Carbon 1	–	1015	–			6.2	10.0	9.3	>	0	0			–	
EX2	Influent	–	1017	–			6.4	10.0	9.4	>	10.2	0			–	
GMP22	GMP	–	1020	60.8			0.4	8.3	8.0	7	0	0			0.16	
EX3	Well	–	1027	62.1			0.5	7.3	0.7	10	187.8	0			0.06	
EX4	Well	–	1034	60.3			1.1	5.9	0.2	21	146.0	0			0	
GMP14	GMP	–	1041	60.3			0	0.1	21.0	0	0	0			0	

Name: J. Medley, G. Mason

Date: 25-Nov-02

Performance Monitoring Log

Sampling Location								GEM2000				PID		EX1	EX2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP02A	GMP	–	0918	65.1	30.07	0	0	5.2	12.7	0	14.7	0	7	50	0.04	Daily
GMP01A	GMP	–	0918	69.3			0.1	1.8	18.7	1	0	0			0.08	
GMP12	GMP	–	0935	69.9			0	1.4	19.4	0	5.5	0			0.10	
GMP14	GMP	–	1020	67.6			0	0.1	21.5	0	0	0			0	
EX1	Hydrosil	–	1027	–			0.9	10.2	5.3	18	0	0			–	Daily
EX1	Carbon 1	–	1030	–			1.1	10.1	5.2	22	0	0			–	
EX1	Influent	–	1033	–			0.7	9.1	6.2	14	24.2	0			–	
EX2	Hydrosil	–	1036	–			3.7	7.4	12.8	74	0	0			–	
EX2	Carbon 1	–	1038	–			4.3	2.9	12.0	85	0	0			–	
EX2	Influent	–	1040	–			3.9	7.4	12.8	78	13.0	0			–	
GMP22	GMP	–	1042	71.4			0.3	0.2	10.9	6	1.4	0			0.18	Daily + weekly
EX3	Well	–	1048	74.5			0.1	1.6	16.9	2	9.5	0			0.03	
EX4	Well	–	1054	67.1			1.0	6.1	0.9	19	35.4	0			0.03	
GMP23	GMP	–	1059	60.4	30.07	0.1	0.9	5.6	0.6	16	46.6	0			0.02	Weekly UCSF
EX5	Well	–	1105	67.3			1.1	4.8	0.6	21	31.6	0			0	
EX6	Well	–	1111	74.3			0.6	3.7	9.4	11	9.7	0			0	
GMP24	GMP	–	1117	70.2			1.9	12.9	0.6	37	13.0	0			0	
EX7	Well	–	1124	70.5			0.5	14.0	0.7	10	9.1	0			0	
GMP25	GMP	–	1131	67.5			0.7	13.9	0.7	13	9.3	0			0	
EX8	Well	–	1138	69.3			0	12.0	5.7	0	5.5	0			0	
EX9	Well	–	1146	76.1			0.6	11.3	1.8	12	3.3	0			0	
GMP26	GMP	–	1155	64.0			0	9.3	7.1	0	0	0			0	
EX10	Well	–	1008	66.6	30.07	0	0	4.3	12.1	0	4.9	0			0	Weekly Passive
PV-01	Hydrosil	–	0926	–			0	0	20.6	0	0	0			–	
PV-01	Carbon 1	–	0929	–			0	0	20.4	0	0	0			–	
PV-01	Influent	–	0932	–			0	0.2	20.5	0	24.2	0			–	
PV-02	Hydrosil	–	0944	–			7.1	6.3	16.5	>	0	0			–	
PV-02	Carbon 1	–	0946	–			18.0	18.6	6.9	>	0	0			–	
PV-02	Influent	–	0948	–			14.7	13.1	8.0	>	1.4	0			–	
PV-03	Hydrosil	–	0952	–			1.8	4.0	19.3	36	0	0			–	
PV-03	Carbon 1	–	0954	–			9.3	16.6	5.9	>	0	0			–	
PV-03	Influent	–	0956	–			2.0	8.6	5.9	40	0	0			–	
PV-04	Hydrosil	–	1000	–			2.8	2.5	14.9	55	0	0			–	

Name: J. Medley

Date: 25-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex1	Ex2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-04	Carbon 1	–	1001	–	30.07	0	9.5	10.4	15.4	>	0	0	7	50	–	
PV-04	Influent	–	1003	–	30.07	0	10.3	9.5	15.0	>	30	0	7	50	–	VOCs = 13.0

Name: Greg Mason, James Medkop, John ADAM

Date: 26-Nov-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		EX1	EX2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP02A	GMP		10:38	73.6	30.10	1.5	Ø	4.7	14.4	Ø	Ø	Ø	7	50	Ø	No Lock
GMP01A	GMP		10:12	74.8	30.10	1.5	Ø	2.3	19.1	Ø	Ø	Ø	7	50	0.08	New Monument ugsl No Loc
GMP12	GMP		10.05	72.2	30.10	1.5	Ø	1.3	20.2	Ø	Ø	Ø	7	50	0.12	
GMP14	GMP		1:37	70.9	30.10	1.5	Ø	Ø	22.2	0	Ø	Ø	7	50	Ø	
EX1	Hydrosil		10:20	—	30.10	1.5	0.4	9.8	5.6	8	Ø	Ø	7	50	—	
EX1	Carbon 1		10:23	—	30.10	1.5	0.6	9.6	6.0	13	Ø	Ø	7	50	—	
EX1	Influent		10:27	—	30.10	1.5	0.4	7.8	7.9	7	12.7	Ø	7	50	—	
EX2	Hydrosil		10:30	—	30.10	1.5	2.2	6.2	13.8	44	Ø	Ø	7	50	—	
EX2	Carbon 1		10:32	—	30.10	1.5	2.6	7.2	12.7	50	Ø	Ø	7	50	—	
EX2	Influent		10:35	—	30.10	1.5	2.4	6.6	13.4	48	7.3	Ø	7	50	Ø.18	
GMP22	GMP		09:11	63.5	30.10	-0.0	0.3	6.1	11.3	5	3.0	Ø	7	50	Ø.04	
EX3	Well		Ø9:ØØ	53.7	30.10	-0.0	Ø.6	6.6	3.6	11	36.9	Ø	7	50	Ø.03	
EX4	Well		Ø9:Ø5	58.4	30.10	-0.0	1.1	6.4	0.3	21	48.4	Ø				

Name: James Medley, John Adams

Date: 27-Nov-02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex1 Recovery Blower #1 Loc/ flowrate (cfm)	Ex2 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP14	GMP	–	0900	59.0	30.02	0	0	0	20.8	0	0	0	7	50	0	Daily
EX4	Well	–	0910	58.6	↓	↓	0.9	6.3	1.5	18	33.5	0	↓	↓	0.02	↓
EX3	Well	–	0918	65.7			0.6	6.8	3.5	13	39.6	0			0.04	
GMP22	GMP	–	0926	64.8			0.3	6.0	11.6	6	0	0			0.16	
EX2	Hydrosil	–	0933	–			2.8	7.5	12.1	55	0	0			–	
EX2	Carbon 1	–	0936	–			2.8	7.3	12.3	55	0	0			–	
EX2	Influent	–	0939	–			2.8	7.1	12.5	55	0	0			–	
EX1	Hydrosil	–	0942	–			0.4	9.7	5.6	7	0	0			–	
EX1	Carbon 1	–	0945	–			0.4	9.9	5.5	8	0	0			–	
EX1	Influent	–	0948	–			0.4	9.0	6.9	8	27.4	0			0.11	JHM
GMP12	GMP	–	0955	72.9			0	1.1	20.0	0	0	0			0.09	needslock
~~GMP01A~~	~~GMP~~	–	~~1005~~	~~70.7~~			~~0.1~~	~~6.7~~	~~15.2~~	~~6.4~~		0			0.07	↓ needslock
GMP02A	GMP	–	1014	73.0	↓	↓	0	3.9	14.4	0		0	↓	↓	0.09	VOCs=0
GMP01A	GMP	–	1005	70.7	30.02	0	0.1	2.6	18.7	1	0	0	7	50	~~0.07~~	JHM

Name: James Medley
Date: 11/28/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex1 Recovery Blower #1 Loc/ flowrate (cfm)	Ex2 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
							0	0	21.0	0	0	0	7	50	0	
GMP14	GMP		0751	58.1	30.11	0	1.0	6.8	0.4	19	40.7	0			0.01	
Ex4	Well		0800	54.5			0.7	7.1	3.7	13	46.5	0			0.07	
Ex3	Well		0810	61.3			0.3	5.9	11.5	5	4.0	0			0.18	
GMP22	GMP		0819	66.3			1.7	6.3	14.1	33	0	0			–	
Ex2	Hydrosil		0830	–			1.4	4.6	15.5	28	0	0			–	
Ex2	Carbon 1		0834	–			1.6	6.2	13.6	32	5.8	0			–	
Ex2	Influent		0838	–			0.2	9.5	6.5	4	0	0			–	
Ex1	Hydrosil		0845	–			0.2	9.1	6.0	4	0	0			–	
Ex1	Carbon 1		0850	–			0.2	7.0	9.1	4	17.4	0			0.08	
Ex1	Influent		0855	–			0	1.0	19.9	0	0	0			0.10	
GMP12	GMP		0906	68.7			0	4.4	16.3	0	0	0			0.10	
GMP01A			0915	68.9			0	3.4	15.6	0	0	0			0	
GMP02A			0923	67.7			0	2.1	4.7	0	7.8	0				
GMP11			0933	69.1												

Name: James Medley
Date: 12-01-02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	EX1 Recovery Blower #1 Loc/ flowrate (cfm)	EX2 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP14	GMP	-	1140	72.0	30.09	0	0	0.1	20.2	0	0	0	7	50	0	
EX4	Well	-	1151	75.0	30.09	0	0.9	7.0	0	19	63.9	0		50	0.01	
EX3	Well	-	1201	73.9	30.06	0	0.1	2.1	15.4	2	18.8	0		50	0.03	
GMP22	GMP	-	1211	71.6			0.2	5.0	12.2	4	2.1	0			0.16	
EX2	Hydrosil	-	1221	-			2.0	5.8	13.5	40	0	0			-	
EX2	Carbon 1	-	1225	-			2.0	5.8	13.4	40	0	0			-	
EX2	Influent	-	1230	-			2.0	5.8	13.3	41	11.2	0			-	
EX1	Hydrosil	-	1236	-			0.1	9.0	6.5	1	0	0			-	
EX1	Carbon 1	-	1240	-			0.1	8.6	6.2	1	0	0			-	
EX1	Influent	-	1245	-			0.1	8.2	6.8	1	41.4	0			-	
GMP12	GMP	-	1254	78.1			0	0.8	20.2	0	0	0			0.08	
GMP01A	GMP	-	1305	76.1			0.1	1.8	18.0	2	0	0			0.06	
GMP02A	GMP	-	1315	78.7			0	2.6	16.4	0	3.7	0			0.03	
GMP11	GMP	-	1325	81.9			0	2.2	8.8	0	9.4	0			0	

Name: Greg, JOHN

Date: 2-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP14	GMP		11.23	62.6	30.05	-0.1	Ø	0.1	21.5	Ø	Ø	Ø	7	50		
EX4	Well		1029	63.1	30.05	-0.1	0.9	0.7	0.3	17	86.8	13.7			Ø	
EX3	Well		1025	68.9	30.05	-0.1	0.7	6.8	4.0	13	50.2	Ø			Ø.Ø2	
GMP22	GMP		1018	70.3	30.05	-0.1	0.2	5.3	11.9	4	Ø	Ø		—	Ø.Ø4	
EX2	Hydrosil		1008		30.05	-0.2	1.7	4.9	14.7	34	Ø	Ø				
EX2	Carbon 1		1010				2.2	6.0	13.1	44	Ø	Ø				
EX2	Influent		1013				~~Ø~~	~~5.6~~	~~11.1~~	~~Ø~~	~~Ø~~	~~Ø~~				~~CH4 2.2/CO2 6.2/O2 13.0~~
EX1	Hydrosil		1001				0.1	8.1	6.5	1	Ø	Ø				
EX1	Carbon 1		1003				0.1	6.5	9.4	1	0					
EX1	Influent		1005				Ø	5.6	11.1	Ø	Ø	Ø				
GMP12	GMP		0930	63.7	30.05	-0.2	Ø	1.0	19.4	Ø	Ø	Ø			0.12	
GMP11	GMP		JA ~~0940~~	72.7	30.05	-0.2	Ø	2.5	9.0	Ø	Ø	Ø			JA ~~0.05~~	Time 0956
GMP01A	GMP		0940	68.7	30.05	-0.2	Ø	2.2	17.9	Ø	Ø	Ø			0.05	
GMP02A	GMP		0948	69.6	30.05	-0.2	Ø	2.7	15.1	Ø	Ø	Ø			0.04	
JCSF EX5			1032	70.1	30.05	-0.2	1.2	5.5	0.1	~~Ø.9~~	77.7	Ø				LEL Ø
GMP 23			1045	68.5	30.05	-0.2	0.9	6.2	0.1	17	141.7	Ø				
EX6			1050	65.1	30.05	-0.1	0.7	4.0	7.4	13	41.1	Ø				
GMP 24			1054	65.7	30.05	-0.1	2.0	13.0	0.2	39	50.2	Ø				
EX7			1058	68.0	30.05	-0.1	0.6	14.6	0.3	12	31.9	Ø				
GMP 25			1105	68.0	30.05	-0.1	0.5	13.5	0.3	10	41.1	Ø				
EX8			1108	65.1	30.05	-0.1	0	11.8	6.5	0	15.7	Ø				
EX9			1111	70.3	30.05	-0.1	0.8	11.9	0.8	15	13.7	Ø				
GMP 26			1116	60.3	30.05	-0.1	0	8.9	6.3	0	Ø	Ø				
~~GMP 14~~			~~1123~~	~~62.6~~	~~30.05~~	~~-0.1~~	~~0~~	~~0.1~~	~~21.5~~	~~0~~	~~Ø~~	~~Ø~~				

Name: James Medley, John Adams

Date: 3-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		Ex1	Ex2		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP14	GMP	-	1129	63.0	30.10	0	0	0.1	21.2	0	0	0	7	50	0	
EX4	Well	-	~~1138~~ 1148	64.7			0.9	6.7	0.8	17	53.1	0			0.02	
EX3	Well	-	1208	69.0			0.7	7.3	2.8	14	35.8	0			0.11	
GMP22	GMP	-	1217	70.2			0.3	6.0	12.6	5	0	0			0.19	
EX2	Hydrosil	-	1225	—			0.8	5.5	14.6	16	0	0			—	
EX2	Carbon 1	-	1228	—			0.9	5.8	14.1	17	0	0			—	
EX2	Influent	-	1232	—			0.9	5.9	14.1	17	6.1	0			—	
EX1	Hydrosil	-	1236	—			0	8.9	5.9	0	0	0			—	
EX1	Carbon 1	-	1240	—			0	8.4	6.9	0	0	0			—	
EX1	Influent	-	1243	—			0	7.5	8.3	0	14.9	0			—	
GMP12	GMP	-	1009	66.4			0	1.0	20.5	0	0	0			0.09	
GMP11	GMP	-	1019	67.3			0	2.5	10.0	0	0	0			0.03	
GMP01A	GMP	-	0958	63.5	30.10	0	0	4.2	17.0	0	0	0			0.08	
GMP02A	GMP	-	0949	62.0	30.10	0	0	2.6	15.8	0	0	0			0.06	
PV-1	Hydrosil	-	1026	-	30.10	0	0	0	21.3	0	0	0			-	Weekly passive
PV-1	Carbon 1	-	1029	-			0	0	21.2	0	0	0			-	
PV-1	Influent	-	1032	-			0	0	21.2	0	6.4	0			-	
PV-2	Hydrosil	-	0937	-			~~2.2~~ 2.5	2.6	19.2	50	0	0			-	CH_4=2.5
PV-2	Carbon 1	-	0940	-			14.4	16.6	9.6	>	0	0			-	
PV-2	Influent	-	0943	-			5.3	4.7	17.1	>	0	0			-	
PV-3	Hydrosil	-	0919	-	30.10	0	0	0.3	20.1	0	0	0			-	
PV-3	Carbon 1	-	0923	-	30.10	0	2.4	10.5	18.2	47	0	0			-	
PV-3	Influent	-	0925	-	30.10	0	2.0	9.8	6.1	40	2.9	0			-	
PV-4	Hydrosil	-	0857	-	30.10	0	0.5	0.5	20.3	9	0	0			-	
PV-4	Carbon 1	-	0900	-	30.10	0	7.1	8.5	16.3	>	0	0			-	
PV-4	Influent	-	0903	-	30.10	0	8.8	9.1	15.4	>	10.6	0			-	
EX10	Well	-	1029	67.1	30.10	0	0	3.1	9.1	0	0	0			0	Weekly (XSP)

Name: Greg Mason, John Adams
Date: 4-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP14	GMP		1:18	72.5	30.15	0.1	Ø	Ø.1	21.Ø	Ø	Ø	Ø			Ø	Daily ROI
EX4	Well		1:07	74.8	30.15	0.1	0.8	6.6	1.1	15	39.7	Ø			.02	Daily ROI
EX3	Well		1:04	74.9	30.15	0.1	0.5	5.6	7.0	4	25.9	Ø			.10	Daily ROI
GMP22	GMP		12:59	72.3	30.15	0.1	Ø.1	4.8	13.3	2	Ø	Ø			.12	Daily ROI
EX2	Hydrosil		12:01	—	30.18	0.1	Ø.6	5.3	14.8	12	Ø	Ø		50	*	moisture k.O.
EX2	Carbon 1		12:04	—	30.18	0.1	Ø.6	5.2	14.8	12	Ø	Ø		50		1/3 full
EX2	Influent		12:06	—	30.18	0.1	Ø.6	5.5	14.6	14	15.5	Ø		50		
EX1	Hydrosil		12:10	—	30.18	Ø.1	Ø.Ø	8.7	6.0	Ø	Ø	Ø	7		*	water in
EX1	Carbon 1		12:13	—	30.18	Ø.1	Ø.Ø	7.1	8.8	Ø	Ø	Ø	7			Eff sample port
EX1	Influent		12:16	—	30.18	Ø.1	Ø.Ø	5.6	11.3	Ø	6.1	Ø	7		*	+ k.O. 1/2 full
GMP12	GMP		12:27	71.6	30.18	Ø.1	Ø.Ø	Ø	21.6	Ø	Ø	Ø			.Ø6	Daily ROI
GMP11	GMP		12:32	74.7	30.15	Ø.1	Ø.Ø	2.6	10.2	Ø	1.7	Ø			Ø	Daily ROI
GMP01A	GMP		12:51	74.5	30.15	0.1	Ø.1	4.8	14.0	2	Ø	Ø			.08	Daily ROI
GMP02A	GMP		12:53	70.1	30.15	0.1	Ø.Ø	2.3	17.0	0	Ø	Ø			.02	Daily ROI
PV-1	~~Hydrosil~~		12:37		30.15	0.1	0.0	2.6	10.8	Ø	Ø	Ø				Passive System
PV-1	~~Carbon 1~~				30.15	0.1	0.0	2.6	11.5	0	Ø.Ø	Ø				Passive System
PV-1	Influent		12:47	—	30.15	0.1	0.Ø	0.0	21.1	Ø	8.6	Ø				Passive System
Ex1	Well		1:24	70.3	30.15	Ø.1	Ø.Ø	Ø.1	21.3	Ø	Ø	Ø			0	After shutdown
PV-1	Carb 1		12:41	—	30.15	Ø.1	Ø.Ø	Ø.Ø	21.3	Ø	Ø	Ø			—	
PV-1	hydrosorb		12:37	—	30.15	Ø.1	Ø.Ø	Ø.Ø	21.5	Ø	Ø	Ø			—	

EX-3 Start-up
EX-2 shut-down

Name: Greg Mason, John Adams, James Medley
Date: 5-Dec-02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex-3 Recovery Blower #1 Loc/ flowrate (cfm)	EX-3 ~~Ex-2~~ Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
~~GMP02A~~	~~GMP~~															Daily and prelim
~~GMP01A~~	~~GMP~~															Daily and prelim
GMP12	GMP	11	1123	70.5	30.09	0	0	1.1	19.8	0	0	0	30	50	0.10	Daily ROI
~~GMP15~~	~~GMP~~															Daily and prelim
~~GMP14~~	~~GMP~~															Daily and prelim
~~EX4~~	~~Well~~															Daily and prelim
~~GMP22~~	~~GMP~~															Daily and prelim
EX1	Well	-	1217	70.3	30.09	0	0	0.1	21.3	0	0	0	40		0.09	Daily
EX2	Hydrosil	12	1316	—			2.5	6.7	11.5	50	0	0	50	50	—	
EX2	Carbon 1		1318	—			2.3	6.9	11.3	46	0	0	50	50	—	
EX2	Influent		1322	—			2.5	7.1	10.9	51	6.5	0	50	50	—	Shutdown 1325
EX2	Well		1328	78.8			0	0.1	21.0	0	0	0	50	—	0.0	After Shutdown
~~GMP23~~	~~GMP~~															
~~EX5~~	~~Well~~															
~~GMP03A~~	~~GMP~~															
EX3	Well		08:55	59.7	30.10	-0.0	0.5	5.8	6.4	9	283	0	—	50	.04	Daily and prelim
EX3	Hydrosil		09:01	—	30.10	-0.0	0.7	7.8	2.2	13	0	0	20		—	~~Methane Breakthrough~~ Summa filling
EX3	Carbon 1		09:05	—	30.10	-0.0	0.7	8.3	1.6	15	0	0	20		—	09:00 started system
EX3	Influent		09:09	—	30.10	-0.0	0.8	8.1	1.1	15	6.2	0	20		—	Summa
EX4	Well		09:23	60.8	30.10	-0.0	0.8	6.7	0.9	16	41.4	0	—		.08	
GMP23	GMP		09:30	64.5	30.09	-0.0	0.8	6.6	0.0	16	67.6	0			.02	
EX5	EX5		09:38	60.6	30.09	-0.0	1.3	5.8	0.0	25	50.1	0			0	
GMP03A	GMP		09:45	56.9	30.09	-0.0	0	8.0	6.1	0	0	0			0	
GMP15	GMP		09:59	55.8	30.09	-0.0	0	2.8	17.1	0	0	0			.01	
GMP14	GMP		09:52	56.5	30.09	-0.0	0	0.1	20.8	0	0	0			0	
GMP02A	GMP		10:19	64.0	30.09	-0.0	0	2.5	16.0	0	0	0			.06	
GMP01A	GMP		10:12	64.2	30.09	-0.0	0	0	21.1	0	0	0	—		.07	
EX 3	hydrosil		10:25	—	30.09	-0.0	0.4	7.9	3.0	7	0	0	30		—	Increased flow
EX 3	carbon 1		10:28	—	30.09	-0.0	0.4	7.9	3.2	7	0	0	30		—	
EX 3	Influent		10:31	—	30.09	-0.0	0.4	7.8	4.5	8	58.9	0	30		—	
EX 4	well		10:34	57.6	30.09	-0.0	0.8	6.4	2.1	15	41.4	0	—		.12	
GMP 23	GMP		10:38	57.9	30.09	-0.0	0.9	6.6	0.1	17	85.0	0			0	
EX 5	well		10:42	66.9	30.09	-0.0	1.3	5.8	0	25	50.1	0			0	
GMP 03A	GMP		10:47	60.4	30.09	-0.0	0.1	9.0	4.6	2	6.5	0			0	
GMP 15	GMP		11:09	61.5	30.09	-0.0	0	2.8	17.4	0	0	0			0	
GMP 14	GMP		10:57	60.2	30.09	-0.0	0	0.1	21	0	0	0	0		0	
GMP 02A	GMP		1117	68.4	30.09	0	0	2.7	16.2	0	0	0			0.10	
GMP 1A	GMP		1110	70.9	30.09	-0.0	0.3	5.7	14.9	7	0	0			0.08	

Preliminary monitoring of EX3 ROI wells not conducted

Name: Greg Mason, John Adams, James Medley
Date: 5-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID		EX-3			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
~~EX-3~~	~~hydrosil~~												40			
~~EX-3~~	~~GMP 1~~												40			
~~EX-3~~	~~Influent~~												40			
EX-4	Well	-	1130	68.2	30.09	Ø	Ø.8	6.6	3.4	15	37.0	0	40	50	0.08	
GMP 23	GMP	-	1135	69.6	30.09	Ø	Ø.9	6.5	0.3	18	30.7	Ø			0.03	
EX-5	Well	-	1141	73.8	30.09	0	1.3	5.7	0.3	25	36.5	Ø			Ø	
GMP 03A	GMP	-	1145	66.0	30.09	0	0.2	9.8	3.7	3	10.9	0			Ø	
GMP 15	GMP	-	1156	76.6			0	2.7	~~19.8~~	0	0	0			Ø	O_2=17.4
GMP 14	GMP	-	1150	63.4			0	0.1	21.2	0	0	0			Ø	
GMP-02A	GMP	-	1212	75.9			0	2.7	16.2	0	0	0			0.06	
GMP-01A	GMP	-	1207	76.0			1.6	7.0	12.6	31	0	0			0.07	
~~EX-3~~	~~hydrosil~~												50			
~~EX-3~~	~~GMP 1~~												50			
~~EX-3~~	~~Influent~~												50			
EX-4	Well	-	1223	70.3	30.09	0	Ø.7	5.7	4.4	13	45.8	0	50		0.10	
GMP-23	GMP	-	1230	71.4	30.09	0	Ø.9	6.3	0.6	17	76.3	0			0	
EX-5	Well	-	1235	84.1	30.09	0	1.2	5.6	0.6	23	23.9	0			0	
GMP 03A	GMP	-	1241	63.5	30.09	0	Ø.3	10.9	1.9	5	15.2	0			0	
GMP 15	GMP	-	1247	64.0	30.09	0	Ø	2.7	17.6	0	0	0			0	
GMP 14	GMP	-	1253	63.2	30.09	0	Ø	0.1	21.2	0	0	0			0	
GMP 02A	GMP	-	1302	76.1	30.09	0	0	2.7	16.6	0	0	0			~~0.08~~ 0.11	
GMP 01A	GMP	-	1308	76.6	30.09	0	0	0	21.7	0	0	0			0.08	
GMP 22	GMP		10.05	62.4	30.09	-0.0	0.6	10.1	3.2	1	0	Ø	20		.11	hourly
~~GMP 23~~	~~GMP~~												30			hourly
GMP 22	GMP												40			hourly
~~GMP 22~~	~~GMP~~												50			hourly
PV-1	Hydro		1200	-	30.09	0	0	0	21.4	0	0	0	40	50		
PV-1	Carbon 1		~~1200~~ 1202	-			0	0	21.3	0	0	0	40	50		
PV-1	Influent		1204	-			0	0	21.2	0	10.9	0	40	50		

Ex-4 start-up

Name: Greg Mason, John Adams, ~~James Medley~~
Date: ~~5 Dec 02~~ 6 DEC 02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Ex-3 Recovery Blower #1 Loc/ flowrate (cfm)	Ex-4 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP 23	GMP		09:57	57.0	29.96	-0.0	0.9	6.6	0	18	122.4	Ø			0	Prior
EX-5	well		10:02	58.6	29.96	-0.0	1.3	5.9	0	26	82.7	Ø				Valve broke off
EX-6	well		10:22	57.2	29.94	-0.0	0	0.1	20.7	0	Ø	Ø			.08	Fixed it
EX-2	well		09:33	59.6	29.96	-0.0	0.[illegible]	1.9	17.6	11	Ø	Ø			.06	
GMP 1A	GMP		0902	56.4	29.96	-0.0	0.2[illegible]	16.8	12.9	0	Ø	Ø			.05	
GMP 2A	GMP		09:17	59.0	29.96	-0.0	Ø	3.7	13.7	Ø	Ø	Ø			.04	
GMP 3A	GMP		10:06	56.8	29.96	-0.0	0	0.8	5.2	Ø	Ø	Ø			0	
GMP 24	GMP		10:26	59.1	29.94	-0.0	2.1	13.3	0	42	49.6	0			0	Daily
GMP 14	GMP		10:35	56.5	29.94	-0.0	0	0.1	20.6	0	0	0			.12	
EX-4	well		09:48	59.0	29.96	-0.0	1.1	6.8	1.3	21	43.0	Ø				
GMP 15			10:42	56.1	29.94	-0.0	0	2.8	17.1	0	0	0				Passive system
P 1	hydrosil		09:21	—	29.96	-0.0	Ø	Ø	21.0	Ø	Ø	Ø				get higher readings when system valves closed
P 1	carbosil		09:23	—	29.96	-0.0	Ø	Ø	21.1	Ø	Ø	Ø				
P 1	INF		09:25	60 —	29.96	-0.0	8.9	6.9	14.4	>100	Ø	Ø				
				6												
GMP-22	GMP		09:29	61.5	29.96	-0.0	0.5	9.6	4.3	9	0	0			0.1	Daily
EX 3	hydrosil		09:40	—	29.96	-0.0	2.1	6.4	9.5	40	Ø	Ø	50			
EX 3	carbosil		09:42	—	29.96	-0.0	2.0	5.8	10.9	40	Ø	Ø	50			
EX 3	INF		09:45	—	29.96	-0.0	2.1	6.5	9.1	41	24.1	Ø	50			
EX-4	hydrosil		10:52	—	29.94	-0.0	0.7	3.7	4.1	15	0	0		20		Started system
EX-4	carbosil		10:53	—	29.94	-0.0	0.1	5.9	7.4	14	0	0		20		Smokes in FLEFF
EX-4	INF		10:56	—	29.94	-0.0	0.2	6.1	3.7	15	490	0		20		
EX-5	well		11:10	61.3	29.94	-0.0	1.4	5.9	0	26	76.1	0			.04	
GMP-3A			11:12	58.3	29.94	-0.0	0.2	11.1	2.2	3	16.5	0			0	
EX-6			11:16	59.0	29.94	-0.0	0.2	1.4	16.7	4	9.9	0			.02	
GMP 24			11:19	60.1	29.94	-0.0	2.1	13.3	0	41	16.5	Ø			0	
~~GMP 3A~~															~~.02~~	0.1
GMP 2A			11:31	59.5	29.94	-0.0	0	1.6	19.6	0	0	0			~~.04~~	.02
GMP 1A			11:26	59.4	29.94	-0.0	0.5	6.2	12.1	7	0	0			.04	
GMP 23	GMP		11:00	59.7	29.94	-0.0	0.6	6.1	1.6	12	33	0				
GMP 15			11:45	58.1	29.94	-0.0	0	2.8	17.3	0	0	0			.04	
EX-2			11:39	60.1	29.94	-0.0	0.4	1.6	18.1	8	3.3	0			.08	

Ex-4 start-up

Name: Greg Mason, John Adams, ~~James Medley~~

Date:

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Ex-4 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP 23			11:50	58.5	29.94	-0.0	0.7	6.5	0.5	14	95.9	0		30	.12	
Ex-5			11:56	62.1	29.94	-0.0	1.2	5.5	2.1	22	69.5	0		30	.04	
GMP 3A			11:59	58.1	29.94	-0.0	0.1	11.0	2.0	2	16.5	0		30	.03	
GMP 24			12:06	60.8	29.94	-0.0	2.0	13.4	0.4	40	43.0	0		30	.02	
Ex 6			12:03	60.3	29.94	-0.0	0.3	2.1	14.2	6	16.5	0		30	0	
GMP 01A			12:14	60.4	29.94	-0.0	0	0	21.2	0	0	0		30	.08	
GMP 02A			12:17	60.4	29.94	-0.0	0	0	21.3	0	0	0			.10	
Ex 2			12:09	62.2	29.94	-0.0	0.4	1.7	18.0	9	[illegible]	0			.04	VOCs 0
GMP-15			12:22	59.7	29.94	-0.0	0	2.8	17.3	0	0	0			0	
GMP-23			12:32	63.0	29.88	-0.0	0.7	6.5	1.4	14	82.9	0		40	0.1	Lower VOCs
Ex-5			12:37	60.4	29.88	-0.0	1.1	5.5	1.6	22	49.6	0			.02	
GMP 3A			12:40	61.0	29.88	-0.0	0.1	9.0	5.5	1	16.5	0			.02	
Ex-6			12:44	61.9	29.86	-0.0	0.4	2.3	13.5	7	16.5	0			.02	
GMP 24			12:46	61.5	29.88	-0.0	2.1	13.1	0.5	42	23.1	0			.03	
GMP 01A			12:51	63.5	29.86	-0.0	0	0	21.2	0	0	0			.08	
GMP 02A			12:55	63.3	29.88	-0.0	0	0	21.3	0	0	0			.06	
Ex 2			12:48	63.0	29.88	-0.0	0.3	1.4	18.5	6	3.3	0			.12	
GMP 15			1:02	60.8	29.88	-0.0	0	2.8	17.3	0	0	0			0	
GMP 23			1:12	61.2	29.88	-0.0	0.7	6.5	0.4	13	82.7	0		50	.14	
Ex-5			1:17	61.7	29.88	-0.0	1.2	5.7	1.2	24	49.6	0			.02	
GMP 3A			1:24	61.0	29.88	-0.0	0.2	11.2	3.0	3	16.5	0			.02	
GMP 24			1:31	61.1	29.89	-0.0	2.0	13.0	0.7	39	29.7	0			0	
Ex-6			1:27	61.2	29.86	-0.0	0.4	2.5	12.7	8	16.5	0			0	
GMP 01A			1:37	62.6	29.86	-0.0	0	0	21.3	0	0	0			.06	
GMP 02A			1:42	61.9	29.86	-0.0	0	0	21.3	0	0	0			.02	
Ex 2			1:33	61.7	29.86	-0.0	0.3	1.2	19.3	6	0	0			0.1	
GMP 15			1:48	60.8	29.86	-0.0	0	2.8	17.3	0	0	0			0	

Name: 12/12/02
Date: MEDLEY ; LI

DAILY FOR EX-3 & EX-4

Performance Monitoring Log

Sampling Location							GEM2000				PID		EX3	EX4		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		0948	61.4	30.08	0	0.0	2.8	17.2	0	0	0	50	50	0	Rainy day - PID sensitive to moisture.
GMP14	GMP		0952	60.6	30.08	0	0.0	0.1	20.4	0	0	0			0	
EX-2	EX-WELL		1002	59.4	30.08	0	0.1	1.7	17.3	1	2.6	2.6			0.09	
EX-3	HYDROSIL		1008				1.9	6.6	10.8	38	0	0				
EX-3	CARBON		1010				1.9	6.9	10.4	38	0	0				
EX-3	INFLUENT		1012				1.9	6.8	10.8	38	0	0				
EX-4	HYDROSIL		1018				0.1	2.4	16.1	1	0	0				
EX-4	CARBON		1020				0.0	2.6	15.8	0	0	0				
EX-4	INFLUENT		1022				0.1	2.8	15.0	60	13.1	0				
GMP23	GMP		1027	59.3			0.4	5.6	6.4	6	0.0	0.00			0.22	
EX5	WELL		1032	[illegible]	30.06		0.9	6.3	1.3	17	55.2	0.00			0.05	
GMP03A	GMP		1036	59.4			0.0	3.6	16.4	0	0.0	0.0			0.02	
EX6	WELL		1038	60.4			0.3	1.9	14.6	5	7.8	0.0			0.00	
GMP24	GMP		1042	61.0			2.1	13.3	0.2	41	0.0	0.0			0.0	
~~EX7~~	~~WELL~~	GMP														
GMP01A	GMP		1048	59.6			0.6	10.0	11.0	12	0.0	0.0			0.05	
GMP02A	GMP		1055	59.0			0.0	2.3	16.8	0	0.0	0.0			0.12	
PV-1	Hydrosil		1540	–	30.07	0	0	0	20.7	0	0	0			–	
PV-1	Carbon 1		1544	–			0	0	20.8	0	0	0			–	
PV-1	Influent		1548	–			0.5	0.5	20.3	0	0	0			–	
GMP12	GMP		1556	65.8			0	1.6	19.2	0	0	0			0	
EX1	Well		1606	63.9			0	4.4	7.7	0	2.6	0			0.02	

EX3 Pressure Difference INF 11.25
after carbon 10.0

EX4 PRESSURE DIFFERENCE INFLUENT 10
after carbon 9.5

Name: Greg John

Date: 10-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		1:38	63.9	30.17	0.0	0	2.5	18.2	0	0	0	EX3/50	EX4/50	0	Daily ROI
GMP14	GMP		1:31	65.7	30.17	0.0	0	0	21.5	0	0	0	EX3/50	EX4/50	0	Daily ROI
EX2	Well		11:38	69.6	30.17	0.0	0.2	6.8	10.0	4	0	0	EX3/50	EX4/50	0.02	Daily ROI
EX3	Hydrosil		10:46		30.18	0.5	1.5	7.3	9.9	28	0	0	EX3/50	EX4/50		Daily ROI
EX3	Carbon 1		10:45		30.18	0.5	1.4	7.2	10.2	29	0	0	EX3/50	EX4/50		Daily ROI
EX3	Influent		10:51		30.18	0.5	1.4	7.1	10.3	28	0	0	EX3/50	EX4/50		Daily ROI
EX4	Hydrosil		10:57		30.18	0.5	0	2.5	16.2	0	0	0	EX3/50	EX4/50		Daily ROI
EX4	Carbon 1		10 59		30.17	0.0	0	2.3	16.1	0	0	0	EX3/50	EX4/50		Daily ROI
EX4	Influent		11.04		30.17	0.0	0	2.3	16.3	0	0	0	EX3/50	EX4/50		Daily ROI
GMP23	GMP		11:08	67.8	30.17	0.0	0.2	5.2	8.4	4	0	0	EX3/50	EX4/50	0.2	Daily ROI
EX5	Well		11:16	71.6	30.17	0.0	0.6	5.8	2.5	11	0	0	EX3/50	EX4/50	0.08	Daily ROI
GMP03A	GMP		11:20	67.2	30.17	0.0	0	0.8	19.7	0	0	0	EX3/50	EX4/50	0	Daily ROI
EX6	Well		11:23	66.0	30.17	0.0	0.5	3.2	10.3	8	0	0	EX3/50	EX4/50	0.02	Daily ROI
GMP24	GMP		11:33	69.4	30.17	0.0	2.0	13.1	0.3	40	0	0	EX3/50	EX4/50	0.02	Daily ROI
GMP01A	GMP		12:02	75.4	30.17	0.0	0	0.2	21.4	0	0	0	EX3/50	EX4/50	0.08	Daily ROI
GMP02A	GMP		12 09	68.9	30.17	0.0	0	0	21.6	0	0	0	EX3/50	EX4/50	0.06	Daily ROI
GMP12	GMP		11:46	73.6	30.17	0.0	0.0	1.4	19.7	0	0	0	EX3/50	EX4/50	0.02	Daily
EX1	Well		1:13	63.7	30.17	0.0	0	4.2	6.1	0	0	0	EX3/50	EX4/50	0.12	Daily
PV-1	Hydrosil		11:53	—	30.17	0.0	0	0	21.4	0	0	0	EX3/50	EX4/50	—	Daily
PV-1	Carbon 1		11 55	—	30.17	0.0	0	0	21.3	0	0	0	EX3/50	EX4/50	—	Daily
PV-1	Influent		11:58	—	30.17	0.0	2.5	3.3	17.6	50	0	0	EX3/50	EX4/50	—	Daily
~~GMP.15~~	~~GMP~~															~~Daily~~
~~EX 2~~	~~Well~~		~~11:38~~	~~69.6~~	~~30.17~~	~~0.0~~	~~0.2~~	~~6.8~~	~~10.0~~	~~4~~	~~0~~	~~0~~				~~Daily~~

Liquid K.O. 1/4 full

Passive system
some GMPs

Name: Grey Mason John Adams
Date: 12/10/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-2	hydrosil		12:14		30.17	0.0	9.2	13.2	15.9	>100	0	0				
PV-2	carbon 1		12:16		30.17	0.0	8.0	15.0	16.5	>100	0	0				
PV-2	INF		12:18		30.17	0.0	0	0	21.9	0	0	0				
						~~0.0~~										
PV-3	hydrosil		12:25		30.17	0.0	0.5	2.1	8.7	10	0	0				
PV-3	carbon 1		12:27		30.17	0.0	2.9	9.1	6.3	57	0	0				
PV-3	INF		12:32		30.17	0.0	9.4	13.4	5.4	>100	0	0				
PV-4	hydrosil		12:34		30.17	0.0	2.8	3.6	19.8	57	0	0				
PV-4	carbon 1		12:37		30.17	0.0	7.1	9.0	16.8	>100	0	0				
PV-4	INF		12:39		30.17	0.0	7.4	7.9	17.1	>100	0	0				
GMP-7A	GMP		12:45	66.7	30.17	0.0	0	9.5	6.9	0	0	0				
GMP-6B	GMP		12:53	67.6	30.17	0.0	0	4.9	6.2	0	0	0				
GMP-5B	GMP		12:58	66.4	30.17	0.0	0	4.8	9.8	0	0	0				
GMP 4A	GMP		1:09	66.9	30.17	0.0	0	12.3	2.3	0	0	0				

Daily

Name: Gry Mason

Date: 11-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		11:20	62.2	30.19	0.1	0	2.5	18.4	0	0	0	EX3/50	EX4/50	0	Daily ROI
GMP14	GMP		11:12	63.1	30.19	0.1	0	0.1	21.4	0	0	0	EX3/50	EX4/50	0	Daily ROI
EX2	Well		11:04	62.1	30.19	0.1	0.5	6.9	9.4	9	0	0	EX3/50	EX4/50	0.07	Daily ROI
EX3	Hydrosil		09:30		30.20	-0.0	1.7	7.1	10.4	33	0	0	EX3/50	EX4/50		Daily ROI
EX3	Carbon 1		09:30		30.20	-0.0	1.8	7.2	10.2	36	0	0	EX3/50	EX4/50		Daily ROI
EX3	Influent		09:41		30.20	-0.0	1.9	7.3	10.1	37	0	0	EX3/50	EX4/50		Daily ROI
EX4	Hydrosil		09:47		30.20	-0.0	0	2.1	16.9	0	0	0	EX3/50	EX4/50		Daily ROI
EX4	Carbon 1		09:53		30.20	-0.0	0	2.3	16.6	0	0	0	EX3/50	EX4/50		Daily ROI
EX4	Influent		09:57		30.20	-0.0	0.1	2.3	16.5	1	0	0	EX3/50	EX4/50		Daily ROI
GMP23	GMP		09:59	59.7	30.20	-0.0	0.1	5.1	9.3	2	0	0	EX3/50	EX4/50	0.12	Daily ROI
EX5	Well		10:05	66.7	30.20	-0.0	0.4	6.2	2.6	8	0	0	EX3/50	EX4/50	0	Daily ROI
GMP03A	GMP		10:11	62.6	30.20	-0.0	0.1	4.6	14.3	0	0	0	EX3/50	EX4/50	0	Daily ROI
EX6	Well		10:18	65.4	30.20	-0.0	0.1	1.3	16.0	2	0	0	EX3/50	EX4/50	0	Daily ROI
GMP24	GMP		10:24	65.5	30.19	0.0	0.1	0.9	17.9	2	0	0	EX3/50	EX4/50	0	Daily ROI
GMP01A	GMP		10:29	70.1	30.19	0.0	0	1.0	20.0	0	0	0	EX3/50	EX4/50	0.05	Daily ROI
GMP02A	GMP		10:36	70.2	30.19	0.0	0	1.8	19.1	0	0	0	EX3/50	EX4/50	0.10	Daily ROI
GMP12	GMP		10:52	64.4	30.19	0.1	0	1.3	19.6	0	0	0	EX3/50	EX4/50	0.04	Daily
EX1	Well		10:58	61.9	30.19	0.1	0	4.8	6.8	0	0	0	EX3/50	EX4/50	0.07	Daily
PV-1	Hydrosil		10:43	—	30.19	0.0	0	0	20.9	0	0	0	EX3/50	EX4/50	—	Daily
PV-1	Carbon 1		10:45	—	30.19	0.0	0	0	20.7	0	0	0	EX3/50	EX4/50	—	Daily
PV-1	Influent		10:47	—	30.19	0.0	0	0	20.8	0	0	0	EX3/50	EX4/50	—	Daily

Name: James Medley
Date: 12-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		0830	57.4	30.15	0	0	2.6	17.8	0	0	0	EX3/50	EX4/50	0	Daily ROI
GMP14	GMP		0837	58.3	30.15	0	0	0.1	20.7	0	0	0	EX3/50	EX4/50	0	Daily ROI
EX2	Well		0844	60.1	30.15	0	0.5	7.5	7.4	10	15.1	0	EX3/50	EX4/50	0.07	Daily ROI
EX3	Hydrosil		~~0850~~ 0904		30.15	0	2.2	7.0	10.6	44	0	0	EX3/50	EX4/50		Daily ROI
EX3	Carbon 1		0907				2.3	7.6	9.4	46	0	0	EX3/50	EX4/50		Daily ROI
EX3	Influent		0910				2.3	7.3	10.3	46	3.1	0	EX3/50	EX4/50		Daily ROI
EX4	Hydrosil		0915				0	2.0	17.1	0	0	0	EX3/50	EX4/50		Daily ROI
EX4	Carbon 1		0918				0	2.1	17.1	0	0	0	EX3/50	EX4/50		Daily ROI
EX4	Influent		0921				0	2.3	16.8	0	25.4	0	EX3/50	EX4/50		Daily ROI
GMP23	GMP		0929	60.4			0.2	5.0	9.2	3	0	0	EX3/50	EX4/50	0.20	Daily ROI
EX5	Well		0937	60.8			0.1	3.3	11.6	2	353	0	EX3/50	EX4/50	0.04	Daily ROI
GMP03A	GMP		0944	60.5			0	2.5	18.2	0	0	0	EX3/50	EX4/50	0.02	Daily ROI
EX6	Well		0951	62.1			0	0.2	19.9	0	0	0	EX3/50	EX4/50	0.02	Daily ROI
GMP24	GMP		0957	62.9			1.5	7.5	3.8	29	9.6	0	EX3/50	EX4/50	0.02	Daily ROI
GMP01A	GMP		1107	70.7	30.10	0	0.2	5.8	13.2	3	0	0	EX3/50	EX4/50	0.10	Daily ROI
GMP02A	GMP		1120	69.8	30.10	0	0	1.8	19.2	0	0	0	EX3/50	EX4/50	0.19	Daily ROI
GMP12	GMP		1120	68.7	30.10	0	0	1.1	20.0	0		0	EX3/50	EX4/50	0.02	Daily
EX1	Well		0856	62.0	30.15	0	0	5.7	4.6	0	5.0	0	EX3/50	EX4/50	0.05	Daily
PV-1	Hydrosil		1112	–	30.10	0	0	0	21.2	0	0	0	EX3/50	EX4/50	–	Daily
PV-1	Carbon 1		1114	–			0	0	21.0	0	0	0	EX3/50	EX4/50	–	Daily
PV-1	Influent		1116	–			0	0	21.2	0	3.8	0	EX3/50	EX4/50	–	Daily
GMP22	GMP	–	0850	59.6	30.15	0	0.1	7.4	6.6	2	0	0			0.10	Weekly
EX7	Well	–	1004	64.0	30.15	0	0.6	14.9	0	11	15.1	0			0	
GMP25	GMP	–	1011	63.8			0.1	12.8	0	1	14.9	0			0	
EX8	Well	–	1017	61.4			0.3	14.3	2.8	6	6.3	0			0	
EX9	Well	–	1023	64.0			1.0	12.3	0.1	19	0	0			0	
GMP26	GMP	–	1029	62.4			0	9.7	5.0	0	0	0			0	
EX10	Well	–	1046	64.1			0	4.4	10.7	0	0	0			0	
EX4	Well	–	1395	73.6	30.05	0.1	0	0.1	21.3	0	0	0	EX3/70	–	0.39	After shutdown at 13:00

Name: James Medley, John Adams
Date: 13-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		827	55.1	29.96	-0.1	0	3.4	17.4	0	0	0			0	
GMP14	GMP		835	56.3	↓	↓	0	0.6	19.9	0	0	0			0	
GMP02A	GMP		918	59.7	29.96	-0.1	0.2	0.6	10.3	4	0	0			0.2	
GMP01A	GMP		928	60.1	29.96	-0.1	0	0	20.9	0	0	0			0.2	
EX2	Well		944	59.4	29.96	-0.1	0.6	3.3	14.8	11	3.1	0			0.27	
EX3	Hydrosil		946	—	29.96	-0.1	3.8	7.4	10.3	76	0	0			—	
EX3	Carbon 1		948	—	29.96	-0.1	3.4	6.3	11.4	68	0	0			—	
EX3	Influent		950	—	29.96	-0.1	3.8	6.9	11	75	4.4	0			—	
GMP23	GMP														—	Well completely underwater
EX5	Well		1004	58.7	29.96	-0.1	0.3	6	2.7	6	-	-			0.02	See note below
GMP03A	GMP		1012	57.3			0	9.1	3.3	0	-	-			0	See note below
EX4	Well		957	56.6			0.3	3.5	8.8	6	-	-			0.24	See note below
GMP12	GMP		909	57.1			0.1	1.7	16.8	2	0	0			.15	
PV-1	Hydrosil		937	—			0	0	20.7	0	0	0			—	
PV-1	Carbon 1		940	—			0	0	20.8	0	0	0			—	
PV-1	Influent		942	—			1.6	1.5	20.0	31	5.1	0			—	
GMP22	GMP		0852	57.9			0.4	11.1	1.[illegible]	3	0	0			.24	O_2 = 1.4
Ex1	Well		859	61.2	↓	↓	0	6	4.2	0	0	0			0.20	
			OVM malfunctioned due to water in the meter after monitoring at													
			EX3.													

Name: [redacted]. LI ; JAMES MEDLEY ; JOHN ADAMS
Date: 16-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		0958	64.2	29.55	0	10.0	1.6	18.5	0	0	0	EX3/70			Daily EX3
GMP14	GMP		0952	66.2	29.55	0	0.0	0.2	22.2	0	0	0	EX3/70		0.0	Daily EX3
EX2	Well		0904	62.2	29.55	1.5	9.0	11.2	1.1	>100	17.2	0	EX3/70		0.0	Daily EX3
GMP22	GMP		0908	61.7	"	"	0.4	12.2	0.7	9	5.8	0	EX3/70		[illegible]	Daily EX3
EX1	Well		0914	62.6	"	"	0.0	5.6	2.8	0	6.1	0	EX3/70		0.14	Daily
GMP12	GMP		1030		29.55	0.0	[illegible]	3.6	[illegible]	[illegible]	0	0	EX3/70		0.06	Daily
PV-1	Hydrosil		1028		29.55	0.0	47.6	26.5	0.5	>100	0	0	EX3/70			Daily
PV-1	Carbon 1		1026		29.55	0.0	45.5	26.7	0.0	>100	0	0	EX3/70			Daily
PV-1	Influent		1024		29.55	0.0	34.8	23.0	0.3	>100	0	0	EX3/70			Daily
GMP01A	GMP		1017	64.0	29.55	0.0	40.0	23.6	0.5	>100	0	0	EX3/70		0.16	Daily EX3
GMP02A	GMP		1012	62.8	29.55	0.0	8.3	2.4	5.9	>100	0	0	EX3/70		0.15	Daily EX3
EX3	Hydrosil		0845		29.55	1.5	6.0	8.4	8.5	>100	0	0	EX3/70			Daily EX3
EX3	Carbon 1		~~0850~~		29.55	1.5	6.3	8.3	8.3	>100	0	0	EX3/70			Daily EX3
EX3	Influent		0853		29.55	1.5	6.3	8.4	8.1	>100	0	0	EX3/70			Daily EX3
EX4	Well		0920	60.8	29.55	1.5	0.2	3.0	6.6	3	38.0	0	EX3/70		0.36	Daily EX3
GMP23	GMP		0927	59.5	29.55	1.5	0.4	5.1	2.8	9	112.3	0	EX3/70		0.0	Daily EX3
EX5	Well		0930	59.8	29.55	1.5	0.4	6.2	0.9	7	46.8	0	EX3/70		0.0	Daily EX3
GMP03A	GMP		0936	61.0	29.55	1.5	0.0	2.6	11.0	0	0.0	0	EX3/70		0.06	Daily EX3

Page 1/2

Name: James Medley, John Adams
Date: 17-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP		920	57.0	29.88	+0.1	0	1.4	19.3	0	0	0	EX3/70	—	0	daily
GMP14	GMP		936	54.3	29.88	+0.1	0	0.2	20.8	0	0	0	EX3/70	—	0	daily
~~EX2~~	~~Well~~		~~944~~	~~54.1~~			~~0~~	~~6.3~~	~~0.4~~	~~0~~	~~12.3~~	~~0~~	~~EX3/70~~		~~0~~	~~daily~~ J t/m
GMP22	GMP		953	54.3	29.88	+0.1	0.2	11.2	0	4	137.1	0	EX3/70	—	0.02	daily
EX1	Well		944	54.1	29.88	0.1	0	6.3	0.4	0	12.3	0	EX3/70	—	0.09	daily VOC=12.3
GMP12	GMP		1218 1219	66.9			3.0	8.2	0	59	0	0	EX3/70	—	—	daily
PV-1	Hydrosil		1241				12.7	1.0	0.8	>	0	0	EX3/70	—		daily
PV-1	Carbon 1		1243				44.5	20.4	0	>	0	0	EX3/70	—		daily
PV-1	Influent		1245				43.7	32.7	0	>	0.7	0	EX3/70	—		daily
GMP01A	GMP		1212	73.2			18.4	21.0	0	>100	2.3	0.4	EX3/70	—	—	daily
GMP02A	GMP		1206	71.1°F	29.88	0.1	0.1	3.3	9.4	1	0	0	~~EX3/70~~	—	—	daily
~~EX3~~	~~Hydrosil~~												EX3/70	—		daily
EX3	Carbon 1												~~EX3/70~~	—		daily
~~EX3~~	~~Influent~~												EX3/70	—		daily
EX4	Well		1015	57.2	29.88	0.1	0	2.7	8.2	0	101.3	0	~~EX3/70~~	—		daily
GMP23	GMP		1031	54.0	29.88		0.3	5.2	0	5	162.4	0	~~EX3/70~~	—		daily
EX5	Well		1038	56.3	29.88		0.4	6.3	8	7	109.4	0	~~EX3/70~~	—		daily
GMP03A	GMP		1023	54.0	29.88		0	3.8	9.9	0	0.4	0	~~EX3/70~~	—		daily
EX2	Well		959	57.4	29.86	0.1	13.5	12.2	0	>	1.7	0	~~EX3/70~~	—	0.04	
EX3	Well		1008	62.6	29.88	0.1	4.5	3.6	13.3	90	6.4	0	—	—	—	aftershutdown
EX6	Well		1038	55.0	29.88	0.1	0.6	6.3	1.5	12	52.1	0	—	—	—	Weekly
GMP24	GMP		1046	55.6	29.88	0.1	1.6	12.2	0	32	56.7	1.3	—	—	—	Weekly
EX7	Well		1053	66.3	29.88	0.1	0.3	13.7	0	6	31.3	1.6	—	—	—	Weekly
GMP25	GMP		1101	68.2	29.88	0.1	0.1	10.8	0	2	31.5	2.6	—	—	—	Weekly
EX8	Well		1110	67.9	29.88	0.1	0.3	10.0	5.5	5	6.1	1.0	—	—	—	Weekly
EX9	Well		1118	72.9	29.88	0.1	0.7	11.3	[illegible]	14	8.9	0.1	—	—	—	Weekly
GMP26	GMP		1126	71.7	29.88	0.1	0	6.2	2.3	0	1.7	0.4	—	—	—	Weekly
EX10	Well		1358	59.4			0	2.6	5.0	0	0.4	0				Weekly UGF
PV-2	Hydrosil		1250	—			1.8	4.6	19.4	35	0	0	—	—		
PV-2	Carbon 2		1252	—			16.0	13.0	5.6	>	0	0	—	—		
PV-2	Influent		1255	—			18.8	18.4	0	>	0	0	—	—		
PV-3	Hydrosil		1308	—			4.1	10.4	6.4	>	0	0	—	—		
PV-3	Carbon 2		1310	—			9.2	12.6	2.4	>	0	0	—	—		
PV-3	Influent		1312	—			7.5	15.4	0	>	3.6	0	—	—		

Name: James Medley, John Adams
Date:

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydrosil		1326	–	29.88	0.1	44.7	22.1	0.2	>	0	0	–	–	–	
PV-4	Carbon 2		1328	–	29.88	0.1	26.7	12.2	0.0	>	0	0	–	–	–	
PV-4	Effluent		1331	–	29.88	0.1	46.4	25.9	0	>	0	0	–	–	–	

Name: John Adams, James Medley
Date: 18-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID			EX5		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		1102	58.8	30.19	0.1	0	6.4	0.1	0	23.7	0	–	20cfm	0	
GMP22	GMP		1058	58.1			0.3	10.6	0	6	77.8	0	–	20cfm	0	
EX2	Well		1054	57.0			11.4	11.1	0	>	8.0	0	–	20cfm	0	
EX3	Well		848	–	30.19	0.1	11.0	8.4	4.3	>	2.3	0	–	–	–	
EX4	Well		0854	–			0.1	2.9	2.7	2	68.3	0.5	–	–	–	
GMP23	GMP		0904	–			0.2	4.9	0.7	3	91.1	0	–	–	–	
GMP03A	GMP		0859	–			0	3.7	11.6	0	0	0	–	–	–	
EX6	Well		0909	–			0.2	3.5	10.4	4	17.1	0	–	–	–	
GMP24	GMP		0914	–			1.7	12.3	0	33	11.8	0.5	–	–	–	
EX7	Well		0919	–			0.3	13.5	0	6	19.7	0	–	–	–	
GMP04A	GMP		0931	60.8			0	6.7	2.5	0	1.3	0	–	–	–	
GMP02A	GMP		0943	58.1			0	3.8	9.6	0	0.4	0	–	–	–	
GMP01A	GMP		0948	59.5			0.1	17.2	2.4	2	54.4	0	–	–	–	
GMP12	GMP		0959	58.6			3.2	7.1	0	63	5.2	0	–	–	–	
PV-1	Hydrosil		0951	–			0	0	21.6	0	0	0	–	–	–	
PV-1	Carbon 1		0953	–			3.1	10.0	18.7	61	0	0	–	–	–	
PV-1	Influent		0955	–			13.0	12.8	15.8	>	5.3	0	–	–	–	
PV-2	Hydrosil		0936	–	30.19	0.1	0	0	21.2	0	0	0	–	–	–	
PV-2	Carbon 1		0937	–			3.9	8.9	18.7	78	0	0	–	–	–	
PV-2	Influent		0939	–			11.5	10.9	16.4	>	0	0	–	–	–	
EX5	Well		1003	58.1	30.19	0.1	0.4	6.2	0	8	57.4	0	–	–	–	Before startup
EX5	Hydrosil		1013	–			0.3	0.1	0	6	0	0	–	20	–	Startsystem at 1000
EX5	Carbon 1		1015	–			0.3	5.1	0	5	0	0	–		–	
EX5	Influent		1017	–			0.4	6.1	0	7	3.1	0	–		–	
GMP03A	GMP		1020	57.1			0	3.3	13.3	0	0	0	–		0	
EX6	Well		1024	67.5			0.1	1.4	17.0	1	14.9	0	–		0.10	
GMP24	GMP		1028	55.8			1.5	12.1	0	30	0	18.1	–		0.12	$VOCs_B = NOCs = 18.1$
EX7	Well		1033	59.7			0.3	13.1	0	5	45.9	0.4	–		0.04	
GMP23	GMP		1038	54.6			0.1	4.7	0.7	2	51.1	0	–		0.20	
EX4	Well		1044	61.0			0	2.4	5.2	0	65.6	0	–		0.03	

Name: J. Medley, J. Adams
Date: 12/18/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX3	Well	–	1049	67.1	30.19	0.1	10.2	7.5	5.6	>	8.1	0	–	20	0	
GMP02A	GMP	–	1107	64.0	↓	↓	0	3.5	13.2	0	4.7	0	–	20	0	
GMP04A	GMP	–	1112	68.2	↓	↓	0	6.5	26	0	1.1	0	–	20	0	
GMP03A	GMP	–	1137	57.4	↓	↓	0	2.3	16.9	0	0	0	–	35	0	
EX6	Well	–	1120	69.4	30.19	0.1	0.1	1.6	16.5	2	99	0	–	35	0.08	
GMP24	GMP	–	1125	64.6	↓	↓	1.5	11.8	0	30	29.8	0	–	35	0.06	
EX7	Well	–	1131	70.2	↓	↓	0.3	12.9	0	5	27.2	0	–	35	0.03	
GMP23	GMP	–	1143	55.6	↓	↓	0.1	4.6	1.0	2	8.8	0	–	35	0.26	
EX4	Well	–	1151	56.7	↓	↓	0.1	2.6	3.3	1	73.2	0.2	–	35	0.06	
EX3	Well	–	1158	64.0	↓	↓	4.2	3.3	15.0	84	2.4	0.8	–	35	0	
GMP02A	GMP	–	1207	66.2	↓	↓	0	3.2	16.1	0	1.3	0	–	35	0	
GMP04A	GMP	–	1217	63.7	↓	↓	0	6.7	2.2	0	0.7	0.3	–	35	0	
GMP03A	GMP	–	1253	62.2	↓	↓	0	2.2	16.4	0	0	0	–	50	0.02	
EX6	Well	–	1224	67.8	30.19	0.1	0.1	1.4	17.1	2	6.1	0	–	50	0.16	
GMP24	GMP	–	1235	63.3	↓	↓	1.6	12.0	0	32	18.8	0	–	50	0.1	
EX7	Well	–	1245	71.0	↓	↓	0.2	12.6	0	4	23.1	0	–	50	0.09	
GMP23	GMP	–	1300	59.9	↓	↓	0.1	4.5	1.0	2	6.1	0	–	50	0.33	
EX4	Well	–	1310	58.8	↓	↓	0.1	2.5	3.7	2	59.7	0.4	–	50	0.06	
EX3	Well	–	1318	63.0	↓	↓	1.2	8.2	4.4	>	7.7	0	–	50	0	
GMP02A	GMP	–	1328	63.3	↓	↓	0	2.9	17.4	0	0.3	0	–	50	0	
GMP04A	GMP	–	1336	66.7	↓	↓	0	4.2	9.7	0	0	0	–	50	0	
PV-3	Hydrosil	–	1342	–	↓	↓	0.2	0.7	21.0	4	0	0	–	50	–	
PV-3	Carb 1	–	1344	–	↓	↓	4.8	13.2	12.8	95	0	0	–	50	–	
PV-3	Influent	–	1347	–	↓	↓	17.8	17.2	0	>	2.4	0	–	50	–	
PV-4	Hydrosil	–	1353	–	↓	↓	27.3	19.6	0	>	0	0	–	50	–	
PV-4	Carb 1	–	1355	–	↓	↓	28.6	22.3	0	>	0	0	–	50	–	
PV-4	Influent	–	1357	–	↓	↓	36.0	24.0	0	>	26	0	–	50	–	

Weather: very windy, partly cloudy about 50°F

Name: James Medley, John Adams

Date: 19-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID			Ex5		
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		0743	55.8	29.95	0	0	7.0	0	0	9.2	0	—	50	0	
GMP22	GMP		750	54.3	29.92	0	0.4	10.0	0.8	7	118.7	0	—		0	
EX2	Well		757	56.1		0	0.3	11.0	0	>100	5.2	1.7	—		0	
EX3	Well		804	54.7		0	11.1	9.1	2.4	>100	7.9	1.7	—		0	
EX4	Well		811	54.5		0	0	2.6	2.9	0	91.0	1.7	—		0	
~~EX5~~	~~Well~~															
GMP23	GMP		817	54.0	29.92	0	0	2.9	14.2	0	12.7	1.7	—		0.32	
GMP03A	GMP		824	53.8			~~14.5~~	6.5	3.0	>	0	1.7	—		0	CH_4 = 6.1 %
EX6	Well		830	55.1			0	0	20.7	0	0	0.9	—		0.08	
GMP24	GMP		837	55.4			1.7	12.8	0	33	7.9	0	—		0.08	
EX7	Well		843	56.7			0.2	12.9	0	3	17.2	0	—		0	
GMP04A	GMP		926	55.1			0.1	9.3	0.5	2	0.7	0	—		0	
GMP02A	GMP		938	57.8			0	2.9	12.9	0	0	0	—		0	
GMP01A	GMP		943	55.8			2.8	15.2	0	56	0	0	—		0	
GMP12	GMP		955	55.9			1.8	7.6	0	36	4.3	0	—		0	
PV-1	Hydrosil		948	—			41.2	22.4	0	>	0	0	—		—	
PV-1	Carbon 1		949	—			39.9	22.8	0	>	0	0	—		—	
PV-1	Influent		951	—			42.2	22.4	0	>	0	0	—		—	
PV-2	Hydrosil		931	—			9.1	8.4	1.4	>	0	0	—		—	
PV-2	Carbon 1		933	—			21.9	17.0	0	>	0	0	—		—	
PV-2	Influent		935	—			22.7	19.4	0	>	0	0	—		—	
PV-3	Hydrosil		921	—			26.4	14.9	0	>	0	0	—		—	
PV-3	Carbon 1		919	—			27.4	18.5	0	>	0	0	—		—	
PV-3	Influent		923	—			28.1	18.2	0	>	0	0	—		—	
PV-4	~~Hydrosil~~ Carbon 1		912	—			67.8	27.1	0	>	0	0	—		—	
PV-4	~~Carbon 1~~ Hydrosil		914	—			53.1	23.7	0	>	0	0	—		—	
PV-4	Influent		915	—			67.7	28.6	0	>	0	0	—		—	
Ex5	Hydrosil		0850	—			5.2	6.9	8.3	>	0	0	—		—	
Ex5	Carbon 1		0852	—			5.3	6.8	8.3	>	0	0	—		—	
Ex5	Influent		0855	—			5.3	6.8	8.2	>	15.2	0	—		—	

Name: K. HUYNH ; MAR. LI

Date: ~~23 Dec 02~~ 12/21/02 Sat

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		1112	69.5	30.04	-0.2	0.0	4.1	12.1	0	0.2	0.9			0.0	Open
GMP22	GMP		1109	67.5	30.04	-0.2	0.5	11.1	0.0	9	55.3	0.0			0.0	
EX2	Well		1103	59.4	30.04	-0.2	8.4	10.4	0.0	>100	[illegible]	0.0	5.4		0.0	
EX3	Well		1053	61.7	30.04	-0.2	11.2	9.9	2.0	>100	4.4	1.6			0.0	
EX4	Well		1039	58.8	30.04	-0.2	0.0	1.6	9.6	0	[illegible]	71.9			0.18	
GMP23	GMP		1010	56.1	30.04	-0.2	0.0	0.1	21.6	0	66.7	2.6			0.40	Filled w/ water
EX5	Hydrosil		1033	—	30.04	—	2.9	6.2	12.6	58	0.2	1.9		55		valve open
EX5	Carbon 1		1031	—	30.04	—	3.1	6.1	12.6	63	16.1	1.9		55		
EX5	Influent		1027	90.0	30.04	—	3.0	5.8	13.3	57	12.3	1.9		55	—	
GMP03A	GMP		0956	56.0	30.04	-0.2	3.5	11.8	0.4	69	0.0	0.6			0.06	
EX6	Well		0948	56.8	30.04	-0.2	0.4	6.9	5.9	9	38.0	0.0			0.22	Fitting loose - maybe broken
GMP24	GMP		0924	56.8	30.04	-0.2	0.1	12.8	0.8	1	36.9	0.6			0.14	Switch Readings
EX7	Well		0938	57.4	30.04	-0.2	1.5	13.2	0.3	30	43.5	0.2			0.18	for EX7's GMP24
GMP04A	GMP		1201	68.9	30.04	-0.2	0.0	7.6	11.9	0	0.0	0.2			0.0	
GMP02A	GMP		1145	68.9	30.04	-0.2	0.0	0.9	15.3	0	0.0	0.3			0.0	
GMP01A	GMP		1140	68.6	30.04	-0.2	0.0	5.0	8.9	0	0.0	0.0			0.0	
GMP12	GMP		1137	67.2	30.04	-0.2	0.0	6.6	0.4	0	0.0	0.0			0.0	(1129)
PV-1	Hydrosil		1130	—	30.04	-0.2	0.0	0.4	21.3	0	0.0	0.0			—	
PV-1	Carbon 1		1133	—	30.04	-0.2	1.7	12.4	18.6	34	0.0	0.0			—	
PV-1	Influent		1135	—	30.04	-0.2	27.6	19.7	1.1	>100	0.0	0.0			—	
PV-2	Hydrosil		1154	—	30.04	-0.2	0.0	0.2	21.8	0	0.0	0.0			—	
PV-2	Carbon 1		1156	—	30.04	-0.2	2.1	12.6	18.7	42	0.0	0.0			—	
PV-2	Influent		1158	—	30.04	-0.2	17.4	16.6	3.0	>100	0.0	0.0			—	
PV-3	Hydrosil		1211	—	30.04	-0.2	0.0	0.9	21.3	0	0.0	0.0			—	
PV-3	Carbon 1		1213	—	30.04	-0.2	14.6	18.5	13.5	>100	0.0	0.0			—	
PV-3	Influent		1215	—	30.04	-0.2	31.2	20.1	1.6	>100	0.0	0.0			—	
PV-4	Hydrosil		1217	—	30.04	-0.2	0.4	3.4	20.4	8	0.0	0.0			—	
PV-4	Carbon 1		1219	—	30.04	-0.2	22.6	23.8	9.8	>100	0.0	0.0			—	
PV-4	Influent		1221	—	30.04	-0.2	43.3	26.0	0.0	>100	0.0	0.0			—	

FRIDAY - 12/20/02
STORMY, RAINY, 50s, WINDY

MONDAY - 12/23/02
CLEAR, MILD WIND, HIGH 50s - LOW 60S later

Kim: Send Sister

Jeff: Shane Doherty
EQUIPO
1150 Bermuda
Suite B
Concord 94520

Name: MARGARET LI / JOHN ADAMS
Date: 23-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		0840	55.8	30.12	0.1	0.0	1.7	18.5	0	0.2	0			0.0	[illegible]
GMP22	GMP		0850	52.7	30.12	0.1	0.9	10.1	0.0	18	41.1	0			0.0	
EX2	Well		0900	57.2	30.12	0.1	8.5	10.1	0.2	>100	2.3	0			0.02	
EX3	Well		0905	56.7	30.12	0.1	10.0	9.4	2.6	>100	6.4	0			0.02	
EX4	Well		0915	50.6	30.12	0.1	0.0	2.0	5.9	0.0	106.5	0			0.06	
GMP23	GMP		0925	54.2	30.12	0.1	8.9	4.1	10.6	>100	0.2	0			0.32	
EX5	Hydrosil		0940	—	—	—	3.0	5.3	14.3	00	0.0	0		55	~~0.0~~	
EX5	Carbon 1		0943	—	—	—	3.1	5.0	14.8	61	5.1	0			—	RGA
EX5	Influent		0947	—	—	—	3.0	5.2	14.4	59	8.9	0			—	
GMP03A	GMP		0955	50.4	30.12	0.1	0.0	6.4	14.3	0	0.0	0			0.0	no pressure - crack in cap[illegible]
EX6	Well		0953	56.7	30.10	0.0	0.0	0.0	21.4	0	0.0	0			0.12	
GMP24	GMP		1000	56.4	30.10	0.0	0.0	0.0	21.4	0	47.3	0			0.12	
EX7	Well		1009	55.9	30.10	0.0	0.2	13.2	0.3	0	27	2.6			0.10	
GMP04A	GMP		1053	60.1	30.10	0.0	0.0	7.4	9.7	0	0.0	0.0			0.02	
GMP02A	GMP		1047	62.2	30.10	0.0	0.0	1.2	18.0	0	1.2	0.0			0.0	
GMP01A	GMP		~~1030~~ 1040	78.0	30.07	0.1	0.0	5.4	9.9	0	4.4	0.0			0.0	
GMP12	GMP		1030	73.2	30.07	0.1	0.0	6.7	1.0	0.0	3	0.0			0.0	
PV-1	Hydrosil		1035	—	~~30.07~~	~~0.1~~	0.2	2.2	21.1	4	0	0.0			—	
PV-1	Carbon 1		1037	—	~~30.07~~	~~0.1~~	25.5	17.1	12.6	>100	0	0.0			—	
PV-1	Influent		1039	59.0	~~30.07~~	~~0.1~~	20.2	19.5	0.4	>100	5.7	0.0			—	
PV-2	Hydrosil		1043	—	—	—	0.0	0.0	21.6	0	0	0			—	
PV-2	Carbon 1		1045	—	—	—	0.0	2.6	21.2	0	0	0			—	
PV-2	Influent		1047	58.3	—	—	23.0	18.2	1.7	>100	3.7	0			—	
PV-3	Hydrosil		1100	—	30.10	0.0	0.0	0.3	21.4	0	0	0			—	
PV-3	Carbon 1		1102	—	30.10	0.0	3.8	14.1	17.3	76	0	0			—	
PV-3	Influent		1106	71.2	30.10	0.02	2.0	17.7	1.9	0	0.0	0			—	
PV-4	Hydrosil		1113		30.10	0.0	13.9	9.8	14.1	>100	0.0	0			—	
PV-4	Carbon 1		1115		30.10	0.0	34.4	24.2	3.0	>100	0.0	0			—	
PV-4	Influent		1117	63	30.10	0.0	25.8	29.6	0.2	>100	0.0	0			—	

To: Victoria Coker
713-524-9866

Name: John Adams, Ken Huynh
Date: ~~27-Dec-02~~ DEC 24, 2002

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		0923	56.8	30.21	0.1	0.0	3.4	12.4	0	0.7	0.0		EX5/50	0.04	
GMP22	GMP		0926	53.2	30.21	0.1	1.2	10.1	0.0	~~29.7~~	~~0.0~~ 29.7	0.0		EX5/50	0.02	
EX2	Well		0936	52.8	30.21	0.1	10.0	10.0	0.1	>100	3.0	0.0		EX5/50	0.02	
EX3	Well		0940	52.9	30.21	0.1	~~8.5~~ 9.4	~~8.0~~	~~5.7~~	>100	2.6	0.0		EX5/50	0.04	
EX4	Well		0945	53.2	30.21	0.1	0.0	2.0	6.3	0	49.7	0.0		EX5/50	0.02	
GMP23	GMP		0952	51.4	30.21	0.1	0.0	0.0	21.8	0	43.8	0.0		EX5/50	0.34	
EX5	Hydrosil		1000	—	—	—	1.4	4.6	15.6	29	0.0	0.0		EX5/50	—	
EX5	Carbon 1		1004	—	—	—	1.2	4.4	15.7	23	10.4	0.0		EX5/50	—	
EX5	Influent		1008	—	—	—	1.3	4.5	15.4	25	21.2	0.0		EX5/50	—	
GMP03A	GMP		1012	56.4 ~~30.7~~	30.21	0.1	0.0	3.8	19.0	0	7.4	0.0		EX5/50	0.04	
EX6	Well		1016	53.2	30.21	0.1	0.0	0.1	21.6	0	0.0	0.0		EX5/50	0.12	
GMP24	GMP		1022	54.3	↓	↓	0.[illegible]7	14.0	0.0	14	23.8	0.0		EX5/50	0.12	
EX7	Well		1027	56.8	↓	↓	0.2	13.5	0.0	3	14.0	0.0		EX5/50	0.08	
GMP04A	GMP		0858	51.3	30.21	0.1	0.0	6.8	12.5	0	0.0	0.0		EX5/50	0.04	
GMP02A	GMP		0905	51.3	30.21	0.1	0.0	[illegible].3	16.8	0	0.0	0.0		EX5/50	0.02	
GMP01A	GMP		0910	51.6	30.21	0.1	0.0	0.0	22.1	0	0.0	0.0		EX5/50	0.02	
GMP12	GMP		0920	52.5	30.21	0.1	0.0	7.3	1.6	0	0.0	0.0		EX5/50	0.0	
PV-1	Hydrosil		0915	—	30.21	0.1	0.0	0.0	22.2	0	0.0	0.0		EX5/50	—	
PV-1	Carbon 1		0917	—	↓	↓	0.0	7.4	20.6	0	0.0	0.0		EX5/50	—	
PV-1	Influent		0919	—	↓	↓	3.3	9.8	19.5	64	11.9	0.0		EX5/50	—	
PV-2	Hydrosil		0900	—	30.21	0.1	0.0	0.1	22.0	0	0.0	0.0		EX5/50	—	
PV-2	Carbon 1		0902	—	↓	↓	0.0	0.6	22.0	0	0.0	0.0		EX5/50	—	
PV-2	Influent		0904	—	↓	↓	0.0	4.1	21.3	0	1.9	0.0		EX5/50	—	
PV-3	Hydrosil		0850	—	30.19	0.2	0.0	0.0	22.0	0	0.0	0.0		EX5/50	—	
PV-3	Carbon 1		0852	—	↓	↓	0.0	4.1	21.2	0	0.0	0.0		EX5/50	—	
PV-3	Influent		0854	—	↓	↓	0.6	8.4	20.1	12	1.9	0.0		EX5/50	—	
PV-4	Hydrosil		0843	—	30.19	0.2	0.0	0.0	22.0	0	0.2	0.2		EX5/50	—	
PV-4	Carbon 1		0845	—	↓	↓	14.8	14.8	15.4	>100	0.0	0.2		EX5/50	—	
PV-4	Influent		0847	—	↓	↓	38.6	17.8	11.3	>100	0.0	0.0		EX5/50	—	

Name: J. Adams, K. Huynh

Date: 26-Dec-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	5.0 CO2 (GEM %)	5.1 O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well		1110	56.1	30.26	0.2	0.0	~~0.1~~	~~22.7~~	0	0.0	0.0		EX5/50	0.0	
GMP22	GMP		1117	55.8	30.26	0.2	1.6	10.0	0.3	31	17.4	0.0			0.0	Ref P. not functioning properly OK
EX2	Well		1153	58.4	30.20	-0.7	9.6	10.0	0.1	>100	1.6	0.0			0.0	
EX3	Well		1156	54.8	30.20	-0.7	11.6	10.6	0.0	>100	2.3	0.0			0.0	
EX4	Well		1158	56.8	30.20	-0.7	0.0	2.1	5.7	0	43.1	0.0			0.0	
GMP23	GMP		1202	55.0	30.20	-0.7	0.0	0.1	22.4	0	34.3	0.0			0.32	
EX5	Hydrosil		1216	—	—	—	2.8	4.6	15.3	57	0.0	0.0		EX5/50	—	
EX5	Carbon 1		1218	—	—	—	3.0	4.7	15.3	60	4.7	0.0		" "	—	
EX5	Influent		1220	—	—	—	3.0	4.6	15.3	60	6.7	0.0		" "	—	
GMP03A	GMP		1224	57.0	30.20	-0.7	0.0	4.3	17.6	0	0.3	0.0			0.0	
EX6	Well		1410	59.9	30.21	-0.3	0.0	0.3	22.2	0	0.0	0.0			0.12	
GMP24	GMP		1414	59.0	30.21	-0.3	0.04	14.2	0.2	7	31.6	0.0			0.08	
EX7	Well		1418	60.4	30.21	-0.3	0.1	13.8	0.0	2	14.4	0.0			0.08	
GMP04A	GMP		1010	58.5	30.26	0.2	0.0	7.4	9.4	0	0.0	0.0			0.0	← Go back
GMP02A	GMP		1020	58.6	30.26	0.2	0.0	1.5	15.1	0	0.0	0.0			0.02	
GMP01A	GMP		1032	58.1	30.26	0.2	0.0	6.4	9.3	0	0.0	0.0			0.0	
GMP12	GMP		1033	58.1	30.26	0.2	0.0	7.7	2.4	0	0.0	0.0			0.0	
PV-1	Hydrosil		1026	—	—	—	21.9	17.1	1.5	>100	0.0	0.0			—	
PV-1	Carbon 1		1028	—	—	—	16.9	17.5	3.0	>100	0.0	0.0			—	
PV-1	Influent		1030	—	—	—	1.7	9.0	8.1	33	5.7	0.0			—	
PV-2	Hydrosil		1014	—	—	—	1.2	0.1	3.5	23	0.0	0.0			—	
PV-2	Carbon 1		1016	—	—	—	32.3	1.8	5.9	>100	0.0	0.0			—	
PV-2	Influent		1018	—	—	—	7.5	9.4	10.0	>100	0.0	0.0			—	
PV-3	Hydrosil		0956	—	—	—	0.0	0.1	22.4	0	0.0	0.0			—	
PV-3	Carbon 1		0958	—	—	—	3.4	3.7	9.8	66	0.0	0.0			—	
PV-3	Influent		1000	—	—	—	18.6	14.7	3.1	>100	0.0	0.0			—	
PV-4	Hydrosil		0946	—	—	—	57.5	23.8	0.4	>100	0.0	0.0			—	
PV-4	Carbon 1		0948	—	—	—	43.2	23.8	1.4	>100	0.0	0.0			—	
PV-4	Influent		0950	—	—	—	5.6	10.1	8.5	>100	1.0	0.0			—	
GMP07A	GMP	—	0952	58.3	30.26	0.2	0.0	3.7	16.5	0	~~0.8~~	0.0		—	—	Weekly GMP
GMP06B	GMP	—	1002	59.0	30.26	0.2	0.0	0.8	15.2	0	0.0	0.0		—	—	" "
GMP05B	GMP	—	1005	58.6	30.26	0.2	0.0	0.0	19.0	0	0.0	0.0		—	—	" "

Name: James Medley
Date: 12/28/02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX1	Well	–	0758	58.6	29.87	0	0	5.9	2.4	0	2.4	0	–	Ex5/6	0	
GmP22	GMP	–	0925	59.0	29.87	0	1.7	10.4	0.7	33	38.1	0	–		0	
Ex2	Well	–	0934	59.4			9.4	10.1	0	>	5.4	0	–		0	
Ex3	Well	–	0943	58.3			11.8	10.6	0	>	4.2	0	–		0	
Ex4	Well	–	0951	57.9			0	2.1	5.5	0	54.1	0	–		0	
GmP23	GMP	–	1000	58.0			0	0.7	19.6	0	3.8	0	–		0.36	Water in well
Ex5	Hydrosil	–	1008	–			9.3	6.3	13.9	0	0	0	–		–	LEL = >100
Ex5	Carbon 1	–	1010	–			9.2	6.2	13.7	>	1.2	0	–		–	
Ex5	Inflvent	–	1012	–			9.3	6.2	14.1	>	2.8	0	–		–	
GmP03A	GMP	–	1016	58.8			5.5	6.9	5.1	>	0	0	–		0	
Ex6	Well	–	1025	57.6			0	0	20.9	0	0	0	–		0.10	
GmP24	GMP	–	1034	58.3			0.2	14.1	0	4	49.9	0	–		0.10	
Ex7	Well	–	1043	59.4			0.1	13.7	0.2	1	0	0	–		0.07	
GmP12	GMP	–	0807	58.3	29.87	0	0	8.2	2.8	0	0.6	0	–		0	
PV-1	~~Hydro~~ Inf	–	0815	–			51.0	25.3	0	>	3.0	0	–		–	
PV-1	Carbon 7	–	0817	–			49.1	25.2	0	>	0	0	–		–	
PV-1	~~Carbon~~ Hydro	–	0819	–			41.5	23.3	0	>	0	0	–		–	
~~GMP01A~~	~~GMP~~	–	~~0824~~	~~57.8~~		~~2.1~~	~~8.6~~	~~0~~	~~41~~						~~0~~	
GmP02A	GMP	–	0833	58.5		0	0	1.9	13.2	0	0	0	–		0.03	
GmP01A	GMP		0824	57.5	29.87	0	2.1	8.6	0	41	0	0	–		0	
PV-2	Hydrosil	–	0843	–			41.2	21.9	0	>	0	0	–		–	
PV-2	Carbon 1	–	0845	–			42.7	23.1	0	>	0	0	–		–	
PV-2	Inflvent	–	0848	–			42.1	22.3	0	>	0	0	–		–	
GmP04A	GMP	–	0853	59.4			0.1	8.2	9.5	1	0	0	–		0.02	
PV-3	HYDROSIL	–	0902	–	29.87	0	50.4	21.0	0	>	0	0	–		–	
PV-3	Carbon 7	–	0904	–			45.4	18.1	0	>	0	0	–		–	
PV-3	Inflvent	–	0906	–			37.1	18.4	0	>	0	0	–		–	
PV-4	Hydrosil	–	0911	–			43.8	21.9	4.3	>	0	0	–		–	
PV-4	Carbon 1	–	0913	–			41.8	24.2	1.5	0	0	0	–		–	LEL = >100
PV-4	Inflvent		0916	–			77.1	29.5	0	0	0	0	–		–	LEL = >100

Weather: cool, overcast, lightdrizzle

Page: 1/

Name: James Medley

Date: 12/30/02

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Ex5 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydro		0953	-	30.30	0.1	0	0.4	20.7	0	0	0	-	60	-	
PV-4	Carbon 2		0955	-	30.30	0.1	6.2	14.9	17.0	>100	0	0	-		-	
PV-4	INFLUENT		0957	-	30.30	0.1	25.9	19.0	3.6	>100	0	0	-		-	
PV-3	HYDRO		1004	-	30.30	0.1	0.2	0.6	20.1	4	0	0	-		-	
PV-3	CARBON 2		1007	-	30.30	0.1	0.5	8.2	19.9	10	0	0	-		-	
PV-3	INFLUENT		1009	-	30.30	0.1	7.5	12.0	6.3	>100	0	0	-		-	
GMP04A	GMP		1015	54.1	30.30	0.1	0	6.8	12.8	0	0	0	-		0.04	
PV-2	Hydro		1023	-	30.30	0.1	0	0.1	22.3	0	0	0	-		-	
PV-2	Carbon 1		1025	-	30.30	0.1	0	3.8	17.7	0	0	0	-		-	
PV-2	Influent		1028	-	30.30	0.1	11.0	11.6	8.2	>	0	0	-		-	
GMP02A	GMP		1033	53.8	30.30	0.1	0	1.2	18.0	0	0	0	-		0	
GMP01A	GMP		1040	53.8	30.30	0.1	0	4.5	13.3	0	0	0	-		0	
PV-1	Hydro		1048	-	30.30	0.1	0	0.1	20.9	0	0	0	-		-	
PV-1	Carbon 2		1050	-	30.30	0.1	0	2.7	9.7	0	0	0	-		-	
PV-1	Inf		1052	-	30.30	0.1	1.8	10.3	5.8	36	4.1	0	-		-	
GMP12	GMP		1055	56.1	30.30	0.1	0	7.4	0.3	0	1.2	0	-		0	
EX10	Well		944	55.0	30.30	0.1	0	0.9	20.3	0	1.0	0	-		0	weekly VOSF
EX1	Well		1111	56.3	30.27	0	0	6.6	0.5	0	2.3	0	-		0	
GMP22	GMP		1118	57.0	30.27	0	1.8	10.4	0	36	62.4	0	-		0	
EX2	Well		1125	56.3			9.3	9.9	0.1	>	7.1	0	-		0	
EX3	Well		1134	55.9			11.4	10.6	0	>	8.1	0	-		0.02	
EX4	Well		1142	57.3			0	2.0	5.4	0	1024	0	-		0.05	
GMP23	GMP		1150	55.8			0	0	20.5	0	3.9	0	-		0.25	underwater hand pump
EX5	Hydro		1159	-			3.5	4.7	15.3	70	0	0	-		-	
EX5	Carbon 2		1202	-			3.9	4.7	15.8	78	3.8	0	-		-	
EX5	Inf		1205	-			3.4	4.5	15.9	68	12.5	0	-		-	
GMP03A	GMP		1213	56.3			0	8.2	12.6	0	0	0	-		0	
EX6	Well		1221	55.6			0	0.1	20.9	0	0.6	0	-		0.10	
GMP24	GMP		1228	55.2			0.1	13.6	0	2	6.3	0	-		0.10	
EX7	Well		1237	55.8			0.4	13.7	0	8	3.1	0	-		0.05	
GMP25	GMP		1245	56.0			1.8	10.8	4.5	36	5.2	0	-		0	weekly
EX8	Well		1253	57.1			0	0.2	22.3	0	6.2	0	-		0	
EX9	Well		1300	57.3			0.6	10.6	0.7	12	3.3	0			0	
GMP26	GMP		1310	56.9			0	2.1	5.4	0	0	0			0	

Weather: partly cloudy, light drizzle then sun, slight wind

Name: J. Medley, J. Adams
Date: 12/31/02

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Ex5 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydro	-	0935	-	30.27	0.1	1.6	2.5	15.2	33	0	0		60	-	
PV-4	Carbon 2	-	0940	-			35.6	22.5	1.9	>	0	0			-	
PV-4	Inf	-	0942	-			14.8	12.2	7.9	>	0	0			-	
PV-3	Hydro	-	0947	-			22.6	9.1	8.2	>	0	0			-	
PV-3	Carbon 2	-	0949	-			16.0	11.7	9.6	>	0	0			-	
PV-3	Inf	-	0951	-			7.0	11.0	4.9	>	0	0			-	
GMP04A	GMP	-	0957	64.8			0	6.5	11.1	0	0	0			0.02	
PV-2	Hydrosil	-	1004	-			0.7	1.9	21.3	14	0	0			-	
PV-2	Carbon 2	-	1006	-			30.0	19.3	6.6	>	0	0			-	
PV-2	Influent	-	1008	-			5.6	10.1	8.4	>	0	0			-	
GMP02A	GMP	-	1013	62.4			0	1.4	13.7	0	0.3	0			0	
GMP01A	GMP	-	1020	61.3			0	5.1	6.7	0	0	0			0	
PV-1	HIDROSIL	-	1027	-			0	0.1	21.5	0	0	0			-	
PV-1	Carbon 2	-	1029	-			10.1	14.6	17.1	>	0	0			-	
PV-1	Influent	-	1031	-			20.1	19.1	3.9	>	2.7	0			-	
GMP12	GMP	-	1035	64.2			0	7.6	1.4	0	1.8	0			0	
EX1	Well	-	1147	65.1	30.24	0.1	0	6.7	0.7	0	0.9	0			0.02	
GMP22	GMP	-	1153	65.3	30.24	0.1	2.0	9.8	0	40	35.3	0			0	
EX2	Well	-	1201	62.4			8.2	9.3	1.7	>	5.7	0			0	
EX3	Well	-	1208	60.6			11.2	10.6	0	>	6.8	0			0	water in well
EX4	Well	-	1215	61.1			0	2.1	4.6	0	99.8	0			0.06	
GMP23	GMP	-	1223	62.4			0	0.7	18.3	0	89.1	0			0.18	water in well
EX5	Hydrosil	-	1301	-			5.3	5.9	12.6	>	~~14.5~~	~~0~~			-	VOCs 4.7 VOCs 0.3
EX5	After Carbon 2	-	1303	-			5.0	5.9	12.9	99	~~13.7~~	0			-	VOCs = 13.8 VOCs 0.3
EX5	Carbon 2	-	1306	-			5.3	5.6	12.9	>	4.7	0.3			-	
EX5	Influent	-	1308	-			5.4	5.4	13.1	>	12.0	0.3			-	
GMP03A	GMP		1230	65.4	30.24	0.1	0	7.3	12.2	0	14.5	0			0	
EX6	Well		1240	75.0	30.24	0.1	0	0.7	20.2	0	13.7	0			0.08	
GMP24	GMP		1247	74.7	30.24	0.1	0	9.5	6.1	0	59.2	0			0.12	
EX7	Well		1254	74.9	30.24	0.1	0.5	11.9	3.0	10	28.9	0			0.03	

Weather: Overcast, calm wind, mid 50s °F

Name: J Medley, J. Adams

Date: 1/2/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	EX5 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	HYDROSIL		0853	–	30.31	-0.2	27.5	8.6	5.4	>	0	0	–	60	–	
PV-4	Carbon 1		0857	–			57.5	23.3	0.6	>	0	0	–		–	
PV-4	Inf		0859	–			66.7	27.7	0	>	1.3	0			–	
PV-3	Hydrosil		0917	–			0	0.1	21.9	0	0	0	–		–	
PV-3	Carbon 1		0919	–			0.5	8.2	20.3	10	0	0	–		–	
PV-3	Inf		0915	–			20.7	16.0	1.8	>	0.5	0	–		–	
GMP04A	Gmp		0928	57.6			0	7.0	10.1	0	0.4	0	–		0.02	
PV-2	Hydrosil		0935	–			0	0.1	21.8	0	0	0	–		–	
PV-2	Carbon 1		0937	–			0	3.4	21.5	0	0	0	–		–	
PV-2	Influent		0939	–			19.9	15.4	4.6	>100	0.7	0	–		–	
GMP02A	Gmp		0946	55.6			0	1.5	16.1	0	0	0	–		0	
GMP01A	Gmp		0952	56.2			0	4.9	9.9	0	0	0	–		0	
PV-1	Hydrosil		1000	–			0	0.1	21.8	0	0	0	–		–	
PV-1	Carbon 1		1002	–			18.8	12.3	15.6	>100	0	0	–		–	
PV-1	Influent		1004	–			10.0	14.9	0.4	>100	5.7	0	–		–	
GMP12	Gmp		1011	59.9			0	7.5	1.7	0	2.8	0	–		0	
EX1	Well		1100	58.1	30.27	+0.2	0	7.1	0.5	0	6.9	0	–		0	OVM recalibrated
GMP22	Gmp		1109	59.5			21.0	10.3	0	40	86.8	0	–		0	
EX2	Well		1117	58.4			9.1	10.1	0	>	114.5	0	–		0	
EX3	Well		1238	57.4			10.5	10.6	0.2	>	5.6	0	–		0	
EX4	Well		1125	61.7			0	2.0	5.8	0	64.9	0	–		0	
GMP23	Gmp		1134	60.7			0	0	21.5	0	0	0	–		0.30	
EX5	Hydrosil		1142	–			3.7	4.9	15.6	74	0.4	0	–		–	recalibrated OVM
EX5	Carbon 1		1145	–			34	4.5	16.2	68	2.4	0	–		–	
EX5	Carbon 2		1147	–			3.5	4.8	15.9	70	0.4	0	–		–	recalibrated OVM
EX5	Influent		1150	–			4.0	5.1	15.2	80	10.3	0	–		–	recalibrated OVM
GMP03A	Gmp		1205	57.4			[illegible]	8.2	11.1	0	2.7	0	–		0.08	
EX6	Well		1212	57.9			0	0	22.0	0	1.6	0	–		0.10	
GMP24	Gmp		1220	61.0			0	7.6	16.8	0	89.9	0.4	–		0.10	
EX7	Well		1230	59.7			0.7	12.9	1.2	14	20.1	0	–		0.05	

Name: J. Medley, J. Adams
Date: 1/3/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	EX5 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydro	-	0858	-	30.28	-0.4	0.6	0.4	19.9	11	0	0	-	60	-	
PV-4	Carbon 1	-	0900	-			54.8	26.2	0.4	>100	0	0	-		-	
PV-4	Inf	-	0902	-			31.6	21.9	1.0	>100	0	0	-		-	
PV-3	Hydro	-	0907	-	30.29	-0.4	0.1	0.1	20.1	2	0	0	-		-	
PV-3	Carbon 1	-	0909	-			0.3	6.2	18.7	5	0	0	-		-	
PV-3	Inf	-	0911	-			7.6	12.1	14.8	>	0.7	0	-		-	
GMP04A	GMP	-	0915	61.2			0.1	7.6	4.6	2	0	0	-		0	
PV-2	Hydro	-	0922	-			0.1	0.1	20.0	2	0	0	-		-	
PV-2	Carbon 1	-	0924	-			0.2	1.3	19.6	3	0	0	-		-	
PV-2	Inf	-	0926	-			3.4	7.8	6.6	67	0	0	-		-	
GMP02A	GMP	-	0931	60.1			0.2	1.5	14.2	3	0	0	-		0.02	
GMP01A	GMP	-	0937	58.8			0	3.2	12.1	0	0	0	-		0	
PV-1	Hydro	-	0943	-			0	0.1	20.2	0	0	0	-		-	
PV-1	Carbon 1	-	0945	-			5.2	11.1	17.1	>	0	0	-		-	
PV-1	Influent	-	0947	-			7.0	15.5	1.3	>	6.0	0	-		-	
GMP12	GMP	-	0951	63.4	30.29	-0.4	0.1	7.9	0.8	1	0	0	-		0.02	
GMP11	GMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Water in GMP. Connection
EX1	Well	-	1000	64.1	30.29	-0.4	0.1	7.5	0.2	2	1.5	0	-		0	
GMP22	GMP	-	1008	63.1			0.8	3.1	6.7	15	30.9	0	-		0	
EX2	Well	-	1015	63.9			8.8	10.7	0.2	>	0.6	0	-		0	
EX3	Well	-	1023	61.2	30.23	-0.5	10.3	11.1	0	>	0	0	-		0	
EX4	Well	-	1029	59.4			0	2.2	2.1	0	46.6	0	-		0.04	
GMP01A	Hydrosil	-	1040	-			0.1	8.1	5.4	2	0	0	0.5			System stopped at 1
GMP01A	Carbon 1	-	1042	-			0.1	4.7	5.6	2	0	0	0.5			
GMP01A	Influent	-	1044	-			0	3.8	5.7	0	0	0	0.5			
GMP12	GMP	-	1051	68.4			0.1	7.9	0.9	2	0	0			0.02	
GMP02A	GMP	-	1058	68.9			0.2	1.5	14.8	3	0	0			0.04	
EX1	Well	-	1106	64.4			0.3	7.5	0	5	0	0			~~0.04~~	OJHM
GMP22	GMP	-	1113	63.8			1.4	5.3	4.1	27	0	0			0	
EX2	Well	-	1120	61.3			8.7	10.3	0.2	>	0	0			0.04	
EX3	Well	-	1128	66.6			10.4	11.2	0	>	2.1	0			0	
EX4	Well	-	1135	60.6			0.1	1.9	2.9	2	48.8	0			0	
GMP23	GMP	-	~~GM~~ 1143	62.2			0.1	0	20.5	2	4.3	0			0.32	Daily EX5
EX5	Hydrosil	-	1215	-			2.4	3.4	16.0	48	0.5	0			~~0.04~~	JHM
EX5	Carbon 2		1217	-			3.1	4.4	14.6	62	0	0				

OVM not functioning properly -
turning system off at EX5, need to switch Carbon units with ^

Name: J. Medley, J. Adams
Date: 1/3/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP01A Recovery Blower #1 Loc/ flowrate (cfm)	EX5 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX5	Carbon 1	–	1219	–	30.23	-0.5	3.3	4.5	14.4	66	4.6	0	GMP01A/5	EX5/60	–	
EX5	Influent	–	1221	–	30.23	-0.5	3.4	4.8	14.0	68	5.5	0			–	
GMP03A	GMP	–	1149	59.0	30.23	-0.5	0	8.2	5.3	0	0.6	0			0.04	
EX6	Well	–	1156	59.1	30.23	-0.5	0	0	20.5	0	0	0			0.12	
GMP24	GMP	–	1202	59.7	30.23	-0.5	0.2	13.2	0	3	3.5	0			0.10	
EX7	Well	–	1209	58.5	30.23	-0.5	0.8	14.2	0.1	15	13.8	0		↓	0.08	Shutdown EX5 at 1223
EX5	Well	–	1225	70.4	30.23	-0.5	0	0	20.2	0	0.3	0		–	–	
GMP12	GMP	–	1230	67.9	30.23	-0.5	0.1	7.7	0.8	2	0.2	0		–	0	
GMP02A	GMP	–	1234	69.3	30.23	-0.5	0.1	1.4	14.3	2	0	0		–	0	
EX1	Well	–	1240	67.3	30.23	-0.5	0.2	7.3	0	3	3.1	0		–	0	
GMP22	GMP	–	1244	65.1	30.23	-0.5	1.5	6.3	2.8	29	14.3	0		–	0	
EX2	Well	–	1249	61.3	30.23	-0.5	8.9	10.7	0	>100	3.1	0		–	0	
EX3	Well	–	1253	62.1	30.23	-0.5	10.1	11.1	0	>100	3.0	0		–	0	
EX4	Well	–	1258	62.6	30.23	-0.5	0.1	2.0	2.2	2	50.1	0		–	0	
GMP01A	Hydrosil	–	1304	–	30.23	-0.5	0.2	5.0	4.2	3	0.4	0		–	–	VOCs = 0 ppm JHM
GMP01A	Carbon 1	–	1306	–	30.23	-0.5	0.3	5.2	4.1	5	0.4	0		–	–	
GMP01A	Influent	–	1308	–	30.23	-0.5	0.3	5.5	4.0	5	2.3	0		–	–	
GMP12	GMP	–	1313	66.9	30.23	-0.5	0.1	7.7	0.9	1	0	0		–	0	
GMP01A	GMP	–	1318	68.2	30.23	-0.5	0.1	1.4	14.6	2	0	0		–	0	
EX1	Well	–	1325	59.9	30.23	-0.5	0.3	7.3	0.0	2	3.0	0		–	0	
GMP22	GMP	–	1330	64.8	30.23	-0.5	1.6	6.7	2.5	31	21.7	0		–	0	
EX2	Well	–	1335	62.8	30.23	-0.5	8.8	10.5	0	>100	4.0	0		–	0	
EX3	Well	–	1340	69.1	30.23	-0.5	10.3	11.0	0	>100	3.7	0			0	
EX4	Well	–	1345	62.6	30.23	-0.5	0.1	2.0	2.3	2	57.1	0			0	
GMP01A	Hydrosil	–	1350	–	30.23	-0.5	0.4	5.3	3.8	8	0	0			–	
~~GMP01A~~	~~Carbon 1~~	~~–~~	~~1352~~	~~–~~	~~30.23~~	~~-0.5~~	~~0.6~~	~~5.8~~	~~3.7~~	~~11~~	~~0~~	~~0~~			~~–~~	~~JHM~~
GMP01A	Influent	–	1354	–	30.23	-0.5	0.6	5.8	3.7	11	0.8	0			–	
GMP01A	Carbon 1	–	1352	–	30.23	-0.5	0.6	5.7	3.8	11	0	0				

OVM malfunctioning - serious drifting between each well.

Weather: Sunny, warm (mid-upper 60s), calm wind

Name: James Medley
Date: 1/06/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydrosil		1150	–	30.06	-0.2	51.4	25.2	1.3	>	0	0	GMP01A/5	–	–	
PV-4	Carbon 1		1153	–			60.9	28.1	0.1	>	0	0		–	–	
PV-4	Influent		1155	–			56.6	24.5	0	>	201.5	0		–	–	
PV-3	Hydrosil		1159	–			41.1	18.4	1.1	>	0	0		–	–	
PV-3	Carbon 1		1202	–			36.7	22.3	0	>	0	0		–	–	
PV-3	Influent		1205	–			43.7	18.8	0.1	>	0	0		–	–	
GMP04A	GMP		1210	69.0			0.1	7.3	3.0	2	246	0		–	0	
PV-2	Hydrosil		1255	–	30.07	-0.1	36.5	22.7	0.4	1	0	0		–	–	
PV-2	Carbon 1		1257	–			37.8	21.7	0	>	0	0		–	–	
PV-2	Influent		1259	–			41.2	20.3	0	>	11.8	0		–	–	
PV-1	Hydrosil		1304	–			35.8	24.7	4.4	>	0	0		–	–	
PV-1	Carbon 1		1306	–			28.8	17.5	2.2	>	0	0		–	–	
PV-1	Influent		1308	–			32.0	19.2	0.3	>	7.3	0		–	–	
GMP03A	GMP		1319	78.8			3.5	2.3	1.8	69	0	1.1		–	0	
GMP12	GMP		1311	68.9			0.2	4.1	8.4	3	5.9	2.1		–	0	
EX1	Well		1326	74.8			0.3	7.0	0.5	6	81.3	0		–	0	
GMP22	GMP		1332	73.0			2.0	9.6	0.2	39	112.4	0.5		–	0.02	
EX2	Well		1350	73.4			7.5	9.4	0.9	>	50.4	0.5		–	0.02	
GMP01A	Hydrosil		1340	–			16.5	11.2	3.4	>	71.7	0.5		–	–	
GMP01A	Carbon 2		1342	–			16.5	11.1	3.6	>	119.8	0.5		–	–	
GMP01A	Carbon 1		1344	–			16.4	11.2	3.6	>	104.8	0.5		–	–	
GMP01A	Influent		1346	–			16.3	11.1	3.9	>	166.7	0.5		–	–	
EX3	Well		1357	77.7			8.3	9.6	1.0	>	150.3	0		–	0.04	
EX4	Well		1402	68.4			0.1	2.2	2.2	1	54.8	0.5		–	0	
GMP23	GMP		1408	73.6			0.1	0.8	12.5	1	98.9	0.5		–	0	
EX5	Well		1414	74.1			2.7	3.5	14.0	53	143.1	0.5		–	0	
GMP03A	GMP		1420	69.6			0	8.9	3.9	0	14.2	0.5		–	0	
EX6	Well		1426	72.5			0	1.1	17.2	0	147.7	0.5		–	0	
GMP24	GMP		1433	72.9			0.2	11.3	0.5	3	112.3	0.5		–	0	
EX7	Well		1440	76.5			0.4	12.9	0.5	0	196.8	0.5		–	0	Startup Exs at 1445
EX5	Hydrosil		1450	–	30.05	0.1	1.7	3.3	15.9	33	1.7	0		EX5/60	–	
EX5	Carbon 2		1453	–			2.4	4.8	12.2	48	107.6	0			–	
EX5	Carbon 1		1456	–			2.3	4.3	13.2	47	0	0			–	
EX5	Influent		1458	–			2.5	4.0	12.8	50	31.9	0			–	
GMP03A	GMP		1508	78.8			0.1	4.5	13.8	1	9.9	0			~~0.08~~	3HM VAC=0.02

Name: James Medley
Date: 1/06/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex6	Well	-	1515	77.5	30.05	0.1	0	0	21.8	0	88.0	0	GMP01A/5	Ex5/60	0.08	
GMP24	GMP	-	1522	73.8	↓	↓	0.2	11.5	0.8	3	118.7	0	↓	↓	0.06	
Ex7	Well	-	1530	81.0	↓	↓	0.4	12.2	1.5	8	>300	0.5	↓	↓	0.05	
GMP23	GMP	-	1538	69.6	↓	↓	0	0.7	14.9	0	41.4	0.5	↓	↓	0.36	
Ex4	Well	-	1546	70.6	↓	↓	0.1	2.1	3.4	1	60.9	0.5	↓	↓	0.05	
Ex3	Well	-	1553	73.7	↓	↓	8.4	9.3	1.3	>	928	0.5	↓	↓	0.02	
GMP02A	GMP	-	1602	79.7	↓	↓	4.6	2.2	2.1	92	0.3	0.5	↓	↓	0	
GMP04A	GMP	-	1612	74.7	↓	↓	0	7.1	2.8	0	3.7	0.5	↓	↓	0.02	

Name: John Adams, James Medley
Date: 8/11/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP01A Recovery Blower #1 Loc/ flowrate (cfm)	EX5 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex1	Well		0910	56.8	30.20	-0.1	0.3	7.8	0.8	6	4.9	0	≈5	60	0	
GMP22	GMP		0917	59.0	↓	↓	1.3	11.1	1.2	26	24.9	0			0.04	
Ex2	Well		0924	59.7			5.4	9.1	4.0	>	5.4	0			0.04	
~~GMP01A~~	~~Hydrosil~~		~~0930~~	~~64.8~~			~~8.0~~	~~9.8~~	~~2.4~~	~~>~~	~~6.8~~	~~0~~			~~0.04~~	JHM
GMP01A	Carbon 2		0938	–			7.6	10.6	9.4	>	0	0			–	
GMP01A	Carbon 1		0940	–			7.7	10.4	9.4	>	4.7	0			–	
GMP01A	Influent		0943	–			8.0	10.4	9.5	>	5.5	0			–	
Ex3	Well		0930	64.8			8.0	9.8	2.4	>	6.8	0			0.04	
Ex4	Well		0945	55.1			0	2.1	4.4	0	46.6	0			0.06	
GMP23	GMP		0952	53.2			0	1.0	~~21.4~~	0	42.9	0			0.30	O_2 = 17.6
GMP01A	Hydrosil		0936	–			8.0	10.9	8.7	>	0	0			–	
Ex5	Hydrosil		1000	–			1.1	3.0	17.0	21	2.5	0			–	
Ex5	Carbon 2		1002	–			1.2	3.6	15.9	23	1.1	0			–	
Ex5	Carbon 1		1005	–			1.1	3.5	16.3	21	0.3	0			–	
Ex5	Influent		1008	–			1.2	3.6	15.8	23	15.0	0			–	
Ex6	Well		1010	62.8			0	0	21.1	0	0.8	0			0.11	
GMP24	GMP		1017	61.9			0.2	11.2	3.0	3	59.1	0			0.09	
Ex7	Well		1035	65.8			0.3	14.9	0.6	6	38.1	0			0.08	
GMP25	GMP		1043	65.8			2.3	10.8	0.7	45	2.9	0			0.06	weekly USF
Ex8	Well		1050	64.0			0.1	10.6	6.2	1	5.2	0			0	
Ex9	Well		1056	70.0			0.6	10.9	1.0	12	8.5	0			0	
GMP26	GMP		1103	62.4			0	5.9	5.3	0	0	0			0	
Ex10	Well		1122	67.5	30.16	~~30.16~~	0	2.2	14.5	0	0	0			0	rel. = 0
GMP03A	GMP		1110	60.3	30.20	-0.1	0	2.3	19.0	0	0	0			0	
Ex5	Well		1116	80.2	30.16	0	0	0.1	20.8	0	33.8	0			0	Shutdown Ex5 at 1115
PV-4	Hydrosil		1126	–	30.16	0	3.6	5.2	19.0	75	0	0			–	
PV-4	Carbon 1		1128	–	30.16	0	29.8	27.4	9.2	>	0	0			–	
PV-4	Influent		1130	–	30.16	0	68.1	32.6	0.5	>	1.7	0			–	
PV-3	Hydrosil		1134	–	↓	↓	0.2	~~19.4~~	19.6	3	0	0			–	CO_2 = 1.1
PV-3	Carbon 1		1136	–			11.3	19.9	13.2	>	0	0			–	
PV-3	Influent		1138	–			46.7	22.4	0.4	>	0	0			–	
GMP01A	GMP		1140	72.9			0	8.4	6.6	0	0.7	0			0	
PV-2	Hydrosil		1144	–			0	0.2	20.7	0	0	0			–	
PV-2	Carbon 1		1145	–			0.2	10.1	19.0	3	0	0			–	
PV-2	Influent		1147	–	↓	↓	35.5	23.8	0.7	>	2.4	0			–	

Name: James Medley, John Adams
Date: 01/7/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP02A	GMP	-	1150	76.6	30.16	0	0	3.5	14.1	0	2.4	0			0	
PV-1	Hydrosil	-	1155	-	↓	↓	0	0.1	20.1	0	0	0			—	
PV-1	Carbon 1	-	1157	-			58.3	3.4	0	>	0	0			—	
PV-1	Influent	-	1159	-			49.9	29.2	0	>	4.1	0			—	
GMP12	GMP	-	1203	77.2			0	7.8	4.4	0	2.1	0.3			0	
		-														

Weather: sunny. calm winds, 50s °F

Name: James Medley
Date: 1/08/03

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP01A Recovery Blower #1 Loc/ flowrate (cfm)	Ex3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydrosil		0816	-	30.05	-0.2	68.6	26.4	0.2	>	0	0	5-10CFM	-	-	
PV-4	Carbon 1		0818	-			64.2	28.3	0.5	>	0	0		-	-	
PV-4	Influent		0820	-			40.3	25.0	0.8	>	0	0		-	-	
PV-3	Hydrosil		0823	-			0.1	0.4	20.6	2	0	0		-	-	
PV-3	Carbon 1		0825	-			33.6	17.4	0.3	>	0	0		-	-	
PV-3	Influent		0827	-			32.3	18.3	1.2	>	0.7	0		-	-	
PV-2	Hydrosil		0830	-			0.4	0.6	20.6	7	0	0.3		-	-	
PV-2	Carbon 1		0832	-			43.1	21.3	0.3	>	0	0.3		-	-	
PV-2	Influent		0834	-			43.7	23.2	0.2	>	1.3	0.3		-	-	
GMP02A	GMP		0842	57.6			0	3.9	14.2	0	1.0	0		-	0.02	
PV-1	Hydrosil		0850	-			0	0.1	21.0	0	0	0		-	-	
PV-1	Carbon 1		0852	-			0	5.3	19.9	0	0	0		-	-	
PV-1	Influent		0854	-			0	6.1	19.7	0	21.0	0		-	-	
GMP12	GMP		0856	62.6			0	7.8	12.7	0	0.7	0.7		-	0	
GMP15	GMP		0905	62.9			0	1.4	18.9	0	0	0		-	0	
GMP14	GMP		0913	64.0			0	0.3	20.5	0	0	0		-	0	
EX1	Well		0920	62.4			0.3	8.1	1.0	5	10.3	0		-	0.04	
GMP22	GMP		0926	64.6			0.9	11.6	1.2	17	61.3	0		-	0.04	
EX2	Well		0932	65.6			4.3	9.5	3.4	85	12.3	0		-	0.02	
GMP01A	Hydrosil		0940	-			10.0	10.6	10.0	>	0	0		-	-	
GMP01A	Carbon 2		0942	-			8.8	9.1	11.3	>	0	0		-	-	
GMP01A	Carbon 1		0944	-			11.2	12.1	8.3	>	0	0		-	-	
GMP01A	Influent		0946	-			11.3	11.7	8.2	>	3.7	0		-	-	
EX3	Well		0949	60.1			8.0	10.3	1.6	>	9.1	0		-	0.05	
EX4	Well		0956	57.6			0	2.5	2.5	0	81.3	0		-	0	
GMP23	GMP		1002	55.9			0	1.1	14.6	0	82.3	0		-	0	
EX5	Well		1009	61.3			0.1	0.5	20.2	2	5.7	0.7		-	0	
GMP03A	GMP		1015	75.4			0	4.0	16.9	0	1.3	0		-	0	
EX3	Hydrosil		1024	-			8.9	2.3	3.1	>	0	0		20CFM	-	Start system at 1020
EX3	Carbon 1		1026	-			8.0	7.8	2.4	>	0	0			-	
EX3	Influent		1028	-			7.8	9.9	2.6	>	8.2	0			-	
GMP02A	GMP		1035	68.8			0	0	19.8	0	4.7	0.5			0.08	
EX1	Well		1043	71.4			0.3	7.9	1.4	5	10.8	0			0.06	
GMP22	GMP		1050	67.6			1.3	10.6	1.7	25	190.8	0			0.07	
EX2	Well		1059	57.2			4.5	10.6	1.6	89	11.6	0			0.09	

Name: James Medley, John Adams
Date: 11/08/03

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP01A Recovery Blower #1 Loc/ flowrate (cfm)	EX3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX4	Well	-	1106	64.6	30.05	-0.2	0	1.9	5.2	0	68.0	0	5.10	20	0.06	
GMP23	GMP	-	1113	58.3	30.02	0	0	1.1	13.5	0	83.3	0			0	
EX5	Well	-	1121	69.4			0.2	0.9	19.1	4	>1000	0			0	
GMP03A	GMP	-	1128	63.7			0	3.9	17.3	0	0	0			0	VOCs peg'd OVM
GMP02A	GMP	-	1140	77.5			0	4.0	15.3	0	4.6	0			0.08	
EX1	Well	-	1148	64.9			0.2	7.1	2.9	4	16.9	0.5			0.08	
GMP22	GMP	-	1156	74.3			~~1.0~~ 3%	8.6	5.0	24	>1000	0.5			0.14	CH_4: 1.2
EX2	Well	-	1204	68.2			3.9	9.2	2.8	78	14.1	0			0.14	VOCs peg'd OVM
EX4	Well	-	1212	64.8			0	2.1	4.3	0	66.9	0			0.12	
GMP23	GMP	-	1220	60.4			0	1.1	13.3	0	85.4	0.7			0.01	
EX5	Well	-	1227	66.6			0.3	1.1	19.1	6	>1000	0			0	
GMP03A	GMP	-	1235	67.5			0	3.8	17.9	0	0	0			0	
GMP14	GMP	-	1250	71.0			0	0.3	20.6	0	0	0			0	
GMP15	GMP	-	1257	71.4			0	1.3	18.9	0	0	0			0	

OVM was recalibrated during monitoring due to OVM readings >1,000 causing OVM alarm to sound off.

Weather: Overcast, cool, slight wind, occasional drizzle

Name: James Medley, John Adams

Date: 9-Jan-02

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	~~Hydrosil~~ INF	VENT	0855		30.06	-0.2	43.7	27.1	1.6	>	0	0	GMP01A/5-10CFM	EX3/20		
PV-4	Carbon 1		0900				41.2	25.5	1.5	>	0	0	GMP01A/5-10CFM	EX3/20		
PV-4	~~Influent~~ HYDROSIL		0857				0	0.2	19.0	0	0	0	GMP01A/5-10CFM	EX3/20		
PV-3	Hydrosil		0928				0	0.1	20.4	0	0	0	GMP01A/5-10CFM	EX3/20		
PV-3	Carbon 1		0930				22.5	13.0	10.7	>	0	0	GMP01A/5-10CFM	EX3/20		
PV-3	Influent		0932				30.6	18.6	6.9	>	0	0	GMP01A/5-10CFM	EX3/20		
PV-2	Hydrosil		0948				0	0.1	19.5	0	0	0	GMP01A/5-10CFM	EX3/20		
PV-2	Carbon 1		0950				6.1	11.3	16.6	>	0	0	GMP01A/5-10CFM	EX3/20		
PV-2	Influent		0952				17.4	16.0	14.9	>	0	0	GMP01A/5-10CFM	EX3/20		
GMP02A	GMP		0956	56.5			0	0.1	20.5	0	0	0	GMP01A/5-10CFM	EX3/20	0.03	
PV-1	Hydrosil		1005				0	0.1	20.7	0	0	0	GMP01A/5-10CFM	EX3/20		
PV-1	Carbon 1		1007				0	0.1	20.8	0	0	0	GMP01A/5-10CFM	EX3/20		
PV-1	Influent		1009				0	0.1	20.7	0	9.9	0	GMP01A/5-10CFM	EX3/20		
GMP12	GMP		1013	63.1			0	0.1	19.9	0	0	0	GMP01A/5-10CFM	EX3/20	0.06	
GMP15	GMP		1103	56.4			0	1.5	18.3	0	1.6	1.0	GMP01A/5-10CFM	EX3/20	0.01	
GMP14	GMP		1111	61.3			0	0.3	20.2	0	0	1.0	GMP01A/5-10CFM	EX3/20	0	
EX1	Well		1119	64.2			0.1	8.1	1.8	2	>1,000	0	GMP01A/5-10CFM	EX3/20	0.10	
GMP22	GMP		1127	57.9			~~0.3~~	12.0	0.5	22	189.8	0	GMP01A/5-10CFM	EX3/20	0.16	CH_4 = 1.1
EX2	Well		1134	58.6	↓	↓	1.6	11.2	2.8	31	2750	0	GMP01A/5-10CFM	EX3/20	0.17	
GMP01A	Hydrosil		1148		30.03	-0.2	9.4	9.1	12.7	>	—	—	GMP01A/5-10CFM	EX3/20		OVM malfunction
GMP01A	Carbon 2		1152				9.9	8.8	13.1	>	—	—	GMP01A/5-10CFM	EX3/20		OVM malfunction
GMP01A	Carbon 1		1155				12.5	12.4	10.1	>	—	—	GMP01A/5-10CFM	EX3/20		
GMP01A	Influent		1157				12.1	11.5	10.7	>	—	—	GMP01A/5-10CFM	EX3/20		
EX3	~~Hydrosil~~ Influent		1202				2.7	8.1	9.6	53	—	—	GMP01A/5-10CFM	EX3/20		
EX3	Carbon 1		1204				2.6	8.1	9.7	52	—	—	GMP01A/5-10CFM	EX3/20		
EX3	~~Influent~~ Hydrosil		1206				2.6	8.1	10.0	52	—	—	GMP01A/5-10CFM	EX3/20		
EX4	Well		1210	58.8			0.1	2.8	2.9	2	—	—	GMP01A/5-10CFM	EX3/20	0.16	
GMP23	GMP		1217	58.6			0	1.1	13.0	0	—	—	GMP01A/5-10CFM	EX3/20	0	
EX5	Well		1224	60.8			0.4	1.4	18.2	7	—	—	GMP01A/5-10CFM	EX3/20	0	
GMP03A	GMP		1230	60.1			0	5.0	16.2	0	—	—	GMP01A/5-10CFM	EX3/20	0	
GMP25	GMP		1240	61.1	↓	↓	1.1	10.7	0	22	—	—	GMP01A/5-10CFM	EX3/20	0	↓

OVM drifting, not calibrating properly

Weather: cloudy, drizzle, mid 50s

Name: J. Medley, J. Adams
Date: 1/10/03

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP01A Recovery Blower #1 Loc/ flowrate (cfm)	Ex3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP15	GMP	-	0835	58.6	30.07	-0.3	0	1.5	17.9	0	0	0			0	
GMP14	GMP	-	0842	57.7			0	0.4	19.7	0	0	0			0	
Ex1	well	-	0849	61.1			0	8.7	0	0	7.9	0			0.25	
GMP22	GMP	-	0856	61.4			~~0 ppm~~	~~0.1 ppm~~	0	23	83.9	0			0.23	CO_2 = 4.7 CH_4 = 1.1
Ex2	well	-	0903	64.2			1.7	6.1	11.0	34	26.6	0			0.22	
GMP01A	Hydrosil	-	0911	-			12.2	12.7	8.6	>	0	0			-	
GMP01A	Carbon 2	-	0914	-			15.2	12.1	9.4	>	0	0			-	
GMP01A	Carbon 1	-	0917	-			16.5	16.4	9.5	>	0	0			-	
GMP01A	Influent	-	0920	-			21.5	16.8	6.0	>	3.1	0			-	
~~Ex3~~	~~Hydrosil~~	~~-~~					~~8.5~~	~~9.3~~	~~7.4~~	~~>~~	~~0~~	~~0~~			-	
Ex3	Carbon 2	-	0925	-			8.5	9.3	7.4	>	0	0			-	JHa
Ex3	Hydrosil	-	0928	-			8.5	9.3	5.7	>	0	0			-	
Ex3	Influent	-	0931	-			7.6	8.4	7.1	>	0	0			-	
Ex4	well	-	0936	57.7	30.05	-0.3	0.1	2.6	4.4	2	84.7	0			0.20	
GMP23	GMP	-	well completely		underwater		- did not		monitor						-	
Ex5	well	-	0944	58.6	30.05	-0.3	1.0	3.2	13.7	21	13.7	0			0	
GMP01A	GMP	-	0952	56.9			0	5.0	15.8	0	0	0			0	
GMP25	GMP	-	0959	59.0			1.1	10.9	0.1	22	0	0			0	
GMP12	GMP	-	1007	58.3			0	0.1	20.4	0	0	0			0.20	
PV-1	Hydrosil	-	1014	-			0	0.1	20.5	0	0	0			-	
PV-1	Carbon 1	-	1016	-			0	0.1	20.5	0	0	0			-	
PV-1	Influent	-	1018	-			0	0.1	20.6	0	0	0			-	
GMP02A	GMP	-	1025	61.2			0	0.1	20.4	0	0	0			0.22	
PV-2	Hydrosil		1033	-			0	0.1	19.9	0	0	0			-	
PV-2	Carbon 1		1039	-			0	3.3	19.6	0	0	0			-	
PV-2	Influent		1041	-			0.8	9.6	18.4	15	9.6	0			-	
PV-3	Hydrosil		1045	-			0	0.1	20.6	0	0	0			-	
PV-3	Carbon 1		1048	-			5.5	11.0	17.9	>	0	0			-	
PV-3	Influent		1051	-			14.9	13.5	15.6	>	0	0			-	
PV-4	~~Hydrosil~~ Influent		1056	-			37.9	24.3	7.7	>	0	0			-	
PV-4	Carbon 1		1059	-			25.2	21.3	12.0	>	0	0			-	
PV-4	~~Influent~~	Hydrosil	1102	-			0	0.1	20.0	0	0	0			-	

Weather: Overcast, mild, slightwind

Name: James Medley
Date: January 13, 2003

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP02A Recovery Blower #1 Loc/ flowrate (cfm)	Ex3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP01A	Well		1053	68.4	30.29	-0.2	7.1	15.2	3.7	>	-	-	-	-	-	Systems off
EX2	Well		1109	68.5	30.29	-0.2	3.6	12.9	0.1	72	-	-	-	-	-	Systems off
GMP22	GMP		1102	68.0	30.29	-0.2	0.6	11.5	0.7	12	-	-	-	-	-	Systems off
EX3	Well		1117	74.5	30.29	-0.2	1.7	4.6	15.6	34	-	-	-	-	-	Systems off
EX1	Well		1128	72.1	30.29	-0.2	0	8.9	0.7	0	-	-	-	-	-	Systems off
PV-4	Hydrosil		1236	-	30.24	0	63.3	29.4	0.5	>	0	0	5	≈5	-	Systems back on
PV-4	Carbon 1		1238	-	30.24	0	57.4	33.9	0.6	>	0	0			-	
PV-4	Influent		1240	-	30.24	0	56.1	28.7	0.5	>	0	0			-	
PV-3	Hydrosil		1249	-			39.8	20.6	0	>	0	0			-	
PV-3	Carbon 1		1246	-			35.9	24.6	0	>	0	0			-	
PV-3	Influent		1249	-			29.5	18.9	0.5	>	1.1	0			-	
PV-2	Hydrosil		1253	-			35.2	21.4	0.4	>	0	0			-	
PV-2	Carbon 1		1255	-			30.6	24.6	0.4	>	0	0			-	
PV-2	Influent		1257	-			39.4	24.6	0.4	>	0	0			-	
~~GMP02A~~	~~GMP~~		~~1302~~				~~45.1~~	~~23.8~~	~~0.5~~	~~>~~	~~0.9~~	~~0~~				JHM
PV-1	Hydrosil		1309	-			51.8	30.3	0	>	0	0			-	
PV-1	Carbon 1		1311	-			54.0	26.3	0	>	0	0			-	
PV-1	Influent		1314	-			45.1	23.8	0.5	>	3.9	0			-	
GMP12	GMP		1318	69.6			0	4.1	12.0	0	0	0			0	
EX10	Well		1326	72.0			0	2.8	10.9	0	0	0			0	weekly USF
GMP15	GMP		1339	71.1			0	1.3	18.8	0	0	0			0	
GMP14	GMP		1345	69.6			0	0.3	20.7	0	0	0			0	
EX1	Well		1358	72.7	30.20	+0.1	0	8.6	1.0	0	1.3	0			0.04	
GMP22	GMP		1405	71.7	30.20	+0.1	0.6	11.3	0.8	11	54.3	0			0.08	
EX2	Well		1412	73.0	30.20	+0.1	3.5	11.4	1.5	69	11.8	0			0.10	
GMP01A	Hydrosil		1418	-	30.20	+0.1	14.4	15.1	5.8	>	0	0			-	
GMP01A	Carbon 2		1420	-	30.20	+0.1	14.5	14.9	5.7	>	0	0			-	
GMP01A	Carbon 1		1422	-	30.20	+0.1	14.3	15.0	5.7	>	0	0			-	
GMP01A	Influent		1424	-	30.20	+0.1	14.5	14.8	5.7	>	1.8	0			-	
EX3	~~Well~~ Hydrosil		1428	-	30.20	+0.1	3.1	8.9	8.7	62	0	0			0.04	
EX4	Well		1436	70.7	30.20	+0.1	0	2.5	3.8	0	54.2	0			0.07	
GMP23	GMP		1445	71.2	30.20	+0.1	0.1	1.1	9.5	0	64.3	0			0	
EX5	Well		1455	74.3	30.20	+0.1	0.9	4.0	10.5	18	16.3	0			0.02	
GMP03A	GMP		1505	70.7	30.20	+0.1	0	4.5	14.6	0	0	0			0.04	
GMP02A	Comp	-	1302	68.4	30.24	0	0	6.1	8.2	0	0.9	0	5	5	-	
EX3	Carbon 1	-	1430	-	30.20	+0.1	3.2	8.6	9.6	64	0	0	5	5	-	
EX3	Influent	-	1432	-	30.20	+0.1	3.3	8.4	8.7	65	14.9	0				

Name: James Medley / John Adams
Date: 1/14/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	GMP01A Recovery Blower #1 Loc/ flowrate (cfm)	EX3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
													GMP01A/5	EX3/5		
EX3	Hydrosil	–	0906	–	30.24	-0.1	2.0	8.2	7.1	40	Ø	Ø			–	
EX3	Carbon 1	–	0908	–	30.24	-0.1	2.0	8.2	7.2	40	Ø	Ø			–	
EX3	Influent	–	0911	–	30.24	-0.1	2.0	8.3	7.9	40	35.4	0			–	
GMP01A	Hydrosil	–	0854	–	30.24	-0.1	14.5	16.3	4.7	>	0	0			–	
GMP01A	Carbon 2	–	0857	–	30.24	-0.1	14.2	16.1	4.8	>	0	0			–	
GMP01A	Carbon 1	–	0859	–	30.24	-0.1	14.2	16.1	4.9	>	0	0			–	
GMP01A	Influent	–	0902	–	30.24	-0.1	14.2	15.5	5.1	>	2.1	Ø			0.08	
EX1	Well	–	0830	61.2	30.24	-0.1	0	8.8	0.6	0	1.2	Ø			0.09	
GMP22	GMP	–	0838	61.0	30.24	-0.1	0.6	11.5	0.8	12	107.6	Ø			0.14	
EX2	Well	–	0846	63.0	30.24	-0.1	3.5	12.5	0.5	70	184	Ø			0.05	
EX4	Well	–	1014	62.2	30.25	-0.2	0.1	2.5	4.3	2	56.5	Ø			0.04	
GMP23	GMP	–	1022	61.7	30.25	-0.2	0.1	1.2	8.9	2	84.7	Ø			Ø	
EX5	Well	–	1031	63.3	30.25	-0.2	0.9	3.8	10.4	18	23.8	Ø			Ø	
GMP03A	GMP	–	1039	62.4	30.25	-0.2	Ø	4.8	13.4	Ø	0.6	Ø			Ø	weekly USF
EX6	Well	–	1047	62.8	30.25	-0.2	Ø	2.8	11.5	Ø	9.5	Ø			Ø.02	
GMP24	GMP	–	1055	63.9	30.25	-0.2	0.3	13.0	Ø	6	78.5	Ø			Ø	
EX7	Well	–	1103	64.3	30.25	-0.2	0.4	14.6	0.6	8	22.4	Ø			Ø	
GMP25	GMP	–	1111	66.0	30.25	-0.2	1.0	10.6	0.6	19	9.4	Ø			0.03	
EX8	Well	–	1118	63.0	30.25	-0.2	0	9.2	8.2	0	2.8	Ø			Ø	
EX9	Well	–	1126	62.6	30.25	-0.2	0.5	10.9	1.2	10	8.2	Ø			Ø	
GMP26	GMP	–	1134	62.8	30.25	-0.2	Ø	7.7	2.5	Ø	0	0			Ø	Daily
GMP14	GMP	–	1145	65.0	30.25	-0.2	Ø	0.3	20.3	Ø	0	Ø			Ø	Daily
GMP15	GMP	–	1153	63.1	30.25	-0.2	Ø	1.4	18.2	Ø	0	Ø			–	
PV-4	Hydrosil	–	1204	–	30.25	-0.2	36.6	17.2	9.5	>	0	0			–	
PV-4	Carbon 1	–	1206	–	30.25	-0.2	53.8	30.2	0.7	>	0	0			–	
PV-4	Influent	–	1208	–	30.25	-0.2	76.7	33.9	0.4	>	0	0			–	
PV-3	~~Hydrosil~~ Carbon 2		1213	–	30.25	-0.2	36.4	21.4	0.3	>	0	0			–	
PV-3	~~Carbon 1~~ Hydrosil	–	1215	–	30.25	-0.2	11.4	7.3	14.8	>	0	0			–	
PV-3	Influent	–	1217	–	30.25	-0.2	32.6	20.6	0.5	>	0	0			–	
PV-2	Hydrosil	–	1222	–	30.25	-0.2	3.8	3.4	18.6	75	0	0			–	
PV-2	Carbon 1	–	1224	–	30.25	-0.2	33.9	23.5	0.1	>	0	0			–	
PV-2	Influent	–	1226	–	30.25	-0.2	32.9	22.3	0.2	>	0	0			Ø	
GMP02A	GMP	–	1233	64.0	30.25	-0.2	0.5	5.5	12.1	10	0.6	0.5			–	
PV-1	Hydrosil	–	1240	–	30.25	-0.2	0	0	20.1	Ø	Ø	Ø			–	
PV-1	Carbon 1	–	1242	–	30.25	-0.2	0.1	6.8	18.7	2	Ø	Ø			–	
PV-1	Influent	–	1244	–	30.25	-0.2	0.3	7.9	14.1	6	9.1	Ø			Ø	
GMP12	GMP	–	1247	64.0	30.25	0.2	Ø	4.2	12.4	Ø	3.6	Ø				

Name: James Medley
Date: 1/14/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP01A	Well	–	1355	72.9	30.21	-0.1	17.3	15.8	6.2	>100	0	0	–	Ex3/5	-	after shutdown at 1350

Name: James Medley
Date: 1/15/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	PV-1 Recovery Blower #1 Loc/ flowrate (cfm)	EX3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydrosil		1030	–	30.33	-0.2	41.4	18.3	1.3	>	0	0	5	5	–	
PV-4	Carbon 1		1032	–			52.7	26.2	0	>	0	0	5	5	–	
PV-4	Influent		1034	–			60.5	26.7	0	>	0	0			–	
PV-3	Hydrosil		1037	–			0	0.1	20.4	0	0	0			–	
PV-3	Carbon 1		1040				28.6	16.6	6.5	0	0	0			–	LEL=>100
PV-3	Influent		1042	–			30.6	19.5	0.2	0	0	0			–	LEL=>100
PV-2	Hydrosil		1047	–			0	0.1	20.3	0	0	0			–	
PV-2	Carbon 1		1049	–			18.7	15.2	13.6	0	0	0			–	LEL=>100
PV-2	Influent		1052	–			27.4	17.2	11.0	>	0	0			–	
GMP02A	GMP		1056	73			0.2	4.8	12.8	4	0	0			0.05	
GMP12	GMP		1105	74.7			0	4.0	14.2	0	0	0			0.09	
GMP01A	GMP		1116	74.3			20.0	20.3	1.1	>	1.6	0			0.10	
GMP14	GMP		1231	63.7	30.30	-0.1	0	0.3	20.6	0	0	0			0	
GMP15	GMP		1240	64.6	30.30	-0.1	0	1.4	17.8	0	0	0			0	
PV-1	Hydro		1255	–	30.27	-0.1	27.2	19.4	1.1	>	0	0	5	5	–	System on at 5 cfm PV-1
PV-1	Carbon 1		1300	–	30.27	-0.1	26.8	19.5	1.0	>	0	0	5	5	–	
PV-1	Influent		1303	–	30.27	-0.1	28.0	19.1	1.8	>	24.9	0	5	5	–	
EX1	Well		1308	68.2	30.27	-0.1	0	7.2	2.1	0	14.1	0	5	5	0.09	
GMP22	GMP		1318	71.2	30.27	-0.1	0.4	10.2	1.1	8	114.7	0	5	5	0.07	
EX2	Well		1328	71.6	30.27	-0.1	4.7	9.4	3.5	94	66.6	0	5	5	0.06	
EX3	Hydrosil		1337	–	30.27	-0.1	2.7	7.9	7.8	53	0	0	5	5	–	
EX3	Carbon 1		1340	–	30.27	-0.1	2.7	7.8	7.7	53	0	0	5	5	–	
EX3	Influent		1343	–	30.27	-0.1	2.7	7.9	8.2	54	107.8	0	5	5	–	
EX4	Well		1350	69.8	30.27	-0.1	0.1	2.7	2.3	1	69.4	0	5	5	0.15	
GMP23	GMP		1400	73.3	30.27	-0.1	0	1.3	7.5	0	81.6	0	5	5	0.02	
EX5	Well		1408	75.8	30.27	-0.1	0.6	3.7	9.4	12	12.8	0	5	5	0	
GMP03A	GMP		1416	72.9	30.27	-0.1	0	4.7	13.6	0	0	0	5	5	0	

Weather: Sunny, mild-mid 60s, slight breeze

Name: John Adams, James Morley
Date: 1/16/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	PV-1 Recovery Blower #1 Loc/ flowrate (cfm)	EX3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydrosil	-	0921	-	30.32	-0.4	1.6	1.4	19.6	32	Ø	Ø	5	5	-	
PV-4	Carbon 1	-	0923	-			32.7	21.9	8.6	>100	Ø	Ø			-	
PV-4	Influent	-	0925	-			28.4	19.7	3.7	>100	Ø	Ø			-	
PV-3	Hydrosil	-	0952	-			Ø.Ø	19.0.1	19.5	Ø	Ø	Ø			-	CO_2=0.1
PV-3	Carbon 1	-	0955	-			3.1	9.4	17.6	61	Ø	Ø			-	
PV-3	Influent	-	0957	-			10.3	12.2	15.5	>100	Ø	Ø			-	
PV-2	Carbon 1	-	1014	-			Ø	5.5	18.3	Ø	Ø	Ø			-	Carbon 1
PV-2	Hydrosil	-	1017	-			Ø	0.1	20.1	Ø	Ø	Ø			-	Hydrosil
PV-2	Influent	-	1020	-			0.2	9.7	18.2	5	9.1	Ø			-	
GMP02A	GMP	-	1025	69.1			Ø	Ø.1	19.2	Ø	Ø	Ø			0.08	
GMP01A	GMP	-	1033	68.9			Ø	4.3	16.9	Ø	Ø	Ø			0.10	
GMP12	GMP	-	1043	68.0			Ø	3.7	15.3	Ø	Ø	Ø			0.10	
EX1	Well	-	1052	58.5			Ø	8.2	0.3	Ø	4.5	Ø			Ø.10	
GMP22	GMP	-	1100	61.8			0.4	10.3	1.1	7	61.3	Ø			0.14	
EX2	Well	-	1108	57.6			2.7	10.9	2.8	53	14.9	Ø			0.14	
PV-1	Hydrosil	-	1115	—			14.8	14.3	6.9	>100	0	0			-	
PV-1	Carbon 1	-	1117	-			14.6	14.3	7.0	>100	0	0			-	
PV-1	Influent		1120	-			15.0	14.2	7.0	>100	7.9	0			-	
EX3	Hydrosil	-	1124	-			1.4	7.9	10.6	28	0	0			-	
EX3	Carbon 1	-	1126	-			1.4	7.9	10.6	28	0	0			-	
EX3	Influent		1129	-			1.4	7.9	9.9	28	23.1	0			-	
GMP11	GMP	-	1138	-			Ø	Ø.1	20.1	Ø	Ø	0			-	
GMP15	GMP	-	1257	62.6			Ø	1.4	18.4	Ø	Ø	0			Ø	
GMP14	GMP	-	1304	65.5			Ø	Ø.3	19.8	Ø	Ø	0			Ø	
EX4	Well		1319	65.7			Ø	2.0	7.3	Ø	37.9	Ø			0.10	VOCs = 74.3 ppm
GMP23	GMP		1329	61.1			Ø	1.3	7.2	Ø	122.9	Ø			Ø	
EX5	Well		1337	70.3	30.25	Ø	0.5	4.0	8.0	10	34.1	Ø			Ø	
GMP03A	GMP		1345	65.8	30.25	Ø	0	4.5	15.2	Ø	Ø	Ø			Ø	

OVM recalibrated at 1320 recovery 98.5 ppm

Weather: Sunny, mild wind, low-mid 50s

Name: James Medley

Date: 17-Jan-03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydrosil		845		30.22	-0.3	Ø	0.1	20.2	Ø	Ø	Ø	PV-1/5	EX3/5		
PV-4	Carbon 1		847				21.6	18.0	12.3	>100	Ø	Ø	PV-1/5	EX3/5		
PV-4	Influent		850				39.0	20.9	6.0	>100	Ø	Ø	PV-1/5	EX3/5		
PV-3	Hydrosil		855				Ø	0.1	19.0	Ø	Ø	Ø	PV-1/5	EX3/5		
PV-3	Carbon 1		858				0.2	7.1	17.7	3	Ø	Ø	PV-1/5	EX3/5		
PV-3	Influent		900				1.7	10.0	17.9	33	9.6	Ø	PV-1/5	EX3/5		
PV-2	Hydrosil		905				Ø	0.1	20.2	Ø	0	Ø	PV-1/5	EX3/5		
PV-2	Carbon 1		907				Ø	1.3	20.1	Ø	0	Ø	PV-1/5	EX3/5		
PV-2	Influent		910				Ø	5.2	19.2	Ø	14.6	Ø	PV-1/5	EX3/5		
GMP02A	GMP		915	66.8			Ø	2.1	17.9	Ø	3.9	Ø	PV-1/5	EX3/5	Ø.11	
GMP01A	GMP		923	69.3			Ø	2.9	18.5	Ø	Ø	Ø	PV-1/5	EX3/5	Ø.11	
GMP12	GMP		931	69.6			Ø	3.6	16.7	Ø	Ø	Ø	PV-1/5	EX3/5	Ø.07	
GMP15	GMP		941	66.9			Ø	1.5	17.7	Ø	Ø	Ø	PV-1/5	EX3/5	Ø	
GMP14	GMP		949	60.4			Ø	0.4	20.0	Ø	Ø	Ø	PV-1/5	EX3/5	Ø	
EX1	Well		958	62.2			Ø	8.2	Ø.2	Ø	10.4	0.8	PV-1/5	EX3/5	Ø.08	
GMP22	GMP		1006	68.9			Ø.3	10.3	0.9	6	1453	1.1	PV-1/5	EX3/5	Ø.10	
EX2	Well		1014	68.8			Ø	10.7	3.5	Ø	19.2	Ø	PV-1/5	EX3/5	0.13	
PV-1	Hydrosil		1022				12.9	13.4	7.8	>	0	0	PV-1/5	EX3/5		
PV-1	Carbon 1		1024				12.9	13.2	8.0	>	0	0	PV-1/5	EX3/5		
PV-1	Influent		1026				13.3	13.3	7.7	>	14.3	Ø	PV-1/5	EX3/5		
EX3	Hydrosil		1033				Ø.4	7.1	11.6	7	0	0	PV-1/5	EX3/5		
EX3	Carbon 1		1035				Ø.4	7.0	11.6	7	0	0	PV-1/5	EX3/5		
EX3	Influent		1038				Ø.4	6.9	11.6	7	48.6	Ø	PV-1/5	EX3/5		
EX4	Well		1044	55.9			Ø.1	2.8	1.7	1	59.9	Ø	PV-1/5	EX3/5	0.14	
GMP23	GMP		1051	56.0			Ø	1.5	6.4	Ø	8.5	Ø	PV-1/5	EX3/5	Ø	
EX5	Well		1058	64.8			Ø.6	4.2	7.0	11	3.1	Ø	PV-1/5	EX3/5	Ø	
GMP03A	GMP		1106	64.6	↓	↓	Ø	4.6	15.2	Ø	0	0	PV-1/5	EX3/5	Ø	

Weather: Overcast, cool (low 50s), calm winds

Name: James Medley, John Adams

Date: January 20, 2003

Performance Monitoring Log

Sampling Location: Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	PV-1 Recovery Blower #1 Loc/ flowrate (cfm)	Ex 3 Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
PV-4	Hydro		1206	-	30.21	-0.3	1.5	1.9	19.0	30	0	0	5	5	-	
PV-4	Carbon 1		1208	-			25.4	17.5	9.3	>100	0	0			-	
PV-4	Influent		1210	-			37.7	23.1	1.4	>100	0	0			-	
PV-3	Hydrosil		1215	-			0	0.1	19.4	0	0	0			-	
PV-3	Carbon 1		1217	-			0	2.0	19.2	0	0	0			-	
PV-3	Influent		1219	-			2.8	7.8	14.1	57	0	0			-	
PV-2	Hydrosil		1224	-			0	0.1	19.3	0	0	0			-	
PV-2	Carbon 1		1226	-			0	0.1	19.1	0	0	0			-	
PV-2	Influent		1226	-			0.1	0.8	20.1	1	0	0			-	
GMP02A	GMP		1233	54.1			0	1.3	19.4	0	0	0			-	
GMP01A	GMP		1242	54.8			0	0.1	19.7	0	0	0			0.05	
GMP12	GMP		1251	55.7			0	3.7	15.9	0	0	0			0.05	
EX1	Well		1301	53.9			0	8.4	0.9	0	0	0			0.08	
GMP22	GMP		1310	56.1			0.3	10.1	1.2	5	2.8	0			0.08	
EX2	Well		1318	53.7			0.1	6.6	11.1	2	4.6	0			0.06	
PV-1	Hydrosil		1326	-			14.6	14.9	5.4	>100	0	0			0.10	
PV-1	Carbon 1		1328	-			14.6	15.0	5.8	>100	0	0			-	
PV-1	Influent		1330	-			14.8	14.7	5.8	>100	5.7	0			-	
EX3	Hydrosil		1335	-			0	5.0	14.6	0	0	0			-	
EX3	Hydrosil carbon 1		1338	-			0	4.9	14.7	0	0	0			-	
EX3	~~Carbon 1~~ Influent		1341	-			0	4.9	15.0	0	7.8	0			-	
EX4	~~Influent~~ Well		1351	55.0			0.1	2.6	5.6	1	10.9	0			0.12	
GMP03	GMP		1400	54.4			0.1	1.8	4.7	1	31.3	0			0	
EX5	Well		1408	54.9			0.1	1.6	15.3	1	6.6	0			0	
GMP03A	GMP		1418	53.7	↓	↓	0	4.7	15.7	0	0	0			0	
GMP15	GMP		1429	52.3	30.17	-0.3	0	1.5	18.1	0	0	0			0	
GMP14	GMP		1438	52.7	30.17	-0.3	0	0.3	20.6	0	0	0			0	
			Systems shutdown				EX3 at 1445		at PV-1		at 1450					

Name: J. Medley, J. Ada
Date: 1/22/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recove Blower # Loc/ flowr (cfm)
GMP09A	GMP	–	935	67.3	30.26	-0.5	0	3.2	9.7	0	0	0	–	–
GMP08A	GMP	–	945	66.6			1.5	3.8	0	30	0	0	–	–
EX10	Well	–	954	67.5			0	3.6	7.0	0	0	0	–	–
PV-4	Hydrosil	–	1003	–			50.8	19.6	0	>100	0	0	–	–
PV-4	Carbon 1	–	1005	–			52.4	25.2	0.1	>100	0	0	–	–
PV-4	Influent	–	1007	–			30.1	18.1	0.5	>100	0	0	–	–
EX														
GMP07A	GMP	–	1012	70.0	30.26	-0.5	0	6.8	6.6	0	0	0	–	–
GMP06A	GMP	–	1020	64.9			0	4.6	0	0	0	0	–	–
PV-3	Hydrosil	–	1028	–			0	0.2	19.2	0	0	0	–	–
PV-3	Carbon 1	–	1031	–			29.7	17.8	0.9	>100	0	0	–	–
PV-3	Influent	–	1033	–			21.4	16.1	0.1	>100	0	0	–	–
GMP05	GMP		1038	67.3			0	2.8	2.7	0	0	0	–	–
GMP04A	GMP		1046	65.8			0	8.2	1.1	0	0	0	–	–
PV-2	Hydrosil		1053	–			0.1	0.4	20.2	1	0	0	–	–
PV-2	Carbon 1		1056	–			17.5	16.0	7.5	>100	0	0	–	–
PV-2	Influent		1058	–			14.8	15.7	0.2	>100	0	0	–	–
GMP03A	GMP		1106	63.7			0	2.1	13.6	0	0	0	–	–
GMP01A	GMP		1114	63.3			0	4.6	7.8	0	0	0	–	–
PV-1	Hydrosil		1121	–			0.3	1.6	20.0	5	0	0	–	–
PV-1	Carbon 1		1123	–			28.6	22.0	1.3	>100	0	0	–	–
PV-1	Influent		1125	–			30.6	20.5	0.2	>100	0	0	–	–
GMP12	GMP		1130	64.5			0	4.1	12.3	0	0	0	–	–
GMP11A	GMP		1138	64.8			0	0.1	20.2	0	0	0	–	–
EX1	Well		1328	66.0			0	8.5	0.6	0	0.4	0	–	–
GMP22	GMP		1336	64.4			0.2	9.9	0.8	3	–	0	–	–
EX2	Well		1344	64.2			0.1	9.2	6.7	2	62	0	–	–
EX3	Well		1353	66.2			0	4.3	13.5	0	33.1	0	–	–
EX4	Well		1401	65.7			0	3.0	2.9	0	53.4	0	–	–
GMP23	GMP		1409	63.0			0	1.9	3.2	0	75.3	0	–	–
EX5	Well		1417	65.5			0.2	2.9	10.0	3	16.2	0	–	–
GMP03A	GMP		1425	64.4			0	4.8	14.2	0	0	0	–	–
EX6	Well		1434	62.1			0	2.5	12.0	0	4.9	0	–	–
GMP24	GMP		1441	62.7			0.3	11.0	0	5	59.8	0	–	–
EX7	Well		1449	63.9			0.4	12.3	0	7	15.3	0	–	–

Name: John Adams James Medley
Date: 1/22/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/(F))	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP25	GMP		1455	63.1	30.26	-0.5	0.8	9.6	Ø	15	6.2	Ø	–	–	Ø	
EX4	well		1501	64.2	↓	↓	Ø	11.5	2.8	Ø	Ø	Ø	–	–	Ø	
EX9	well		1508	63.7			Ø.4	10.1	0.6	7	3.8	Ø	–	–	Ø	
GMP26	GMP		1515	63.0			Ø	7.7	2.8	Ø	Ø	Ø	–	–	Ø	

weather: thick fog, cool, calm winds, low 50s

Name: James Medley, John Adams
Date: 1/29/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP09	GMP	-	0920	64.4	30.34	-0.2	0	3.2	10.1	0	0	0	-	-	0	
PV-4	Hydrosil	-	0928	-			43.8	20.2	0	>	0	0	-	-	-	
PV-4	Carbon 1	-	0931	-			44.7	21.5	0	>	0	0	-	-	-	
PV-4	Influent	-	0933	-			21.8	18.5	1.1	>	1.7	0	-	-	-	
GMP08A	GMP	-	0937	66.9			1.5	3.7	0	30	0	0	-	-	0	
EX10	Well	-	0947	63.7			0	3.9	6.6	0	0	0	-	-	0	
GMP07A	GMP	-	0957	66.0			0.1	8.5	5.7	1	0	0	-	-	0	
GMP06A	GMP	-	1006	57.5			0.3	5.0	0	6	0	0	-	-	0	
PV-3	Hydrosil	-	1012	-			0.2	0.4	19.5	4	0	0	-	-	-	
PV-3	Carbon 1	-	1014	-			36.7	15.3	0	>	0	0	-	-	-	
PV-3	Influent	-	1017	-			35.5	17.1	0	>	0	0	-	-	-	
GMP05A	GMP	-	1022	57.7			0	3.1	0.8	0	0	0	-	-	0	
GMP04A	GMP	-	1031	59.1			0.2	8.5	0.3	3	0	0	-	-	0	
PV-2	Hydrosil	-	1039	-			0	0.1	20.6	0	0	0	-	-	-	
PV-2	Carbon 1	-	1041	-			23.0	16.2	10.2	>100	0	0	-	-	-	
PV-2	Influent	-	1043	-			25.2	16.5	3.4	>	0	0	-	-	-	
GMP02A	GMP	-	1049	63.0			0	3.6	5.0	0	0	0	-	-	0	
GMP01A	GMP	-	1057	58.3			3.3	7.8	0	6.6	0	0	-	-	0	
PV-1	Hydrosil	-	1105	-			0	0.1	20.7	0	0	0	-	-	-	
PV-1	Carbon 1	-	1107	-			27.8	18.2	11.1	>	0	0	-	-	-	
PV-1	Influent	-	1109	-			30.3	19.7	10.3	>	1.1	0	-	-	-	
GMP12	GMP	-	1114	65.3			1.6	4.4	0	33	0	0	-	-	0.02	
GMP11A	GMP	-	1122	60.4			0	0.1	19.7	0	0	0	-	-	0.02	
GMP10	GMP	-	1131	62.8			0	4.8	7.4	0	0	0	-	-	0	
EX1	Well	-	1330	63.3			0	8.4	0.5	0	0	0	-	-	0	
GMP22	GMP	-	1338	62.8			0.1	9.9	0.2	2	32.7	0	-	-	0	
EX2	Well	-	1346	66.2			0	9.6	2.7	0	19.4	0	-	-	0	
EX3	Well	-	1354	66.4			0	5.3	9.3	0	17.2	0	-	-	0	
EX4	Well	-	1403	63.3			0	3.4	1.2	0	16.8	0	-	-	0	
GMP23	GMP	-	1411	63.0			0	2.5	1.3	0	46.5	0	-	-	0	
EX5	Well	-	1419	68.7			0.1	4.7	2.1	1	14.6	0	-	-	0	
GMP03A	GMP	-	1427	65.1			0	6.9	3.7	0	0	0	-	-	0	
EX6	Well	-	1435	64.6			0	3.2	10.1	0	3.8	0	-	-	0	
GMP24	GMP	-	1443	65.3			0.4	10.7	0.1	7	17.1	0	-	-	0	
EX7	Well	-	1451	66.9			0.4	12.0	0.4	8	5.7	0	-	-	0	

Name: James Medley, John Adams
Date: 1/29/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP25	GMP		1500	64.8	30.34	-0.2	0.8	9.7	Ø	15	3.1	Ø	-	-	Ø	
EX8	Well		1506	66.7	30.34	-0.2	Ø	9.6	6.0	Ø	Ø	Ø	-	-	Ø	
EX9	Well		1518	65.9	30.34	-0.2	0.3	9.6	0.9	6	2.7	Ø	-	-	Ø	
GMP26	GMP		1527	64.8	30.34	-0.2	Ø	7.9	2.6	Ø	Ø	Ø	-	-	Ø	

Weather: sunny, windy, 50s °F

Name: John Adams James Medley

Date: February 5, 2003

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP01A	GMP	–	901	66.4	30.11	-0.3	8.9	12.2	Ø	>	Ø	Ø			Ø	
GMP12	GMP	–	909	71.4	↓	↓	2.5	6.8	Ø	50	Ø	Ø			Ø	
GMP11	GMP	–	918	74.4	↓	↓	Ø	2.6	0.2	Ø	Ø	Ø	SCFM		Ø .04	
GMP09	GMP	–	1027	72.1	30.08	-0.1	Ø	3.3	12.6	Ø	Ø	Ø			Ø	
PV-4	Hydrosil	–	1037	–	30.08	-0.1	35.0	4.6	17.7	>100	Ø	Ø			–	CH_4 = 8.6
PV-4	Carbon 1	–	1039	–	30.08	-0.1	32.8	23.0	6.0	>100	Ø	Ø			–	
PV-4	Influent	–	1041	–	30.08	-0.1	35.0	26.4	4.7	>100	Ø	Ø			–	
GMP08A	GMP	–	1050	76.1	30.08	-0.1	1.6	3.9	0.2	31	Ø	Ø			Ø	
Ex10	Well	–	1102	63.6	30.08	-0.1	Ø	3.2	10.9	Ø	Ø	Ø			Ø	
GMP07A	GMP	–	1115	69.9	30.08	-0.1	Ø	9.1	3.9	Ø	Ø	Ø			Ø	
GMP06A	GMP	–	1125	73.4			0.2	5.5	0.1	3	Ø	Ø			Ø	
PV-3	Hydrosil	–	1133	–			36.5	17.2	0.4	>100	Ø	Ø			–	
PV-3	Carbon 1	–	1135	–			39.5	18.3	0.3	>100	Ø	Ø			–	
PV-3	Influent	–	1137	–			26.8	17.6	0.4	>100	Ø	Ø			–	
GMP05B	GMP	–	1145	74.8			Ø	3.3	0.8	Ø	Ø	Ø			Ø	
GMP04	GMP		1156	72.9			0.7	9.2	0.2	13	Ø	Ø			Ø	
PV-2	Hydrosil	–	1206	–			27.7	15.8	3.4	>100	Ø	Ø			–	
PV-2	Carbon 1	–	1208	–			31.3	19.7	0.5	>100	Ø	Ø			–	
PV-2	Influent	–	1211	–			24.1	16.3	2.9	>100	Ø	Ø			–	
GMP02A	GMP	–	1218	71.1			2.0	4.8	0.8	41	0.4	Ø			Ø .04	
GMP01A	GMP	–	1228	73.7			5.4	10.8	Ø	>100	Ø	Ø			Ø .02	
GMP12	GMP	–	1237	73.0	↓	↓	2.2	6.5	Ø	44	Ø	Ø			Ø .02	recalibrate OVM
Ex1	Well	–	1302	70.3	30.07	-0.1	Ø	8.4	0.5	Ø	10.6	Ø			Ø	
GMP22	GMP	–	1309	70.7			Ø	10.2	0.4	Ø	86.8	0.3			Ø	
Ex2	Well	–	1318	64.4			Ø	9.7	1.4	Ø	62.3	Ø			Ø	
PV-1	Hydrosil	–	1328	–			30.6	20.1	0.4	>100	Ø	Ø			–	System
PV-1	Carbon 1	–	1330	–			30.5	19.9	0.4	>100	Ø	Ø			–	monitoring
PV-1	Influent	–	1333	–			31.3	19.9	1.2	>100	4.3	Ø			–	↓
Ex3	Well	–	1340	76.3			Ø	1.3	17.6	Ø	16.8	Ø			Ø	
Ex4	Well	–	1348	64.9			Ø	3.7	Ø	Ø	82.9	Ø			Ø	
GMP23	GMP	–	1356	64.8			Ø	2.9	Ø	Ø	91.0	Ø			Ø	
Ex5	Well	–	1404	66.6			Ø	4.9	0.4	Ø	68.1	Ø			Ø	
GMP03A	GMP	–	1411	69.1			Ø	8.5	0.6	Ø	Ø	Ø			Ø	
Ex6	Well	–	1420	70.2			Ø	3.7	8.7	Ø	17.2	Ø			Ø	
GMP24	GMP	–	1429	71.5	↓	↓	0.5	10.5	0.2	9	69.6	Ø	↓		Ø	

Name: James Medley, John Adams
Date: 2/5/03

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
EX7	Well		1438	75.4	30.07	-0.1	0.3	11.9	0.3	6	29.3	Ø	5		Ø	
GMP25	GMP		1445	73.8	↓	↓	0.9	9.4	0.3	17	13.8	Ø	↓		Ø	
EX8	Well		1453	65.3	↓	↓	Ø	8.5	7.5	Ø	3.7	Ø	↓		Ø	
EX9	Well		1500	78.8	↓	↓	0.3	9.6	1.4	5	10.6	Ø	↓		Ø	
GMP26	GMP		1507	65.5	↓	↓	Ø	7.7	4.3	Ø	0.8	Ø	↓		Ø	

Weather: rainy, light breeze. 50s °F

Name: J. Medley, J. Adams
Date: 2/12/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	PV-1 Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
IRDMW36A	GW Well		920	67.6	29.85	4.3	6.8	3.6	14.0	>	Ø	Ø	5		Ø	
GMP06	GMP		936	58.6	29.82	-0.1	Ø	3.5	10.7	Ø	Ø	Ø			Ø	
PV-4	Hydrosil		945	–			1.8	2.5	18.6	36	Ø	Ø			–	
PV-4	Carbon 1		949	–			23.9	18.0	9.4	>100	Ø	Ø			–	
PV-4	Influent		953	–			28.2	20.4	7.8	>100	Ø	Ø			–	
GMP08A	GMP		1000	59.4			1.8	3.9	Ø	35	Ø	Ø			Ø	
EX10	Well		1010	59.0			Ø	3.6	9.4	Ø	Ø	Ø			Ø	
GMP07A	GMP		1022	60.6			Ø	10.1	6.4	Ø	Ø	Ø			Ø	
GMP06	GMP		1032	65.1			0.1	6.1	Ø	1	Ø	Ø			–	
PV-3	Hydrosil		1041	–			28.0	15.1	0	>100	Ø	Ø			–	
PV-3	Carbon 1		1045	–			30.0	16.5	Ø	>100	Ø	Ø			–	O_2 = Ø
PV-3	Influent		1048	–			26.9	18.6	0.1	>100	0.8	Ø			Ø	
GMP05B	GMP		1055	61.2			Ø	2.8	8.9	Ø	Ø	Ø			Ø	
GMP04A	GMP		1105	58.3			Ø	10.3	0.4	Ø	Ø	Ø			–	
PV-2	Hydrosil		1114	–			9.1	5.7	5.5	>100	Ø	Ø			–	
PV-2	Carbon 1		1117	–			23.9	16.4	0	>100	Ø	Ø			–	
PV-2	Influent		1120	–			23.1	18.5	2.8	>100	Ø	Ø			Ø.01	
GMP02A	GMP		1127	58.5			Ø	4.2	9.4	Ø	Ø	Ø			Ø	
GMP01A	GMP		1137	58.4			Ø	6.5	15.1	Ø	Ø	Ø			Ø	
GMP12	GMP		1146	58.3			Ø	8.3	4.3	Ø	Ø.3	Ø			Ø	
GMP11	GMP		1155	57.7			Ø	8.6	3.7	Ø	Ø	Ø			Ø	
GMP10	GMP		1205	58.7			Ø	7.4	8.4	Ø	Ø	Ø			Ø	
EX1	Well		1412	63.3	29.71	-0.3	0.1	9.1	Ø	1	4.7	Ø			–	
PV-1	Hydro		1420	–			28.2	19.9	3.5	>100	Ø	Ø			–	
PV-1	Carbon 1		1423	–			28.7	19.7	2.3	>100	Ø	Ø			–	
PV-1	Influent		1426	–			28.7	19.6	3.3	>100	3.1	Ø			–	
GMP22	GMP		1433	62.0			0.1	10.6	0.3	2	15.3	Ø			Ø	
EX2	Well		1440	63.3			Ø	9.4	4.8	Ø	11.9	Ø			0.01	
EX3	Well		1449	61.0			Ø	2.2	13.9	Ø	2.7	Ø			Ø	
EX4	Well		1457	61.1			Ø.2	4.3	Ø	3	14.3	Ø			Ø	
GMP23	GMP		1507	60.5			Ø.1	3.6	Ø	2	14.8	Ø			Ø	
EX5	Well		1515	61.1			Ø.1	2.9	7.7	1	5.7	Ø			Ø	
GMP03A	GMP		1524	60.8			Ø	7.8	9.4	Ø	Ø	Ø			Ø	
EX6	Well		1533	61.2			Ø	5.9	6.6	Ø	5.1	Ø			Ø	
GMP24	GMP		1543	63.0			Ø.8	11.4	Ø	15	9.6	Ø				

Name: John Adams, James Medley
Date: 2/12/03

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
Ex7	Well	-	1551	63.0	29.71	-0.3	0.5	12.8	0	9	5.0	0	5	-	0	
GMP25	GMP	-	1600	63.7	↓	↓	0.3	9.4	3.3	6	8.8	0	↓	-	0	
Ex8	Well	-	1609	63.1			0	9.4	7.0	0	0	0		-	0	
Ex9	Well	-	1617	64.2			0.3	10.8	1.5	6	0	0		-	0	
GMP26	GMP	-	1628	61.2			0	6.6	9.5	0	0	0		-	0	

Weather: Rainy, light breeze, low 50s

Name: James Medley, John Adams

Date: 2/19/03

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP09	GMP		930	61.5	30.22	-0.3	Ø	3.7	13.3	Ø	Ø	Ø	5		Ø	
PV-4	Hydrosil		940	–			0.2	1.1	18.9	4	Ø	Ø			–	
PV-4	Carbon 1		944	–			19.2	17.5	10.8	>100	Ø	Ø			–	
PV-4	Influent		947	–			23.9	19.4	10.4	>100	Ø	Ø			–	
GMP08A	GMP		953	57.0			1.7	3.9	Ø	33	Ø	Ø			Ø	
EX10	Well		1004	62.9			Ø	3.6	9.3	Ø	Ø	Ø			Ø	
GMP07A	GMP		1015	61.0			Ø	8.2	5.0	Ø	Ø	Ø			Ø	
PV-3	Hydrosil		1024	–			7.2	3.5	8.5	>100	Ø	Ø			–	
PV-3	Carbon 1		1027	–			26.1	15.5	Ø	>100	Ø	Ø			–	
PV-3	Influent		1031	–			24.5	18.8	0.4	>100	Ø	Ø			–	
GMP06A	GMP		1036	60.1			0.5	6.6	Ø	10	Ø	Ø			Ø	
GMP05B	GMP		1045	56.3			Ø	3.1	6.4	Ø	Ø	Ø		–	Ø	
GMP04A	GMP		1055	58.1			Ø	9.9	6.3	Ø	Ø	Ø		–	Ø	
PV-2	Hydrosil		1105	–			1.1	.1	13.2	23	Ø	Ø		–	–	
PV-2	Carbon 1		1108	–			15.4	8.1	Ø	>100	Ø	Ø		–	–	
PV-2	Influent		1111	–			17.4	18.2	Ø	>100	Ø	Ø		–	–	
GMP01A	GMP		1120	61.3			Ø	2.5	14.8	Ø	0.4	Ø		–	Ø	
GMP01A	GMP		1129	62.3			Ø	4.0	15.4	Ø	Ø	Ø		–	Ø.01	
GMP12	GMP		1139	59.7			Ø	9.3	2.3	Ø	Ø	Ø		–	Ø.01	
GMP11	GMP		1148	60.3			Ø	0.1	20.1	Ø	Ø	Ø		–	Ø	
GMP10	GMP		1158	60.7			Water in well cannot monitor							–		
EX1	Well		1401	68.0	30.15	-0.1	Ø	8.4	0.9	Ø	16.4	Ø		–	Ø	
PV-1	Hydrosil		1410	–			23.4	20.0	Ø	>100	Ø	Ø		–	–	
PV-1	Carbon 1		1413	–			23.1	19.8	Ø	>100	Ø	Ø		–	–	
PV-1	Influent		1415	–			22.8	19.5	1.0	>100	373	Ø		–	–	
GMP22	GMP		1420	69.6			Ø	9.7	2.0	Ø	4.8	Ø		–	0.01	
EX2	Well		1429	70.3			Ø	7.7	7.3	Ø	12.4	Ø		–	0.01	
EX3	Well		1440	67.6			Ø	2.5	12.6	Ø	3.8	Ø		–	0.01	
EX4	Well		1449	64.8			0.1	4.1	1.3	2	Ø	Ø		–	Ø	
GMP23	GMP		1458	61.5			0.1	3.5	0.4	2	Ø	Ø		–	Ø	
EX5	Well		1507	66.6			0.2	5.3	0.1	4	Ø	Ø		–	Ø	

Weather:

Name: James Medley

Date: 2/19/03

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP03A	GMP		1517	63.7	30.15	-0.1	Ø	4.7	14.6	Ø	Ø	Ø	5		Ø	
Ex6	Well		1527	68.0	30.15	-0.1	Ø	2.2	14.1	Ø	Ø	Ø			Ø	
GMP04	GMP		1537	66.0			Ø.7	10.8	Ø	14	Ø	Ø			Ø	OVM drifting
Ex7	Well		1545	64.8			Ø.4	12.1	0.8	7	Ø	Ø			Ø	OVM recalibrated
GMP05	GMP		1553	64.0			Ø.7	9.9	0.4	14	Ø	Ø			Ø	
Ex8	Well		1600	61.9			Ø	10.5	5.3	Ø	Ø	Ø			Ø	
Ex9	Well		1608	65.7			Ø.2	10.2	2.5	5	Ø	Ø			Ø	
GMP06	GMP		1618	68.2			Ø	7.5	7.0	Ø	Ø	Ø			Ø	

Weather: cloudy, windy, low 50s

Name: James Medley

Date: 2/26/03

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/(E))	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP09	GMP		835	58.5	29.96	-0.3	Ø	3.7	14.7	Ø	Ø	Ø	5		Ø	
PV-4	Hydrosil		844	–			Ø.2	1.2	19.4	4	Ø	Ø			–	
PV-4	Carbon 1		847	–			16.6	16.7	12.5	>100	Ø	Ø			–	
PV-4	Influent		850	–			19.4	18.6	11.1	>100	2.6	Ø			–	
GMP08	GMP		856	60.3			1.6	4.0	0.3	32	Ø	Ø			Ø	
EX10	Well		908	59.2			Ø	3.9	9.2	Ø	Ø	Ø			Ø	
GMP07	GMP		918	58.3			Ø	6.8	10.3	Ø	Ø.6	Ø			Ø	
GMP06	GMP		927	60.1			1.7	6.9	Ø	33	1.1	Ø			Ø	
PV-3	Hydrosil		934	–			0.3	0.9	19.8	6	Ø	Ø			–	
PV-3	Carbon 1		937	–			25.2	17.9	7.4	>100	Ø	Ø			–	
PV-3	Influent		940	–			9.7	15.1	4.4	>100	Ø	Ø			–	
GMP05B	GMP		945	61.5			Ø	3.4	4.6	Ø	1.3	Ø		–	Ø	
GMP04	GMP		955	61.0			0	10.2	3.8	Ø	Ø	Ø		–	Ø	
PV-2	Hydrosil		1004	–			0	0.1	19.5	Ø	Ø	Ø		–	–	
PV-2	Carbon 1		1007	–			14.5	15.1	14.1	>100	Ø	Ø		–	–	
PV-2	Influent		1010	–			5.9	9.8	9.4	>100	2.3	Ø		–	–	
GMP03A	GMP		1028	63.6	29.95	-0.3	Ø	3.3	10.6	Ø	Ø	Ø		–	Ø.01	
GMP04	GMP		1038	63.5			Ø	4.2	16.0	Ø	Ø	Ø		–	Ø.01	
GMP12	GMP		1048	66.6			Ø	9.2	0.7	Ø	0	0		–	0.01	
GMP11	GMP		1057	66.9			Ø	Ø.1	18.7	Ø	Ø	Ø		–	–	
GMP10	GMP		1106	63.3	29.94	-0.3	Ø	8.7	5.3	Ø	Ø	Ø		–	–	
PV-1	Hydrosil		1220	–	29.93	-0.2	8.9	11.0	8.5	>100	Ø	Ø			Ø	System monitoring
PV-1	Carbon 1		1223	–			9.5	11.0	8.4	>100	1.1	Ø			–	
PV-1	Influent		1226	–			9.3	11.1	7.1	>100	4.9	Ø			–	
EX1	Well		1231	63.0			Ø	4.9	7.4	Ø	0.7	Ø			Ø	
GMP22	GMP		1239	61.3			0.1	10.2	1.8	2	45.7	Ø			Ø	
EX2	Well		1249	63.7			Ø	7.8	7.5	Ø	17.3	Ø			Ø	
EX3	Well		1259	63.0			Ø	~~4.2~~ 14.1	14.1	Ø	7.5	Ø			Ø	CO_2 - 2.1
EX4	Well		1308	61.9			Ø.3	4.7	0.3	5	330	Ø			Ø	
GMP23	GMP		1318	60.0			Ø.2	4.0	Ø	3	58.9	Ø			Ø	
EX5	Well		1326	64.9			0.3	5.7	Ø	5	350	Ø			Ø	

Weather: Cloudy, windy, and 50s

Name: James Medley

Date: 2/26/03

Performance Monitoring Log

Sampling Location							GEM2000				PID		PV-1			
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP03	GMP		1335	59.5	29.93	-0.2	Ø	4.8	14.6	Ø	Ø	Ø	5		0	
EX6	Well		1344	61.7			Ø	1.0	17.9	Ø	2.2	Ø			0	
GMP24	GMP		1353	63.3			Ø.9	11.2	Ø	17	33.0	Ø			0	
EX7	Well		1401	61.7			Ø.4	12.4	Ø	8	14.4	Ø			0	
GMP25	GMP		1410	62.1			Ø.8	10.6	Ø	15	9.5	Ø			0	
EX8	Well		1418	60.1			Ø	9.9	5.3	Ø	Ø.6	Ø			0	
EX9	Well		1427	63.5			Ø.3	10.7	Ø.4	5	6.0	Ø			0	
GMP26	GMP		1435	62.8			Ø	8.5	5.4	Ø	Ø	Ø			0	

Weather: Sunny, breezy, mid 50s

Name: James Medley, John Adams

Date: 3/19/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP09			1010	66.6	30.18	-0.2	0	3.2	16.5	0	Ø	Ø	–			
PV-4	Hydrosil		1019	–			4.3	5.2	18.0	86	Ø	Ø	–			
PV-4	Carbon 1		1022	–			12.1	17.8	13.0	>100	Ø	Ø	–			
PV-4	Influent		1025	–			12.7	15.0	13.3	>100	~~Ø~~	Ø	–			NMOCs: 3.7
GMP08	GMP		1030	77.8			1.6	3.8	Ø	31	5.9	Ø	–			
EX10	Well		1041	73.4			Ø	2.6	14.1	Ø	Ø	Ø	–			
GMP07	GMP		1051	73.2			Ø	10.4	6.7	Ø	0.5	Ø	–			
GMP06	GMP		1100	75.0			0.4	7.3	0.8	8	60.6	Ø	–			
PV-3	Hydrosil		1108	–			28.0	18.0	0.3	>	Ø	Ø	–			
PV-3	Carbon 1		1111	–			27.4	19.7	Ø	>	Ø	Ø	–			
PV-3	Influent		1113	–			29.6	20.0	Ø	>	0.5	Ø	–			
GMP05	GMP		1119	75.4			Ø	3.5	4.6	Ø	Ø	Ø	–	–		
GMP04	GMP		1127	74.1			Ø	11.0	2.5	Ø	Ø	Ø	–	–		
PV-2	Hydrosil		1136	–			15.6	5.5	5.8	>	Ø	Ø	–	–		
PV-2	Carbon 1		1139	–			29.6	19.7	0.7	>	Ø	Ø	–	–		
~~GMP02~~	PV-2 Influent		1142	–			26.0	19.5	3.9	>	20	Ø	–	–		VOCs: 2.0
GMP01	GMP		1148	73.2			Ø	4.1	7.7	Ø	Ø	Ø	–	–		
GMP01A	GMP		1155	70.1			0.2	10.4	2.4	4	Ø	Ø	–	–		
PV-1	Hydrosil		1203	–			31.4	24.5	0.4	>100	Ø	Ø	–	–		
PV-1	Carb 1		1205	–			34.7	21.8	0.3	>100	Ø	Ø	–	–		
PV-1	Influent		1207	–			35.4	22.2	0.6	>100	1.6	Ø	–	–		
GMP12	GMP		1210	74.3			Ø	9.5	0.4	Ø	1.6	Ø	–	–		
GMP11	GMP		1219	75.4			Ø	2.6	10.7	Ø	Ø	Ø	–	–		
GMP10	GMP		1228	75.7			Ø	10.7	5.2	Ø	Ø	Ø	–	–		
EX1	Well		1421	74.3	30.10	+0.1	Ø	8.5	2.7	Ø	0.5	Ø	–	–		
GMP22	GMP		1428	74.8			0.1	9.8	1.9	1	38.5	Ø	–	–		
EX2	Well		1435	78.0			Ø	0.5	19.6	Ø	9.3	Ø	–	–		
EX3	Well		1444	76.1			Ø	4.8	7.7	Ø	14.4	Ø	–	–		
EX4	Well		1452	76.1			0.4	5.1	0.9	8	28.3	Ø	–	–		
GMP23	GMP		1500	73.2			0.3	4.3	1.0	5	45.0	Ø	–	–		
EX5	Well		1508	77.0			0.3	6.0	1.1	6	23.5	Ø	–	–		

Weather: Sunny, breezy, 50s

Name: James Medley, John Adams

Date: 3/19/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP03A	GMP		1515	74.5	30.10	+0.1	0	6.1	6.6	0	0.5	0	–		–	
EX6	Well		1522	71.3	↓	↓	0	1.2	17.5	0	2.7	0.5	–		–	
GMP04	GMP		1530	78.9	↓	↓	1.2	11.0	1.1	23	17.9	0.5	–		–	
EX7	Well		1538	70.2	↓	↓	0	11.1	2.7	0	11.4	0.5	–		–	
GMP25	GMP		1546	72.0	↓	↓	0.5	10.1	1.3	10	9.2	0	–		–	
EX8	Well		1555	72.0	↓	↓	0	5.0	15.3	0	1.6	0	–		–	
EX9	Well		1603	73.0	↓	↓	0	7.8	5.2	0	3.8	0	–		–	
GMP26	GMP		1613	75.0	↓	↓	0	9.3	4.8	0	0.5	0.5	–		–	

Weather: partly cloudy, breezy, 50°s

Name: James Medley

Date: 4/21/03

Performance Monitoring Log

Sampling Location							GEM2000				PID						
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP09A	GMP	-	1245		29.92	-0.1	Ø	3.6	16.4	Ø	Ø	Ø	PV-1/5cfm			
GMP08A	GMP	-	1253				1.4	4.3	Ø	27	Ø	Ø				
EX10	Well		1301				Ø	2.7	12.8	Ø	Ø	Ø				
PV-4	Hydrosil		1310				1.9	3.9	18.7	39	Ø	Ø				
PV-4	Carbon 1		1312				6.2	13.5	15.Ø	>	Ø	Ø				
PV-4	Influent		1315				6.7	12.3	14.8	>	4.1	Ø				
GMP07A	GMP		1319				Ø	9.9	6.Ø	Ø	Ø	Ø				
GMP06A	GMP		1327				Ø	9.1	Ø	Ø	Ø	Ø				
PV-3	Hydrosil		1334				21.7	18.4	0.6	>	Ø	Ø				
PV-3	Carbon 1		1338				26.2	20.7	0	>	Ø	Ø				
PV-3	Influent		1340				18.9	17.2	0.7	>						
GMP64			1343				Ø	9.1	Ø	Ø	Ø	Ø				
EX-1			1349				Ø	0.2	20.8	Ø	Ø	Ø				
GMP22			1355				Ø	9.5	2.5	Ø	12.4	Ø				
EX-2			1400				Ø	0.1	20.8	Ø	Ø	Ø				
EX-3			1407				Ø	0.5	20.0	Ø	Ø	Ø				LEL = 4
EX-4			1405				0.2	3.2	10.9	Ø	Ø	Ø				LEL = 6
GMP23			1422				0.3	6.0	0.0	Ø	33.3	Ø				
EX-5			1428				0.6	7.4	0.7	12	24.9	Ø				
GMP-03A			1436				Ø	5.1	15.1	Ø	Ø	Ø				
EX-6			1444				Ø	0.1	20.9	Ø	Ø	Ø				
GMP-24			1451				1.3	12.2	Ø	26	18.6	Ø				
EX-7			1459				0.2	12.5	Ø	4	11.7	Ø				
GMP25			1506				0.2	11.5	Ø	4	10.4	Ø				
EX-8			1514				0	11.1	5.0	Ø	Ø	Ø				
EX-9			1522				0.1	11.6	0.4	2	6.1	Ø				
GMP-26			1529				Ø	12.2	2.7	Ø	0	0				

Weather: Cloudy, mild - mid 50s, light breeze

Name: J. Medley

Date: 4/23/03

Performance Monitoring Log

Sampling Location							GEM2000				PID					
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	NMOCs (ppm)	Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP05A	GMP		1103		30.07	Ø	Ø	4.5	Ø	Ø	Ø	Ø	off			
GMP04A	GMP		1115				Ø	11.3	5.5	Ø	Ø	Ø				
PV-2	Hydrosil		1124				17.4	12.3	7.Ø	>	Ø	Ø				
PV-2	Carbon 2		1127				11.3	16.5	6.3	>	Ø	Ø				
PV-2	Influeat		1130				Ø.4	7.0	10.9	8	Ø	Ø				
GMP03A	GMP		1138				Ø	3.4	15.1	Ø	Ø	Ø				
GMP01A	GMP		1214				Ø	3.0	17.3	Ø	Ø	Ø				
GMP12	GMP		1248				Ø	9.9	5.1	Ø	Ø	Ø				
GMP11	GMP		1306				Ø	5.2	2.Ø	Ø	Ø	Ø				
GMP10	GMP		1316				Ø	9.5	9.Ø	Ø	Ø	Ø				
PV-1	Hydrosil		1258				1.1	0.1	3.7	22	Ø	Ø				
PV-1	Carbon 2		1300				34.5	20.9	Ø	>	Ø	Ø				
PV-1	Influeat		1302				28.4	20+	Ø	>	Ø	Ø				
GMP21	GMP		1325				Ø	4.3	16.9	Ø	Ø	Ø				
~~GMP22~~	~~GMP~~		~~1335~~				~~4.1~~	~~2.7~~	~~17.3~~	~~82~~	~~Ø~~	~~Ø~~				JHM
GMP13	GMP		1346				0	Ø.3	20.3	Ø	Ø	0				
GMP14	GMP		1353				Ø	Ø.1	20.9	Ø	Ø	Ø				
GMP15	GMP		1400				Ø	Ø.4	20.3	Ø	Ø	0				
GMP16	GMP		1408				0	0.5	19.9	Ø	Ø	0				
GMP17	GMP		1415				0	0.2	20.6	Ø	Ø	0				
GMP18	GMP		1422				0	0.1	20.5	Ø	Ø	0				
~~GMP19~~	~~GMP~~		~~1430~~				~~0~~	~~8.6~~	~~6.3~~	~~Ø~~	~~Ø~~	~~Ø~~				JHM
GMP20	GMP		1336				0	8.6	63	Ø	Ø	Ø				
GMP19	GMP		1430				Ø	0.1	20.7	Ø	Ø	Ø				

Extraction system turned on at PV-1 at 5CFM at 1440

Weather: sunny, breezy, mid 50s

Name: James Medley, JOL w/ Jim

Date: 5.23.03

Performance Monitoring Log

Sampling Location					GEM2000				
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Time	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	Notes
1SN		0942	29.95	0	22.7	19.4	0	>100	
10SN		0945			35.7	21.7	0	>100	
1SN		0948			31.5	20.4	0	>100	
1SS		0950			39.7	22.3	0.2	>100	
2SN		0953			15.8	15.4	0	>100	
2.1SN		0955			31.4	19.9	0	>100	
3DS		0957			48.9	26.2	0	>100	
3DN		1000			22.1	16.4	0	>100	
3.1SN		1003			24.9	15.6	0	>100	
4SN		1005			21.6	14.3	0	>100	
4SS		1007			42.7	23.8	1.2	>100	
4.1SNR		1009			38.1	22.3	0	>100	
4.2SNR		1011			32.3	20.1	0.1	>100	
5DN		1013			0.3	7.3	0.4	6	
5SNR		1016			8.0	5.0	5.1	>100	
5DS		1018			44.4	25.9	0	>100	
6SN		1021			1.8	6.3	4.3	36	
6SS		1023			39.6	25.0	0	>100	
~~7SN~~ JHM	7DN	1025			2.8	10.5	0.9	57	Location ID: 7DN JHM
~~7SS~~ JHM	7DS	1027			29.9	21.5	0	>100	Location ID: 7DS JHM
JHM ~~8SN~~	8SSR	1030			30.3	20.7	1.2	>100	Location ID: 8SSR JHM
~~8SSR~~	8SN	1032			10.1	12.6	0	>100	Location ID: 8SN JHM
9SN		1035			15.0	14.2	0.2	>100	
9SS		1038			31.9	21.2	0	>100	

weather, sunny, light wind, mid 50s

Name: JOHN ADAMS, James Medley

Date: 5.23.03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP-09	GMP		0830		29.95	0	0.0	3.5	18.0	0	0	0	–	–		
GMP-08			0841				1.2	4.5	0	10.1	10.1	0	–	–		LEL = 24 JA
EX-10			0850				0	3.2	6.1	0	6.7	0	–	–		
GMP07			0900				7.7	15.3	0	100	0	0	–	–		LEL = >100 JAM
GMP06			0907				0	10.3	0	0	0	0	–	–		
GMP05A			0917				0.1	4.9	0	0	0	0	–	–		
GMP04A			0925				0	12.1	1.7	0	0	0	–	–		
GMP02A			0934				0	5.6	1.4	0	0	0	–	–		
GMP01A			1013				0	5.3	5.5	0	0	0	–	–		
GMP12			1041				0	11.2	0	0	0	0	–	–		
GMP11			1049				0	5.0	5.1	0	0	0	–	–		
GMP10			1057				0	8.2	15.1	0	0	0	–	–		
GMP21			1105				0	4.3	18.0	0	0	0	–	–		
GMP20			1112				0	6.8	15.7	0	0	0	–	–		
GMP19			1122				~~0.2~~	~~20.9~~	~~20.9~~	0	0	0	–	–		CH4 = 0/CO2 = 0.2 JA
GMP18			1131				0	0.2	20.8	0	0	0	–	–		
GMP17			1140				0	0.3	20.7	0	0	0	–	–		
GMP16			1153				0	0.3	20.4	0	0	0	–	–		
GMP15			1201				0	1.8	18.2	0	0	0	–	–		
GMP14			1209				0	0.2	20.8	0	0	0	–	–		
GMP13			1218				0	0.6	20.5	0	0	0	–	–		
EX1	Extraction Well		1226				0	0.4	20.5	0	0	0	–	–		
GMP22	GMP		1234				0.1	10.3	0.4	1	20.3	0	–	–		
EX2	Well		1242				0	0	21.0	0	0	0	–	–		
EX3			1251				0	0	21.6	0	0	0	–	–		
EX4			1300				0.1	4.0	4.8	2	20.7	0	–	–		
GMP23	GMP		1309				0.4	7.6	0	8	50.8	0	–	–		
EX5	Well		1318				0.6	6.4	2.8	11	27.1	0	–	–		
GMP03A	GMP		1327				0	9.6	0.7	0	3.3	0	–	–		
EX6	Well		1336				0	0	20.9	0	1.1	0	–	–		
GMP24	GMP		1345				0	0	21.0	0	0	0	–	–		
EX7	Well		1355				0.1	12.7	0	2	23.7	0	–	–		
GMP25	GMP		1404				0.1	12.4	0	2	25.1	0	–	–		
EX8	Well		1413				0	6.2	6.8	0	0	0	–	–		
EX9	Well		1423				0.1	12.9	0	2	8.9	0	–	–		
GMP26	GMP		1453				0	13.9	0.2	0	0.4	0	–	–		

Name: JOHN ADAMS
Date: 5.27.03

Performance Monitoring Log

Sampling Location					GEM2000				
Location ID	Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Time	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	Methane (GEM %)	CO2 (GEM %)	O2 (GEM %)	LEL (%)	Notes
11SN		1000	30.0	Ø	10.2	15.1	0	>	
10SN		1002			35.4	21.7	0.1	>	
1SS		1004			25.5	21.8	0	>	
1SN		1007			4.3	14.9	0	89	
2SN		1009			Ø	6.3	6.4	Ø	
2.1SN		1011			Ø	7.6	6.4	Ø	
3DS		1014			44.5	24.8	Ø	>	
3DN		1018			4.9	18.0	Ø	98	
3.1SN		1022			Ø	5.0	16.3	Ø	
4SSR		1024			45.3	22.5	1.9	>	
4SN		1026			0.1	3.6	17.2	1	
JA ~~4.25NR~~	4.1SNR	1028			0.1	4.3	16.8	1	
JA ~~5DS~~	4.2SNR	1030			0.1	3.8	17.1	1	
JA ~~5SNR~~	5DS	1032			28.0	22.5	0	>	
5SNR		1034			0.2	3.9	17.2	3	
5DN		1037			0.1	6.3	6.7	1	
6SS		1040			27.7	22.6	Ø	>	
6SN		1042			0.2	2.1	18.8	1	
7DS		1044			0.9	12.0	2.4	18	
7DN		1048			0.1	7.9	4.0	1	
8SSR		1052			4.5	11.1	3.1	89	
8SN		1054			0.1	4.2	14.6	2	
9SS		1056			13.0	18.8	0.2	>	
9SN		1058			0.1	8.5	5.6	1	
GMP22		1105			0.2	10.1	0.5	4	
~~GMP23~~									JA
GMP24		1112			0.8	7.5	Ø	16	
GMP25		1139			0.3	12.6	Ø	6	
GMP26		1155			0.1	13.1	1.3	2	
GMP23		1205			0.8	7.5	0	16	

Name: J. Medley, J. Adams
Date: 1/22/03

Performance Monitoring Log

Sampling Location: Location ID	Sampling Location: Description (for example, GMP /Well/ Before Carbon/ After Hydrosil)	Water Level (feet below casing)	Time	Temp (°C/°F)	Barometric Pressure (in Hg)	Relative Pressure (in H_2O)	GEM2000: Methane (GEM %)	GEM2000: CO2 (GEM %)	GEM2000: O2 (GEM %)	GEM2000: LEL (%)	PID: NMOCs (ppm)	PID: Bckgrd. NMOCs (ppm)	Recovery Blower #1 Loc/ flowrate (cfm)	Recovery Blower #2 Loc/ flowrate (cfm)	Vacuum Pressure (in H_2O)	Notes
GMP09A	GMP	–	935	67.3	30.26	-0.5	Ø	3.2	9.7	Ø	Ø	Ø	–	–	Ø	
GMP08A	GMP	–	945	66.6	↓	↓	1.5	3.8	Ø	30	Ø	Ø	–	–	Ø	
EX10	Well	–	954	67.5	↓	↓	Ø	3.6	7.0	Ø	Ø	Ø	–	–	Ø	
PV-4	Hydrosil	–	1003	–	↓	↓	50.8	19.6	Ø	>100	Ø	Ø	–	–	–	
PV-4	Carbon 1	–	1005	–	↓	↓	52.4	25.2	0.1	>100	Ø	Ø	–	–	–	
PV-4	Influent	–	1007	–	↓	↓	30.1	18.1	0.5	>100	Ø	Ø	–	–	–	VOCs=1.6
~~EX~~																~~Hm~~
GMP07A	GMP	–	1012	70.0	30.26	-0.5	Ø	6.8	6.6	Ø	Ø	Ø	–	–	Ø	
GMP06A	GMP	–	1020	64.9	↓	↓	Ø	4.6	Ø	Ø	Ø	Ø	–	–	Ø	
PV-3	Hydrosil	–	1028	–	↓	↓	Ø	0.2	19.2	Ø	Ø	Ø	–	–	–	
PV-3	Carbon 1	–	1031	–	↓	↓	29.7	17.8	0.9	>100	Ø	Ø	–	–	–	
PV-3	Influent	–	1033	–	↓	↓	21.4	16.1	0.1	>100	Ø	Ø	–	–	–	
GMP05	GMP		1038	67.3	↓	↓	Ø	2.8	2.7	Ø	Ø	Ø	–	–	Ø	
GMP04A	GMP		1046	65.8	↓	↓	Ø	8.2	1.1	Ø	Ø	Ø	–	–	Ø	
PV-2	Hydrosil		1053	–	↓	↓	0.1	0.4	20.2	1	Ø	Ø	–	–	–	
PV-2	Carbon 1		1056	–	↓	↓	17.5	16.0	7.5	>100	Ø	Ø	–	–	–	
PV-2	Influent		1058	–	↓	↓	14.8	15.7	0.2	>100	Ø	Ø	–	–	–	
GMP03A	GMP		1106	63.7	↓	↓	Ø	2.1	13.6	Ø	Ø	Ø	–	–	Ø	
GMP01A	GMP		1114	63.3	↓	↓	Ø	4.6	7.8	Ø	Ø	Ø	–	–	0.02	
PV-1	Hydrosil		1121	–	↓	↓	0.3	1.6	20.0	5	Ø	Ø	–	–	–	GVM recalibrated
PV-1	Carbon 2		1123	–	↓	↓	28.6	22.3	1.3	>100	Ø	Ø	–	–	–	
PV-1	INFLUENT		1125	–	↓	↓	30.6	20.5	0.2	>100	Ø	Ø	–	–	–	VOCs=61
GMP12	GMP		1130	64.5	↓	↓	Ø	4.1	12.3	Ø	Ø	Ø	–	–	Ø	
GMP11A	GMP		1138	64.8	↓	↓	0	0.1	20.2	Ø	Ø	Ø	–	–	Ø	
EX1	Well		1328	66.0	↓	↓	Ø	8.5	0.6	Ø	0.4	Ø	–	–	Ø	
GMP22	GMP		1336	64.4	↓	↓	0.2	9.9	0.8	3	~~4~~	Ø	–	–	0.02	VOCs=61.3
EX2	Well		1344	64.2	↓	↓	0.1	9.2	6.7	2	~~61.2~~	Ø	–	–	0.02	VOCs=34.8
EX3	Well		1353	66.2	↓	↓	Ø	4.3	13.5	Ø	33.1	Ø	–	–	Ø	
EX4	Well		1401	65.7	↓	↓	Ø	3.0	2.9	Ø	53.4	Ø	–	–	Ø	
GMP23	GMP		1409	63.0	↓	↓	Ø	1.9	3.2	Ø	75.3	Ø	–	–	Ø	GVM recalibrated
EX5	Well		1417	65.5	↓	↓	0.2	2.9	10.0	3	16.2	Ø	–	–	Ø	
GMP03A	GMP		1425	64.4	↓	↓	Ø	4.8	14.2	Ø	Ø	Ø	–	–	Ø	
EX6	Well		1434	62.1	↓	↓	Ø	2.5	12.0	Ø	4.4	Ø	–	–	Ø	
GMP24	GMP		1441	62.7	↓	↓	0.3	11.0	Ø	5	59.8	Ø	–	–	Ø	
EX7	Well		1449	63.9	↓	↓	0.4	12.3	Ø	7	15.3	Ø	–	–	Ø	

FIELD INSTRUMENT CALIBRATION LOGS

Field Instrument Calibration Log

Project No: G9016019

Project Name: SDGI Parcel E / Landfill Gas Recovery System

Instrument Type GT20 - OVM - MiniRam - RAD A&B - RAD G	Instrument SN EQUIPCO # (OVM-57)	Calibration Type 50%methane - Isobutylene RAD A&B - RAB G - Dust bag	Date	By NAME
MiniRam	4949	Bag test	9/10/02	DS
MiniRae	14	Bump test 100ppm	9/10/02	DS
Defeminator PID	IE 91	100 ppm Iso	9/10/02	Nancy Lo
Mini-Ram Dust Monitor	#4949	Bag test	9/10/02	LMW
GT 201	9510231	Bump Test (50% LEL Methane)	9/10/02	LMW
OVM	OVM.46	Bump Test 100ppm ISO	9/10/02	JA
OVM	OVM.15	Bump Test 100ppm ISO	9/10/02	JA
OVM - Defeminator PID	IE-99	100 ppm ISO	9/11/02	NAD
GT201	608	methane 50% LEL	9/11/02	NAD
Mini-Ram Dust Monitor	#4949	Bag Test	9/11/02	LMW
MINIRAE 2000 PID	RAE 2000 14	100 ppm ISO	9/11/02	[illegible]
MINI-RAM DUST MONITOR	MINIRAM PDR-1016	BAG TEST	9/11/02	[illegible]
MINI-RAE 2000 OVM/PID	RAE 2000.14	100 ppm ISO	9/12/02	PZ
MINI-RAM DUST MONITOR	PDR 1000 05	BAG TEST	9/12/02	
GT 201	201.02	50% Methane LEL bump test	10-2-02	JOHN ADAMS
OVM	OVM.06	Calibrate	10-7-02	JOHN ADAMS
GEM 2000	GEM2000.03	50% CH_4, 15% CO_2, 0% O_2	10-7-02	James Medley
OVM	OVM.46	100ppm Isobutylene	10-8-02	James Medley
GEM2000	GEM2000.03	15% CH_4, 15% CO_2, 0% O_2	10-8-02	James Medley
OVM	OVM.06	100ppm Isobutylene	10-9-02	James Medley
GEM2000	GEM2000.03	15% CH_4, 15% CO_2, 0% O_2	10-9-02	James Medley
OVM	OVM.06	100ppm Isobutylene	10-10-02	James Medley
GEM2000	GEM2000	15% CH_4, 15% CO_2, 0% O_2	10-10-02	James Medley
OVM	OVM	100 ppm Isobutylene	10-11-02	James Medley
GEM2000	GEM2000	15% CH_4, 15% CO_2, 0% O_2	10-11-02	James Medley
OVM	OVM	100ppm Isobutylene	10-14-02	James Medley
GEM2000	GEM2000	15% CH_4, 15% CO_2	10-14-02	James Medley

Field Instrument Calibration Log

Project No: **G9016019**

Project Name: **SDGI Parcel E** Landfill Gas Extraction

Instrument Type **GT20 - OVM - MiniRam - RAD A&B - RAD G**	Instrument SN **EQUIPCO # (OVM-57)**	Calibration Type **50%methane - Isobutylene RAD A&B - RAB G - Dust bag**	Date	By **NAME**
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/15	James Medley
OVM	OVM580B.06	100ppm Isobutylene	10/15	James Medley
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/16	James Medley
OVM 580B	OVM 580B.06	100ppm Isobutylene	10/16	James Medley
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/17	James Medley
OVM580B	OVM580B.06	100ppm Isobutylene	10/17	James Medley
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/18	James Medley
OVM580	OVM580B.06	100ppm Isobutylene	10/18	Margaret Li
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/19	James Medley
OVM580	OVM580B.06	100ppm Isobutylene	10/19	
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/21	
OVM580	OVM580B.06	100ppm Isobutylene	10/21	
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/22	
OVM580	OVM580B.06	100ppm Isobutylene	10/22	James Medley
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/23	James Medley
OVM580	OVM580B.06	100ppm Isobutylene	10/23	James Medley
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/24	
OVM580	OVM580B.06	100ppm Isobutylene	10/24	
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/25	
OVM580	OVM580B.06	100ppm Isobutylene	10/25	
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/28	
OVM580	OVM580B.06	100ppm Isobutylene	10/28	
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/29	
OVM580B	OVM580B.06	100ppm Isobutylene	10/29	
GEM2000	GEM2000.05	15% CH_4, 15% CO_2	10/30	
OVM580B	OVM580B.06	100ppm Isobutylene	10/30	

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
11/04/02	07:00	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	14.9	
					CO_2	902890	3/26/04	15%	15.1	
					O_2	902890	3/26/04	0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/5/02	07:45	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	15.0	
					CO_2	902890	3/26/04	15%	15.0	
					O_2	902890	3/26/04	0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/6/02	07:50	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	15.0	
					CO_2	902890	3/26/04	15%	15.0	
					O_2	902890	3/26/04	0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/7/02	1022	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	~~15.0~~ 14.9	
					CO_2	902890	3/26/04	15%	14.8	
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/8	1105	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	15.1	
					CO_2	902890	3/26/04	15%	15.1	
					O_2	902890	3/28/04	0%	.8	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
11/18/02		GasTech	GT201	GT201.13	Methane	902803	3/16/03	50 % LEL	50	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
11/19/02		GasTech	GT201	GT201.13	Methane	902803	3/16/03	50 % LEL	50	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
11/20/02	0900	GasTech	GT201	GT201.13	Methane	902803	3/16/03	50 % LEL	50 %	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
11/21/02	0740	GasTech	GT201	GT201.13	Methane	902803	3/16/03	50 % LEL	50	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
11/22/02	0920	GasTech	GT201	GT201.13	Methane	902803	3/16/03	50 % LEL	50	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
11/26/02	0815	GasTech	GT201	GT201 -13	Methane	902803	3/16/03	50 % LEL	50%	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
11/27/02	0830	GasTech	GT201	GT201 -13	Methane	902803	3/16/03	50 % LEL	50%	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit
PID Photoionization detector
ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
11/18/02	0800	CES-Landtec	GEM 2000	.01	Methane	902890	3-26-04	15%	14.8	
					CO_2	↓	↓	15%	14.6	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/19/02	0815	CES-Landtec	GEM 2000	GEM2000.01	Methane	902890	3-26-04	15%	15.1	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/20/02	0830	CES-Landtec	GEM 2000	GEM2000 .01	Methane	902890	3-26-04	15%	15.0	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/21/02	0730	CES-Landtec	GEM 2000		Methane	902890	3-26-04	15%	15.0	
					CO_2	↓		15%	15.1	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
~~11/22/02~~ 11/22/02	JHM 0900	CES-Landtec	GEM 2000		Methane	902890	3-26-04	15%	15.1	
					CO_2	↓		15%	15.1	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
11/25/02	0810	CES-Landtec	GEM 2000	GEM2000 .01	Methane	902890	3/26/04	15%	15.1	
					CO_2	↓	↓	15%	15.1	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/26/02	0825	CES-Landtec	GEM 2000	GEM2000 .01	Methane	902890	3/26/04	15%	15.1	
					CO_2	↓		15%	15.1	
					O_2	↓		0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/27/02	0820	CES-Landtec	GEM 2000	GEM2000 .01	Methane	902890	3/26/04	15%	15.1	
					CO_2	↓	↓	15%	15.2	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
11/28/02	0780	CES-Landtec	GEM 2000	GEM 2000 .01	Methane	902890	3/26/04	15%	15.1	
					CO_2	↓	↓	15%	15.1	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/01/02	1100	CES-Landtec	GEM 2000	GEM 2000 .01	Methane	902890	3/26/04	15%	15.1	
					CO_2	↓	↓	15%	15.0	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
12/02/02	0755	CES-Landtec	GEM 2000	.01	Methane	904074	3/26/04	15%	15.1	
					CO_2			15%	15.2	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/03/02	0810	CES-Landtec	GEM 2000	.01	Methane	904074	3/26/04	15%	15.2	
					CO_2			15%	15.2	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/04/02	0845	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	15.1	
					CO_2			15%	15.1	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/04	0825	CES-Landtec	GEM 2000	.01	Methane			15%	14.9	
					CO_2			15%	14.9	
					O_2			0%	0	
					Methane	902890	3/26/04	0%		
					CO_2			0%		
					O_2			4%		
12/6	0840	CES-Landtec	GEM 2000	.01	Methane			15%	15	
					CO_2			15%	15	
					O_2			0%	0	
					Methane	202890	3/26/04	0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
12/9/02	0845	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	15.1	
					CO_2	↓	↓	15%	15.3	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/10/02	0745	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	14.9	
					CO_2	↓	↓	15%	15.0	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/11/02	09:10	CES-Landtec	GEM 2000	.01	Methane	902890	3/26/04	15%	15.0	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/12	0740	CES-Landtec	GEM 2000		Methane	902890	3/26/04	15%	14.8	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/13	0738	CES-Landtec	GEM 2000		Methane	902890	3/26/04	15%	14.8	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
12/16	0810	CES-Landtec	GEM 2000	01	Methane	902890	3/26/04	15%	15.4	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.4	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/17	0815	CES-Landtec	GEM 2000	.02	Methane	902890	3/26/04	15%	14.7	
					CO_2	↓	↓	15%	14.7	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/18	0740	CES-Landtec	GEM 2000	.02	Methane	902890	3/26/04	15%	15.2	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/19	0735	CES-Landtec	GEM 2000	.02	Methane	902890	3/26/04	15%	15.0	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/20/02	0800	CES-Landtec	GEM 2000		Methane			15%	15.2	
					CO_2			15%	14.8	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

12/21/02 no calibration gas — CH_4 14.8, CO_2 15.0, O_2 0

12/23/02 No calibration gas

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
12/23	0800	CES-Landtec	GEM 2000	.05	Methane			15%	—	no calibration gas. Avail thr 01/06/03. May calibrate with 50% methane/35% CO_2
					CO_2			15%	—	
					O_2			0%	—	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/24	0820	CES-Landtec	GEM 2000	.05	Methane	902803	3/16/03	2.5 ~~15%~~	2.5%	
					CO_2	" "	" "	0 ~~15%~~	0%	
					O_2	" "	" "	20.4 ~~0%~~	21.9%	
					Methane	—	—	0%	—	
					CO_2	—	—	0%	—	
					O_2	—	—	4%	—	
12/26	0810	CES-Landtec	GEM 2000	.05	Methane	902803	3/16/03	2.5 ~~15%~~	2.6	
					CO_2	" "	" "	0 ~~15%~~	0.0	
					O_2	" "	" "	20.4 ~~0%~~	21.1	
					Methane	—	—	0%	—	
					CO_2	—	—	0%	—	
					O_2	—	—	4%	—	
12/27		CES-Landtec	GEM 2000	.05	Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/28	0725	CES-Landtec	GEM 2000	.05	Methane	1022852	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
12/30	0735	CES-Landtec	GEM 2000	.05	Methane	1022852	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
12/31/02	0825	CES-Landtec	GEM 2000	.05	Methane	1022852	12/20/04	15%	15.6	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/2/03	0814	CES-Landtec	GEM 2000	.05	Methane	1022852	12/20/04	15%	15.4	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/3/03	0815	CES-Landtec	GEM 2000	.05	Methane	1022852	12/20/04	15%	14.7	
					CO_2	↓	↓	15%	14.6	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/6/03	1130	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.8	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
1/7/03	0900	CES-Landtec	GEM 2000	.03	Methane	1022853	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	15.0	
					O_2			0%	0.8	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/8/03	0810	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.9	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.6	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/9/03	0815	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	15.3	
					O_2			0%	0.6	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/10/03	0750	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	15.3	
					O_2			0%	0.5	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/13/03	1030	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.8	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.6	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
1/14/03	0750	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	15.2	
					O_2	↓	↓	0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/15/03	0940	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	15.0	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/16/03	0830	CES-Landtec	GEM 2000	.03	Methane	1022823	12/20/04	15%	15.1	
					CO_2	↓	↓	15%	15.0	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/17/03	0730	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.9	
					CO_2	↓	↓	15%	14.9	
					O_2	↓	↓	0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/20/03	1150	CES-Landtec	GEM 2000	.03	Methane			15%	14.9	
					CO_2			15%	15.0	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
1/22/03	0815	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/24/03	0800	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.9	
					CO_2	↓	↓	15%	14.6	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/04/03	0828	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.0	
					CO_2			15%	14.5	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/05/03	0830	CES-Landtec	GEM 2000	.03	Methane			15%	14.8	
					CO_2			15%	14.7	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
1/06/03	0810	CES-Landtec	GEM 2000	.03	Methane			15%	15.2	
					CO_2			15%	14.8	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
2/07/03	810	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/10/03	825	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/11/03		CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.7	
					CO_2	↓	↓	15%	14.6	
					O_2			0%	.4	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/12/03	915	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/13/03	0800	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
2/14/03	0810	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.4	
					CO_2	↓	↓	15%	15.2	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/17/03	0835	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/18/03	0906	CES-Landtec	GEM 2000	03	Methane	1022852	12/20/04	15%	15.4 %	
					CO_2			15%	15.4 %	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/19/03	0815	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.4 %	
					CO_2			15%	15.4 %	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/20/03	0755	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	15.1	
					CO_2			15%	15.1	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
2/21/03	0830	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.5	
					CO_2			15%	15.5	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/24/03	0830	CES-Landtec	GEM 2000	.03	Methane	1022853	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/25/03	Ø85Ø	CES-Landtec	GEM 2000	.03	Methane	1022853	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	15.2	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/26/03	08Ø4	CES-Landtec	GEM 2000	.03	Methane	1022853		15%	15.2	
					CO_2	↓		15%	15.2	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
2/27/03	Ø825	CES-Landtec	GEM 2000	.03	Methane	1022853		15%	15.7	
					CO_2			15%	15.2	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
2/28/03	0810	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	15.5	
					CO_2	↓	↓	15%	15.5	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/3/03	0820	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	15.4	
					CO_2		↓	15%	15.2	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/4/03	0815	CES-Landtec	GEM 2000	03	Methane	022852	12-20-04	15%	15.5	
					CO_2			15%	15.5	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/6/03	0745	CES-Landtec	GEM 2000	.03	Methane	022852	12-20-04	15%	14.9	
					CO_2			15%	15.0	
					O_2			0%	~~.9~~ Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/7/03	0820	CES-Landtec	GEM 2000	03	Methane	022852	12-20-04	15%	15.1	
					CO_2			15%	15.3	
					O_2			0%	.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
3/10/03	1015	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	14.9	
					CO_2			15%	15.5	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/11/03	0840	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	15.3	
					CO_2	↓	↓	15%	15.3	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/12/03	0812	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	15.1	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/13/03	~~810~~ 710	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	14.9	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/14/03	0830	CES-Landtec	GEM 2000	.03	Methane	1022852	12-20-04	15%	15.0	
					CO_2			15%	14.9	
					O_2			0%	1.5	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

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CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
3/17/03	0834	CES-Landtec	GEM 2000	.03	Methane	1022852	12.20.04	15%	15.3	
					CO_2	↓	↓	15%	15.6	
					O_2			0%	0.4	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/18/03	0830	CES-Landtec	GEM 2000	.03	Methane	1022852	12.20.04	15%	15.3	
					CO_2	↓	↓	15%	15.0	
					O_2			0%	[illegible]	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/19/03	0830	CES-Landtec	GEM 2000	.03	Methane	1022852	12.20.04	15%	15.4	
					CO_2	↓	↓	15%	15.5	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/20/03	0845	CES-Landtec	GEM 2000	.03	Methane	1022852	12.20.04	15%	14.9	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/21/03	815	CES-Landtec	GEM 2000	.03	Methane	1022852	12.20.04	15%		
					CO_2	↓	↓	15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
3/24/03	1020	CES-Landtec	GEM 2000	.03	Methane	10227852	12/20/04	15%	14.9	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	0.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/25/03	0915	CES-Landtec	GEM 2000	.03	Methane	10227853	12/20/04	15%	15.3	
					CO_2	↓	↓	15%	15.6	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/26/03	0810	CES-Landtec	GEM 2000	.03	Methane	10227852	12/20/04	15%	14.9	
					CO_2	↓		15%	14.9	
					O_2			0%	0.4	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/27/03	0810	CES-Landtec	GEM 2000	.03	Methane	10227852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	15.2	
					O_2			0%	0.8	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
3/28/03	0800	CES-Landtec	GEM 2000	.03	Methane	10227852	12/20/04	15%	14.9	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	0.6	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
3/31	0810	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	15.2	
					O_2			0%	Ø.6	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/1/03	0850	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	Ø.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/2/03	0815	CES-Landtec	GEM 2000	03	Methane	1022852	12/20/04	15%	14.8	
					CO_2	↓	↓	15%	14.7	
					O_2			0%	Ø.3	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/3/03	0700	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	15.2	
					O_2			0%	Ø.4	
					Methane			0%		
					CO_2			0%		
					O_2	10		4%		
4/9/03		CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	15.1	
					CO_2			15%	15.0	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
4/10/03	0853	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.8	
					CO_2	↓	↓	15%	14.5	
					O_2			0%	1.0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/11/03	0810	CES-Landtec	GEM 2000	.03	Methane	1022852	12/20/04	15%	14.8	
					CO_2	↓	↓	15%	14.7	
					O_2			0%	0.7	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/14/03	0800	CES-Landtec	GEM 2000	.06	Methane	1022852	12/20/04	15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/15/03	1100	CES-Landtec	GEM 2000	.06	Methane	1022852	12/20/04	15%	15.6	
					CO_2			15%	15.3	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/15/03	1445	CES-Landtec	GEM 2000	.06	Methane			15%	14.9	
					CO_2			15%	14.9	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
4/16	0830	CES-Landtec	GEM 2000	.06	Methane	1022952	12/20/04	15%	15.0	
					CO_2			15%	14.8	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/17	0815	CES-Landtec	GEM 2000	.06	Methane	1022952	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/18	0915	CES-Landtec	GEM 2000	.06	Methane	1022952	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/21	0800	CES-Landtec	GEM 2000	.06	Methane	1022952	12/20/04	15%	15.1	
					CO_2	↓	↓	15%	15.0	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/22	0715	CES-Landtec	GEM 2000	.06	Methane	1022952	12/20/04	15%	15.2	
					CO_2	↓	↓	15%	15.2	
					O_2			0%	0	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
4/23/03	1040	CES-Landtec	GEM 2000	.06	Methane	1022852	12/20/04	15%	15.0	
					CO_2	↓	↓	15%	15.1	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/24/03		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.9	
					CO_2			15%	14.6	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/25/03		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.9	
					CO_2			15%	14.8	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/28/03		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	15.1	
					CO_2			15%	15.3	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
4/29/03		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.9	
					CO_2			15%	14.8	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
4/30/03		CES-Landtec	GEM 2000	06	Methane	1022852	12-20-04	15%	14.9	
					CO_2			15%	15.0	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
~~5-01-03~~ ~~4/31/03~~		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.9	
					CO_2			15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/2/03		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.8	
					CO_2			15%	14.9	
					O_2			0%	0.5	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
~~5/5/03~~		CES-Landtec	GEM 2000		Methane			15%		
					CO_2			15%		
					O_2			0%		
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/5/03		CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	15.1	
					CO_2			15%	14.8	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
5/7/03	0916	CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	15.4	
					CO_2			15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/8/03	0851	CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.8	
					CO_2			15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/9/03		CES-Landtec	GEM 2000	06	Methane	1022852	12-20-04	15%	14.8	
					CO_2			15%	15.Ø	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/10/03	1230	CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.9	
					CO_2	↓	↓	15%	14.8	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/12/03	0745	CES-Landtec	GEM 2000	.06	Methane	1022852	12-20-04	15%	14.9	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
5/13	1330	CES-Landtec	GEM 2000	.05	Methane	1022852	12.20.04	15%	15.1	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/14	0835	CES-Landtec	GEM 2000	.05	Methane	1022852	12.20.04	15%	15.0	
					CO_2	↓	↓	15%	15.0	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/15	0730	CES-Landtec	GEM 2000	.05	Methane	1022852	12.20.04	15%	14.9	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/19	0720	CES-Landtec	GEM 2000	.05	Methane	1022852	12.20.04	15%	14.9	
					CO_2	↓	↓	15%	14.9	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/20	1235	CES-Landtec	GEM 2000	0.5	Methane	1022852	12.20.04	15%	15.5	
					CO_2			15%	15.1	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

Tetra Tech EM Inc.

CALIBRATION LOG FOR METHANE METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%)	
5/21/03	0845	CES-Landtec	GEM 2000	.05	Methane	1022852	12-20-04	15%	15.1	
					CO_2	↓	↓	15%	15.0	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/22/03	0880	CES-Landtec	GEM 2000	.05	Methane	1022852	12-20-04	15%	15.4	
					CO_2	↓	↓	15%	15.3	
					O_2			0%	0.2	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/23/03	0730	CES-Landtec	GEM 2000	.05	Methane	1022852	12-20-04	15%	15.3	
					CO_2	↓	↓	15%	15.4	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/28/03	0831	CES-Landtec	GEM 2000	.05	Methane	1022852	12-20-04	15%	15.3	
					CO_2	↓	↓	15%	15.4	
					O_2			0%	0.1	
					Methane			0%		
					CO_2			0%		
					O_2			4%		
5/29/03	1001	CES-Landtec	GEM 2000	.05	Methane	1022852	12-20-04	15%	15.5	
					CO_2	↓	↓	15%	15.5	
					O_2			0%	Ø	
					Methane			0%		
					CO_2			0%		
					O_2			4%		

CALIBRATION LOGS FOR PID/CGI/TOXIC GAS METER

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
11/04/02	07:10	OVM	580 B	25	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99	
11/5/02	07:50	OVM	580 B	25	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	96	
11/6/02	07:40	OVM	580B	25	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	102	
11/7/02	1025	OVM	580B	25	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	101	
11/8/02	1105	OVM	580B	25	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm	102	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
11/18/02	0730	Thermal Environmental Instruments	OVM580B	OVM.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.1	
11/19/02	0800	Thermal Environmental Instruments	OVM580B	OVM.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	98.9	
11/20/02	0805	Thermal Environmental Instruments	OVM580B	OVM.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	100.2	
11/21/02	0735	Thermal Environmental Instruments	OVM 580B	OVM.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	100.6	
11/22/02	0915	Thermal Environmental Instruments	OVM 580B	OVM.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.8	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
11/25/02	0815	Thermo Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.8	
11/26/02	0820	Thermo Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.9	
11/27/02	0815	↓	OVM 580B .56	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.8	
11/28/02	0705		OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.9	
12/01/02	1055		OVM580B		Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	904074	3/26/04	100 ppm	99.9	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
12/02/02	0800	Thermal Environmental Instruments	OVM580	-56	Methane			50 % LEL	99.9	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.9	
12/03/02	0805	Thermal Environmental Instruments	OVM580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.1	
12/04/02	0845	Thermal Environmental Instruments	OVM580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.1	
12/04/02	0825	Thermal Environmental Instruments	OVM 580 B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.1	
12/6/02	0845	Thermal Environmental Instrument	OVM 580 B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1-26-04	100 ppm	99.1	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
12/9	0830	THERMAL ENVIRONMENTAL INSTRUMENTS	CYM 520	CVM.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	101.1	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
12/10	0755	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/10-1	100 ppm	99.9	
12/11	09:15	"	"	"	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.9	
12/12	0745	"	"	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.9	
12/13	0730	"	"	.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.4	
12/13	0735	"	"	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.8	

Notes:

LEL Lower explosive limit
PID Photoionization detector
ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
12/16	0815	OVM Thermal Environmental	OVM	580B.	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.9	
12/17	0758	Thermal Environmental Instruments	OVM 580 B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.1	
12/18	0755	Thermal Environmental Instruments	OVM 580	.06	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.8	
12/19	0725	Thermal Environmental Instruments	OVM 580B	.06	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.0	
12/20	0800	THERMAL ENVIRONMENTAL INSTRUMENT	OVM 580B	.06	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/02	100 ppm	100	
12/21	0800	THERMAL Environmental instrument	OVM 580B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm	99.2	
12/23/02		Thermal Environmental instrument	OVM 48	same		901384	1/26/02	99.2		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
12/23	0800	THERMAL ENVIRONMENTAL INSTRUMENT	OVM 580B	0.48	Methane	901384	1/26/02	50 % LEL	~~99.2~~	
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm	99.2	
12/24	0800	" "	" "	0.48	Methane	NA	NA	50 % LEL	—	
					O_2	NA	NA	21%	—	
					H_2S	NA	NA	25 ppm	—	
					Cl	NA	NA	10 ppm	—	
					Isobutylene	901384	1/26/04	100 ppm	99.0	
12/26	0800	" "	" "	0.48	Methane	—	—	50 % LEL	—	
					O_2	—	—	21%	—	
					H_2S	—	—	25 ppm	—	
					Cl	—	—	10 ppm	—	
					Isobutylene	901384	1/26/04	100 ppm	99.7	
12/28	0730	" "	" "	0.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.9	
12/30	0900	" "	" "	0.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.2	
12/30	0905	" "	" "	0.06	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.2	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
12/31	0845	Thermal Environmental Instrument	OVM 580B	.44	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.5	
12/31	0855	"	OVM 580B	.06	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.4	
1/2/03	0805	"	OVM 580B	.06	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.8	
1/2/03	1050	"	OVM 580B	.06	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.8	
1/2/03	1150	Thermal Environmental Instruments	OVM 580B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.4	
1/3/03	0800	"	OVM 580B	.06	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.5	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
1/3/03	0802	Thermal Environmental Instruments	OVM 580B	-48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.9	
1/6/03	1145	"	OVM 580B	.47	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.1	
1/7/03	0810	"	OVM 580B	.47	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.5	
1/7/03	1030	Thermal Environmental Instruments	OVM 580B	.02	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm	98.9	
1/8/03	0800	Thermal Environmental Instruments	OVM 580B	.02	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.9	
1/9/03	0810	"	OVM 580 B	.02	Methane			50 % LEL		
		"			O_2			21%		
		"			H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.9	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
1/10/03	0740	Thermo Environmental Instruments	OVM 580 B	.15	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.6	
1/13/03	1035		OVM 580B	.15	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	97.8	
1/13/03	1355		OVM 580B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.6	
1/14/03	0800		OVM 580B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.0	
1/15/03	0945		OVM 580B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.9	
1/16/03	0815		OVM 580 B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	98.8	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
1/17/03	0725	Thermal Environmental Instruments	OVM 580B	.48	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.2	
1/20/03	1200	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	101.5	
1/22/03	0805	Thermal Environmental Instruments	OVM 580B	.31	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	102.1	
1/22/03	0810	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.7	
1/27/03	0805	↓	↓	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	101.5	
2/5/03	0815	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.8	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
2/6/03	0812	Thermal Environmental Instruments	OVM 580B	.31	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.3	
2/7/03	816	↓	↓	.31	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.3	
2/10/03	800	Thermal Environmental Instruments	OVM 580B	.31	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.7	
2/11/03	1230	Thermal Environmental Instruments	OVM 580B	.31	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	100.1	
2/12/03	900	↓	↓	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.5	
2/13/03	0810	Thermal Environmental Instruments	OVM580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	901384	1/26/04	100 ppm	99.5	

Notes:

LEL Lower explosive limit
PID Photoionization detector
ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
~~0820~~ 2/14/03	0820	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	100.8	
2/17/03	0830	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	101.3	
~~2/18/03~~	~~0900~~	~~Thermal Environmental Instruments~~	~~OVM 580B~~	~~.56~~	Methane	~~255601~~	~~1/26/04~~	50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
2/18/03	0900	Thermal Environmental Instruments	OVM 580B	.56	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	100.3	
2/19/03		Thermal Environmental Instruments	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.1	
2/20/03		Thermal Environmental Instruments	OVM 580B	.53	Methane	255601	1/26/04	50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm	96.8	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
2/21/03	0825	Thermal Environmental Instruments	OVM 580B	53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.8	
2/24/03	0820	↓	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	98.4	
2/24/03	825	↓	OVM 580B	.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	102.6	
2/25/03	855	Thermal Environmental Instruments	OVM 580B	.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	101.3	
2/25/03	0900	↓	OVM580 B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.3	
2/26/03	0830	↓	OVM580B	.53	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.7	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
2/27/03	0900	Thermal Environmental Instruments	OVM 580 B	10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	101.0	
2/28/03	0820	Thermal Environmental Instruments	OVM 580 B	10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	98.7	
3/3/03	0805	Thermal Environmental Instruments	OVM 580B	10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	100.1	
3/4/03	0818	↓	OVM 580B	10	Methane	255601	1/26/04	50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	100	
3/6/03	0755	↓	OVM 580B	10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	101.0	
3/7/03	0830	↓			Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	100.7	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
3/10/03	1030	T.E.I	OVM 580B	10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1-26-04	100 ppm	100	
3/11/03	830	TEI	OVM 580B	10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1-26-04	100 ppm	99.9	
3/12/03	0815	TEI	OVM 580 B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1-26-04	100 ppm	99.9	
3/13/03	716	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1-26-04	100 ppm	99.7	
3/14/03	0835	T.E.I	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1-26-04	100 ppm	99.7	
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument Brand	Instrument Model	Instrument Serial No.	Calibration Gas Type	Calibration Gas Lot #	Calibration Gas Exp. Date	Calibration Gas concen.	Reading (%/ppm)	Comments
3/17/03	0830	T.E.I	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	101	
3/19/03	0830	T.E.I	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	100	
3/20/03	0800	Thermal Environmental Instruments	OVM 580 B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	98.6	
3/21/03	0800	T.E.I	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	100.5	
3/24/03	1015	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	101.1	
3/25/03	0915	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	101.1	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
3/26	0845	Thermal Environmental Instruments	OVM 580 B	110	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.2604	100 ppm	99.3	
3/27	0800	TEI	OVM 580 B	010	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.2604	100 ppm	99.9	
3/28	0808	TEI	OVM 580 B	110	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.2604	100 ppm	100.7	
3/31	0800	TEI	OVM 580B	110	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.2604	100 ppm	100.7	
4/1	0855	TEI	OVM 580B	110	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.2604	100 ppm	100.4	
4/2/03	0820	TEI	OVM 580B	110	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.2604	100 ppm	100.7	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument Brand	Instrument Model	Instrument Serial No.	Calibration Gas Type	Calibration Gas Lot #	Calibration Gas Exp. Date	Calibration Gas concen.	Reading (%/ppm)	Comments
4/3/03	0705	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	101.1	
4/4/03	0825	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	101.1	
4.9.03	0900	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	100	
4/21/03	1200	TEI	OVM 580 B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	102.0	
4/22/03	1041	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	100.4	
4/24/03	0925	TEI	OVM 580 S	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1.26.04	100 ppm	103.8	

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

Tetra Tech EM Inc.

CALIBRATION LOG FOR PID/CGI/TOXIC GAS METER

Date	Time	Instrument			Calibration Gas				Reading	Comments
		Brand	Model	Serial No.	Type	Lot #	Exp. Date	concen.	(%/ppm)	
5/9	915	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.2	
5/12	1200	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.5	
5/13	0830	TEI	OVM 580B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene	255601	1/26/04	100 ppm	99.7	
5/23/03	0815	TEI	OVM 580 B	.10	Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl	255601	1/26/04	10 ppm	100.6	
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		
					Methane			50 % LEL		
					O_2			21%		
					H_2S			25 ppm		
					Cl			10 ppm		
					Isobutylene			100 ppm		

Notes:

LEL Lower explosive limit

PID Photoionization detector

ppm Parts per million

APPENDIX F
ANALYTICAL RESULTS

APPENDIX F: ANALYTICAL RESULTS

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-1	EX-1	EX-1 EFFLUENT	EX-1 EFFLUENT	EX-1 INFLUENT	EX-1 INFLUENT	EX-2	EX-2 EFFLUENT	EX-2 EFFLUENT	EX-2 INFLUENT	EX-2 INFLUENT
Sample ID No.	EX1001	EX1002	EX1E001	EX1E002	EX1I001	EX1I002	EX2001	EX2E001	EX2E002	EX2I001	EX2I002
Sample Date	10/4/2002	11/13/2002	10/4/2002	11/18/2002	10/4/2002	11/18/2002	11/13/2002	10/9/2002	11/21/2002	10/9/2002	11/21/2002
EPA TO-14 VOA (µg/m^3)											
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	4 J3
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	180 J3	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	11 J3	--	--	--	13	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	10 J3	14 J3	--	--	--	12 J3	19	--	--	95	85 J3
1,2-Dibromethane	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	230 J3	51 J3	--	--	31 J3	46 J3	14	--	33	110	71 J3
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	6 J3
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	8	3 J3
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	9 J3	9 J3	--	--	--	7 J3	14	--	--	60	55 J3
1,3-Butadiene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	21	--	--	45	56 J3
2-Butanone	39,000	290 J3	17	--	2,400	--	--	13	--	1,000	75 J3
2-Hexanone	--	--	--	--	170 J3	--	--	--	--	--	--
4-Eethyltoluene	--	--	--	--	--	7 J3	--	--	--	19	17 J3
4-Methyl-2-Pentanone	--	--	--	--	--	--	--	--	--	--	--
Acetone	--	--	41	--	12 J3	--	--	27	160	700	840 J3
Benzene	140 J3	28 J3	--	--	18 J3	32 J3	5	--	--	78	21 J3
Bromodichloromethane	--	--	--	--	--	--	21	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	8	4 J3
Carbon disulfide	19 J3	5 J3	4 J	6	--	2 J3	--	18	60	88	200 J3
Carbon tetrachloride	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	5 J3	--	11	9 J3	14 J3	--	--	99	46	15 J3
Chloroform	--	--	--	--	--	--	12	--	--	210	42 J3
Chloromethane	--	--	--	--	--	--	--	--	--	46	90 J3
cis-1,2-Dichloroethene	48 J3	3 J3	--	--	--	7 J3	--	--	--	14	3 J3
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	1,800 J3	30 J3	--	--	210 J3	420 J3	190	--	--	1,500	700 J3
Dibromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	270 J3	60 J3	--	--	46 J3	50 J3	44	--	--	340	220 J3
Ethanol	--	--	--	--	--	--	--	--	310	9	65
Ethylbenzene	--	11 J3	--	--	--	8 J3	8	--	--	79	40 J3
Heptane	390 J3	87 J3	--	--	27 J3	62 J3	27	--	--	920	250 J3
Hexachlorobutadiene	20 J3	11 J3	--	--	--	--	--	--	--	--	--
Hexane	1,600 J3	460 J3	--	--	180 J3	360 J3	140	7	--	1,200	570 J3
Isopropyl alcohol	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	29 J3	21 J3	--	--	10 J3	15 J3	35	--	--	250	180 J3
Methylene chloride	56 J3	--	5	--	6 J3	--	--	16	--	200	--
o-Xylene	--	16 J3	--	--	7 J3	15 J3	26	--	--	180	130 J3
Propylene	--	96 J3	--	--	13 J3	110 J3	770	--	--	740	1,100
Styrene	--	--	--	--	--	--	--	--	--	--	--
Tert-butyl methyl ether	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	21 J3	6 J3	--	--	--	--	--	--	--	11	10 J3
Tetrahydrofuran	160,000	4,500	25	--	8,100	360 J3	600	51	--	3,900	250 J3
Toluene	24 J3	18 J3	--	--	--	--	--	--	--	34	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	8	--

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-1	EX-1	EX-1 EFFLUENT	EX-1 EFFLUENT	EX-1 INFLUENT	EX-1 INFLUENT	EX-2	EX-2 EFFLUENT	EX-2 EFFLUENT	EX-2 INFLUENT	EX-2 INFLUENT
Sample ID No.	**EX1001**	**EX1002**	**EX1E001**	**EX1E002**	**EX1I001**	**EX1I002**	**EX2001**	**EX2E001**	**EX2E002**	**EX2I001**	**EX2I002**
Sample Date	**10/4/2002**	**11/13/2002**	**10/4/2002**	**11/18/2002**	**10/4/2002**	**11/18/2002**	**11/13/2002**	**10/9/2002**	**11/21/2002**	**10/9/2002**	**11/21/2002**
EPA TO-14 VOA (µg/m^3) (Continued)											
Trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	27 J3	8 J3	--	--	--	--	--	--	--	11	7 J3
Trichlorofluoromethane	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	12 J3	2 J3	--	--	--	--	--	--	--	8	--
EPA 3C Landfill Gas (%)											
Carbon dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 25C Total Nonmethane Organic Carbon (ppmv)											
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonmethane organic carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-3	EX-3	EX-3 EFFLUENT	EX-3 INFLUENT	EX-4	EX-4 EFFLUENT	EX-4 INFLUENT	EX-5	EX-5	EX-5 EFFLUENT	EX-5 INFLUENT	EX-6
Sample ID No.	EX3001	EX3002	EX3E001	EX3I001	EX4001	EX4E001	EX4I001	EX5001	EX5002	EX5E001	EX5I001	EX6001
Sample Date	10/4/2002	11/13/2002	10/11/2002	10/11/2002	11/13/2002	10/15/2002	10/15/2002	10/4/2002	11/13/2002	10/17/2002	10/17/2002	11/13/2002
EPA TO-14 VOA (µg/m^3)												
1,1,1-Trichloroethane	--	18 J3	--	--	17 J3	--	--	--	18 J3	--	--	40
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	30 J	29 J3	--	--	32 J3	--	9 J3	--	30 J3	--	--	58
1,1,2-Trichloroethane	--	--	--	--	19 J3	--	--	--	18 J3	--	--	43
1,1-Dichloroethane	--	--	--	3 J3	18 J3	--	11 J3	29 J3	18 J3	--	4 J3	35
1,1-Dichloroethene	16 J	13 J3	--	--	16 J3	--	5 J3	--	15 J3	--	3 J3	30
1,2,4-Trichlorobenzene	--	--	--	29 J3	--	--	--	--	59 J3	--	--	110
1,2,4-Trimethylbenzene	600	600 J3	--	700 J3	1,100 J3	--	550 J3	700 J3	420 J3	--	120 J3	190
1,2-Dibromethane	19 J	20 J3	--	--	23 J3	--	--	--	24 J3	--	--	59
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	180	41 J3	--	160 J3	39 J3	--	210 J3	380 J3	41 J3	--	59 J3	63
1,2-Dichlorobenzene	2,100	2,200 J3	--	2,000 J3	100 J3	--	150 J3	180 J3	150 J3	--	61 J3	73
1,2-Dichloroethane	--	--	--	8 J3	--	--	--	--	--	--	--	29
1,2-Dichloropropane	--	17 J3	--	--	17 J3	--	--	--	18 J3	--	--	35
1,3,5-Trimethylbenzene	550	550 J3	--	700 J3	600 J3	--	750 J3	550 J3	350 J3	--	110 J3	220
1,3-Butadiene	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	79	92 J3	--	73 J3	32 J3	--	23 J3	10 J3	27 J3	--	6 J3	57
1,4-Dichlorobenzene	400	490 J3	--	510 J3	92 J3	--	140 J3	130 J3	98 J3	--	28 J3	67
2-Butanone	390,000	280 J3	--	7,800	630 J3	8	1,100 J3	93,000	1,000 J3	--	870 J3	150
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--	--
4-Eethyltoluene	130	120 J3	--	150 J3	260 J3	--	110 J3	160 J3	97 J3	--	30 J3	75
4-Methyl-2-Pentanone	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	1,600	530 J3	7	2,200	2,100	11	1,200 J3	720 J3	4,600	8	96 J3	2,000
Benzene	52	46 J3	--	49 J3	140 J3	--	250 J3	620 J3	160 J3	--	120 J3	49
Bromodichloromethane	--	61 J3	--	--	--	--	--	--	67 J3	--	--	56
Bromoform	--	--	--	--	--	--	--	--	--	--	--	83
Bromomethane	40	51 J3	--	43 J3	21 J3	--	--	8 J3	47 J3	--	--	43
Carbon disulfide	88	1,700 J3	--	76 J3	1,300 J3	41	110 J3	13 J3	2,200	--	--	980
Carbon tetrachloride	13 J	19 J3	--	--	21 J3	--	--	--	22 J3	--	--	53
Chlorobenzene	--	--	--	--	--	--	--	710 J3	410 J3	--	110 J3	56
Chloroethane	35	83 J3	--	35 J3	64 J3	--	70 J3	150 J3	100 J3	--	27 J3	48
Chloroform	--	49 J3	--	49 J3	16 J3	--	--	--	23 J3	--	--	39
Chloromethane	180	710 J3	3	210 J3	780 J3	130	17 J3	55 J3	2,000	1,000	3 J3	500
cis-1,2-Dichloroethene	--	16 J3	--	7 J3	32 J3	--	44 J3	12 J3	37 J3	--	27 J3	32
cis-1,3-Dichloropropene	10 J	12 J3	--	--	15 J3	--	--	--	15 J3	--	--	31
Cyclohexane	870	380 J3	--	840 J3	350 J3	--	630 J3	2,100 J3	380 J3	--	490 J3	110
Dibromochloromethane	18 J	--	--	--	26 J3	--	--	--	28 J3	--	--	64
Dichlorodifluoromethane	200	80 J3	24	150 J3	70 J3	110	170 J3	300 J3	70 J3	130	39 J3	180
Ethanol	500	100 J3	--	--	--	--	--	46 J3	--	--	--	--
Ethylbenzene	240	190 J3	--	220 J3	480 J3	--	370 J3	620 J3	250 J3	--	97 J3	79
Heptane	580	370 J3	--	620 J3	920 J3	--	1,500 J3	2,200 J3	710 J3	--	500 J3	120
Hexachlorobutadiene	38 J	--	--	--	--	--	--	--	44 J3	--	--	180
Hexane	820	460 J3	--	820 J3	790 J3	20	1,300 J3	1,500 J3	610 J3	--	540 J3	140
Isopropyl alcohol	--	250 J3	--	--	130 J3	--	--	--	180 J3	--	--	--
m,p-Xylenes	1,400	1,300 J3	--	1,700 J3	1,400 J3	4	1,300 J3	2,200 J3	1,100 J3	--	370 J3	240
Methylene chloride	81	85 J3	6	53 J3	130 J3	35	170 J3	33 J3	100 J3	4	5 J3	110
o-Xylene	920	840 J3	--	1,100 J3	1,100 J3	--	1,200 J3	1,600 J3	700 J3	--	270 J3	170
Propylene	2,100	14,000	--	4,200	19,000	3	3,900	2,600 J3	32,000	--	490 J3	4,900
Styrene	--	--	--	11 J3	--	--	19 J3	29 J3	36 J3	--	6 J3	43
Tert-butyl methyl ether	--	--	--	--	--	--	--	--	--	--	--	40
Tetrachloroethene	37 J	39 J3	--	19 J3	39 J3	--	21 J3	270 J3	110 J3	--	55 J3	63
Tetrahydrofuran	1,100,000 J8	1,100	--	21,000	1,100	11	11,000	300,000	1,400	--	22,000	33
Toluene	140	100 J3	--	92 J3	310 J3	11	170 J3	210 J3	120 J3	--	46 J3	61
Trans-1,2-Dichloroethene	--	14 J3	--	--	16 J3	--	5 J3	19 J3	18 J3	--	--	28

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-3	EX-3	EX-3 EFFLUENT	EX-3 INFLUENT	EX-4	EX-4 EFFLUENT	EX-4 INFLUENT	EX-5	EX-5	EX-5 EFFLUENT	EX-5 INFLUENT	EX-6
Sample ID No.	**EX3001**	**EX3002**	**EX3E001**	**EX3I001**	**EX4001**	**EX4E001**	**EX4I001**	**EX5001**	**EX5002**	**EX5E001**	**EX5I001**	**EX6001**
Sample Date	**10/4/2002**	**11/13/2002**	**10/11/2002**	**10/11/2002**	**11/13/2002**	**10/15/2002**	**10/15/2002**	**10/4/2002**	**11/13/2002**	**10/17/2002**	**10/17/2002**	**11/13/2002**
EPA TO-14 VOA (µg/m^3) (Continued)												
Trans-1,3-Dichloropropene	6 J	11 J3	--	--	7 J3	--	--	--	14 J3	--	--	27
Trichloroethene	25 J	29 J3	--	16 J3	34 J3	--	24 J3	150 J3	66 J3	--	32 J3	47
Trichlorofluoromethane	18 J	19 J3	--	--	20 J3	--	--	--	21 J3	--	--	47
Vinyl acetate	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	11 J	10 J3	--	5 J3	15 J3	--	19 J3	81 J3	16 J3	--	14 J3	22
EPA 3C Landfill Gas (%)												
Carbon dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 25C Total Nonmethane Organic Carbon (ppmv)												
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonmethane organic carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-6 EFFLUENT	EX-6 INFLUENT	EX-7	EX-7 EFFLUENT	EX-7 INFLUENT	EX-8 EFFLUENT	EX-8 INFLUENT	EX-9	EX-9 EFFLUENT	EX-9 INFLUENT	EX-10	EX-10
Sample ID No.	EX6E001	EX6I001	EX7001	EX07E001	EX07I001	EX08E001	EX08I001	EX9001	EX09E001	EX09I001	EX10001	EX10002
Sample Date	10/23/2002	10/23/2002	10/4/2002	10/25/2002	10/25/2002	10/30/2002	10/30/2002	10/4/2002	11/1/2002	11/1/2002	10/4/2002	11/13/2002
EPA TO-14 VOA (µg/m^3)												
1,1,1-Trichloroethane	--	--	--	--	--	--	--	11 J0	--	--	--	15
1,1,2,2-Tetrachloroethane	--	20 J3	--	--	--	--	--	--	--	--	--	18
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	6 J03	--	--	--	--	26 J0	--	--	--	23
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	13
1,1-Dichloroethane	--	--	870 J03	--	5 J	--	4 J	87 J0	--	--	--	11
1,1-Dichloroethene	--	--	6 J03	--	--	--	--	10 J0	--	--	--	10
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	75 J3	14 J3	--	5 J	--	--	14	--	--	--	8
1,2-Dibromethane	--	--	--	--	--	--	--	16	--	--	--	19
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	12	60 J3	1,100 J03	26	14	--	9 J	280 J0	--	5 J	92 J0	32
1,2-Dichlorobenzene	--	--	--	--	--	--	--	8 J	--	--	--	9
1,2-Dichloroethane	--	--	--	--	--	--	--	10 J0	--	--	--	11
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	14
1,3,5-Trimethylbenzene	--	110 J3	10 J3	--	--	--	--	12	--	--	--	12
1,3-Butadiene	--	--	--	--	--	--	--	--	--	--	--	5
1,3-Dichlorobenzene	--	--	--	--	--	--	--	9 J	--	--	--	--
1,4-Dichlorobenzene	--	6 J3	--	--	--	--	--	9	--	--	--	11
2-Butanone	12	27 J3	190,000	--	240	--	17	190,000	--	5	84,000	130
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--	--
4-Eethyltoluene	--	13 J3	--	--	--	--	--	11	--	--	--	8
4-Methyl-2-Pentanone	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	55	460 J3	480	8	87	41	15	340 J0	10	11	480 J0	--
Benzene	--	33 J3	360 J3	--	6	--	--	29	--	--	11	10
Bromodichloromethane	--	--	--	--	--	--	--	--	--	--	--	18
Bromoform	--	--	--	--	--	--	--	23	--	--	--	28
Bromomethane	3	13 J3	--	--	--	--	--	10	--	--	--	11
Carbon disulfide	9	310 J3	1,500	--	--	18	--	140 J0	--	3 J	41 J0	18
Carbon tetrachloride	--	--	--	--	--	--	--	13	--	--	--	19
Chlorobenzene	--	--	110 J3	--	--	--	--	--	--	--	--	13
Chloroethane	54	62 J3	910	54	29	22	6	56 J0	4	2 J	--	7
Chloroform	--	--	--	--	--	--	--	7 J0	--	--	--	20
Chloromethane	420	110 J3	440 J03	120	--	3 J	--	40 J0	--	--	11 J0	--
cis-1,2-Dichloroethene	--	6 J3	--	--	--	--	--	11 J0	--	--	--	10
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	9	--	--	--	9
Cyclohexane	--	240 J3	1,600 J3	--	31	--	5 J	350	--	6	11	10
Dibromochloromethane	--	--	--	--	--	--	--	16	--	--	--	21
Dichlorodifluoromethane	50	12 J3	190 J03	50	7 J	25	--	23 J0	--	--	--	17
Ethanol	--	--	--	100	94	140	140	31 J0	100	180	31 J0	--
Ethylbenzene	--	29 J3	19 J3	--	--	--	--	20	--	--	--	10
Heptane	--	210 J3	150 J3	--	5 J	--	--	540	--	--	10	12
Hexachlorobutadiene	--	--	--	--	--	--	--	9 J	--	--	--	33
Hexane	--	300 J3	1,400	--	29	--	5 J	1,400 J0	--	5	--	16
Isopropyl alcohol	--	--	--	--	--	--	--	550 J0	--	--	--	--
m,p-Xylenes	--	100 J3	40 J3	--	7 J	--	4 J	40	--	4 J	--	21
Methylene chloride	39	5 J3	530 J03	6	4 J	11	5 J	530 J0	4 J	5	14 J0	64
o-Xylene	--	84 J3	22 J3	--	4 J	--	--	22	--	--	--	11
Propylene	2,100	4,900 J38	--	1,100 J8	23	320	3	1,900	--	2	7 J0	--
Styrene	--	--	--	--	--	--	--	13	--	--	--	9
Tert-butyl methyl ether	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	6 J3	190 J3	--	--	--	--	20	--	--	--	18
Tetrahydrofuran	--	3 J3	750,000	--	1,800	--	78	810,000	--	570	390,000	10,000
Toluene	--	15 J3	57 J3	--	5 J	--	5 J	100	--	6	17	19
Trans-1,2-Dichloroethene	--	--	44 J03	--	--	--	--	11 J0	--	--	--	11

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-6 EFFLUENT	EX-6 INFLUENT	EX-7	EX-7 EFFLUENT	EX-7 INFLUENT	EX-8 EFFLUENT	EX-8 INFLUENT	EX-9	EX-9 EFFLUENT	EX-9 INFLUENT	EX-10	EX-10
Sample ID No.	**EX6E001**	**EX6I001**	**EX7001**	**EX07E001**	**EX07I001**	**EX08E001**	**EX08I001**	**EX9001**	**EX09E001**	**EX09I001**	**EX10001**	**EX10002**
Sample Date	**10/23/2002**	**10/23/2002**	**10/4/2002**	**10/25/2002**	**10/25/2002**	**10/30/2002**	**10/30/2002**	**10/4/2002**	**11/1/2002**	**11/1/2002**	**10/4/2002**	**11/13/2002**
EPA TO-14 VOA (µg/m^3) (Continued)												
Trans-1,3-Dichloropropene	--	--	--	--	--	--	--	7	--	--	--	8
Trichloroethene	--	4 J3	44 J3	--	--	--	--	15	--	--	--	15
Trichlorofluoromethane	--	--	15 J03	--	--	--	--	15 J0	--	--	--	19
Vinyl acetate	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	5	7 J3	70 J03	--	--	--	--	12 J0	--	--	--	7
EPA 3C Landfill Gas (%)												
Carbon dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 25C Total Nonmethane Organic Carbon (ppmv)												
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonmethane organic carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-10	EX-10 EFFLUENT	EX-10 EFFLUENT	EX-10 EFFLUENT	GMP13	GMP13	GMP13	GMP14	GMP14	GMP15	GMP15
Sample ID No.	EX10003	EX10E001	EX10I001	EX10I002	GMP13SG001	GMP13SG002	GMP13SG003	GMP14SG001	GMP14SG002	GMP15SG001	GMP15SG002
Sample Date	11/13/2002	11/15/2002	11/15/2002	11/15/2002	6/5/2002	2/25/2003	2/25/2003	6/5/2002	2/25/2003	6/5/2002	2/25/2003
EPA TO-14 VOA (µg/m^3)											
1,1,1-Trichloroethane	14	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	17	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	22	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	13	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	10	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	8	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	9	--	--	17	--	--	--	39	--	7	--
1,2-Dibromethane	16	--	--	--	--	--	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	29	--	37	51	--	--	--	--	--	--	--
1,2-Dichlorobenzene	9	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	10	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	11	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	10	--	--	4 J	--	--	--	--	--	--	--
1,3-Butadiene	4	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	9	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	10	--	--	6 J	--	--	--	--	--	--	--
2-Butanone	130	--	72	190	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Eethyltoluene	7	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	--	--	--	--	--	--	--	--	--
Acetone	--	--	--	--	--	--	--	--	--	--	--
Benzene	9	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	16	--	--	--	--	--	--	--	--	--	--
Bromoform	24	--	--	--	--	--	--	--	--	--	--
Bromomethane	10	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	21	35	25	5	--	--	--	--	4 J	--	5
Carbon tetrachloride	17	--	--	--	--	--	--	26	23	6	15
Chlorobenzene	11	--	--	--	--	--	--	--	--	--	--
Chloroethane	6	32	--	--	--	--	--	--	--	--	--
Chloroform	18	--	--	8	36	13	14	54	54	16	50
Chloromethane	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	9	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	9	--	--	--	--	--	--	--	--	--	--
Cyclohexane	8	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	18	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	15	20	--	34 J	--	--	--	--	--	9	--
Ethanol	--	--	--	990	--	--	--	--	--	--	--
Ethylbenzene	9	--	--	--	--	--	--	--	--	--	--
Heptane	10	--	3 J	--	--	--	--	--	--	--	--
Hexachlorobutadiene	27	--	--	--	--	--	--	--	--	--	--
Hexane	16	--	--	--	--	--	51	--	46	--	--
Isopropyl alcohol	--	--	--	--	6	--	--	10	--	--	--
m,p-Xylenes	20	--	--	--	--	--	--	--	--	--	--
Methylene chloride	71	85	9	--	--	--	150	--	120	--	--
o-Xylene	10	--	--	--	--	--	--	--	--	8 J3	--
Propylene	--	--	--	--	--	--	--	--	--	--	--
Styrene	8	--	--	--	--	--	--	--	--	--	--
Tert-butyl methyl ether	6	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	17	--	--	--	14	6 J	6 J	--	--	12	--
Tetrahydrofuran	9,300	--	1,300	1,200	--	--	7	--	--	--	--
Toluene	19	--	--	--	--	--	--	--	--	--	--
Trans-1,2-Dichloroethene	10	--	--	--	--	--	--	--	--	--	--

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	EX-10	EX-10 EFFLUENT	EX-10 EFFLUENT	EX-10 EFFLUENT	GMP13	GMP13	GMP13	GMP14	GMP14	GMP15	GMP15
Sample ID No.	**EX10003**	**EX10E001**	**EX10I001**	**EX10I002**	**GMP13SG001**	**GMP13SG002**	**GMP13SG003**	**GMP14SG001**	**GMP14SG002**	**GMP15SG001**	**GMP15SG002**
Sample Date	**11/13/2002**	**11/15/2002**	**11/15/2002**	**11/15/2002**	**6/5/2002**	**2/25/2003**	**2/25/2003**	**6/5/2002**	**2/25/2003**	**6/5/2002**	**2/25/2003**
EPA TO-14 VOA (µg/m^3) (Continued)											
Trans-1,3-Dichloropropene	7	--	--	--	--	--	--	--	--	--	--
Trichloroethene	14	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	18	--	--	--	--	--	5 J	6	--	5	6 J
Vinyl acetate	--	--	--	4 J	--	--	--	--	--	--	--
Vinyl chloride	6	--	--	--	--	--	--	--	--	--	--
EPA 3C Landfill Gas (%)											
Carbon dioxide	NA	NA	NA	NA	0.6	0.5	0.5	0.3	0.2	3	2
Methane	NA	NA	NA	NA	--	--	--	--	--	--	--
Nitrogen	NA	NA	NA	NA	82	78	78	81	78	81	80
Oxygen	NA	NA	NA	NA	18	21	21	18	22	16	18
EPA 25C Total Nonmethane Organic Carbon (ppmv)											
Methane	NA	NA	NA	NA	--	--	--	--	--	--	--
Nonmethane organic carbon	NA	NA	NA	NA	--	--	6	--	5	--	5

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	GMP16	GMP16	GMP16	GMP17	GMP17	GMP18	GMP18	GMP19	GMP19	GMP22	GMP22	GMP22	GMP22
Sample ID No.	GMP16SG001	GMP16SG002	GMP16SG003	GMP17SG001	GMP17SG002	GMP18SG001	GMP18SG002	GMP19SG001	GMP19SG002	GMP22001	GMP22002	GMP22003	GMP22004
Sample Date	6/5/2002	6/5/2002	2/25/2003	6/5/2002	2/25/2003	6/5/2002	2/25/2003	6/5/2002	2/25/2003	10/7/2002	10/7/2002	11/13/2002	2/25/2003
EPA TO-14 VOA (µg/m^3)													
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	18 J3	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	--	--	--	--	--	--	--	32 J3	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	22 J3	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	13 J3	--	--	9 J3
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	15 J3	--
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	7	--	--	--	--	--
1,2,4-Trimethylbenzene	12	22	--	--	--	--	--	26	--	240 J3	270	320 J3	130 J03
1,2-Dibromethane	--	--	--	--	--	--	--	--	--	--	--	20 J3	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	--	--	--	--	--	--	--	--	--	240 J3	300	170 J3	66 J3
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	12 J3	12	49 J3	20 J03
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	5 J3
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	5	9	--	--	--	--	--	5	--	230 J3	250	300 J3	490 J03
1,3-Butadiene	--	--	--	--	--	--	--	11	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	28 J3	--
1,4-Dichlorobenzene	--	6	--	--	--	--	--	--	--	52 J3	58	100 J3	130 J03
2-Butanone	--	--	--	--	--	--	--	--	--	100 J3	120	390 J3	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Eethyltoluene	--	6	--	--	--	--	--	--	--	49 J3	57	75 J3	84 J03
4-Methyl-2-Pentanone	--	--	--	--	--	--	--	--	--	--	220	--	--
Acetone	--	11	--	--	--	--	--	--	--	1,100 J3	960 J3	890	--
Benzene	28	28	--	--	--	--	--	14	--	120 J3	130	100 J3	62 J3
Bromodichloromethane	8	8	--	--	--	--	--	12	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	7 J3	--	29 J3	4 J3
Carbon disulfide	--	--	--	--	--	--	--	--	--	51 J3	30	250 J3	16 J3
Carbon tetrachloride	--	--	--	--	--	--	--	--	--	--	--	20 J3	--
Chlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--	--	43 J3	54	56 J3	29 J3
Chloroform	6	5	--	--	9	--	14	10	--	16 J3	20	26 J3	7 J3
Chloromethane	--	--	--	--	--	--	--	--	--	--	--	380 J3	40 J3
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	16 J3	19	27 J3	8 J3
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	13 J3	--
Cyclohexane	--	--	--	--	--	--	--	--	--	1,800 J3	2,000	1,500 J3	1,300 J3
Dibromochloromethane	11	13	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	6	9	--	--	--	--	--	5	--	500 J3	550	210 J3	48 J3
Ethanol	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	28	57	--	--	--	--	--	--	--	130 J3	140	130 J3	150 J03
Heptane	--	--	--	--	--	--	--	--	--	1,000 J3	1,100	920 J3	790 J3
Hexachlorobutadiene	--	--	--	--	--	--	--	21 J7	--	--	--	38 J3	--
Hexane	--	--	33	--	--	--	--	--	--	1,500 J3	1,800	1,200 J3	960 J3
Isopropyl alcohol	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	48	84	--	--	--	--	--	--	--	840 J3	880	1,100 J3	700 J03
Methylene chloride	--	--	130	--	--	--	--	--	--	170 J3	160	140 J3	--
o-Xylene	22 J3	35 J3	--	--	--	--	--	11 J3	--	570 J3	620	660 J3	1,100 J03
Propylene	--	--	--	--	--	--	--	37	--	3 J3	880	1,200	2,300
Styrene	5	8	--	--	--	--	--	--	--	--	--	29 J3	10 J03
Tert-butyl methyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	6	--	--	--	--	--	--	--	19 J3	19	43 J3	20 J3
Tetrahydrofuran	--	3	--	--	--	--	--	--	--	17 J3	--	--	--
Toluene	--	--	--	--	--	--	--	--	--	73 J3	65	77 J3	38 J3
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	9 J3	--	18 J3	--

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	GMP16	GMP16	GMP16	GMP17	GMP17	GMP18	GMP18	GMP19	GMP19	GMP22	GMP22	GMP22	GMP22
Sample ID No.	**GMP16SG001**	**GMP16SG002**	**GMP16SG003**	**GMP17SG001**	**GMP17SG002**	**GMP18SG001**	**GMP18SG002**	**GMP19SG001**	**GMP19SG002**	**GMP22001**	**GMP22002**	**GMP22003**	**GMP22004**
Sample Date	**6/5/2002**	**6/5/2002**	**2/25/2003**	**6/5/2002**	**2/25/2003**	**6/5/2002**	**2/25/2003**	**6/5/2002**	**2/25/2003**	**10/7/2002**	**10/7/2002**	**11/13/2002**	**2/25/2003**
EPA TO-14 VOA (µg/m^3) (Continued)													
Trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	13 J3	--
Trichloroethene	--	--	--	--	--	16	38	--	--	200 J3	19	39 J3	17 J3
Trichlorofluoromethane	6	6	8 J	--	7 J	--	--	--	--	--	--	19 J3	--
Vinyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	--	--	--	--	--	--	--	--	--	11 J3	14	15 J3	--
EPA 3C Landfill Gas (%)													
Carbon dioxide	0.3	0.3	0.2	0.4	--	0.3	0.4	0.1 J	--	NA	NA	13	--
Methane	--	--	--	--	--	--	--	--	--	NA	NA	0.7	--
Nitrogen	80	80	78	81	79	80	80	81	78	NA	NA	85	87
Oxygen	20	18	22	18	20	19	20	19	21	NA	NA	1	3
EPA 25C Total Nonmethane Organic Carbon (ppmv)													
Methane	--	--	--	--	--	--	--	--	--	NA	NA	NA	340
Nonmethane organic carbon	--	--	13	--	13	--	13	--	12	NA	NA	54	59

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	GMP22	GMP23	GMP23	GMP23	GMP24	GMP24	GMP24	GMP25	GMP25	GMP25	GMP25	GMP26	GMP26	GMP26
Sample ID No.	GMP22005	GMP23001	GMP23002	GMP23003	GMP24SG001	GMP24001	GMP24002	GMP25SG001	GMP25001	GMP25002	GMP25003	GMP26001	GMP26002	GMP26003
Sample Date	5/27/2003	11/13/2002	2/25/2003	5/27/2003	11/13/2002	2/25/2003	5/27/2003	11/13/2002	2/25/2003	5/27/2003	5/27/2003	2/25/2003	2/25/2003	5/27/2003
EPA TO-14 VOA (µg/m^3)														
1,1,1-Trichloroethane	--	17 J3	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	30 J3	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	62 J3	70 J3	--	49 J3	54 J3	45	45 J3	--	--	--
1,1-Dichloroethene	--	15 J3	--	--	--	3 J3	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	80 J3	250 J3	280 J03	130	600 J3	700 J03	260	--	5 J3	--	--	--	--	--
1,2-Dibromethane	--	21 J3	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	31 J3	33 J3	10 J3	--	140 J3	92 J3	--	130 J3	210 J3	85	85 J3	25	16	21
1,2-Dichlorobenzene	--	43 J3	28 J30	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	19 J3	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	370 J3	480 J03	200	750 J3	1,000 J03	290	6 J3	--	--	--	--	--	--
1,3-Butadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	24 J3	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	49 J3	38 J03	--	16 J3	23 J03	--	11 J3	8 J3	--	--	--	--	--
2-Butanone	--	480 J3	--	--	390 J3	--	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Eethyltoluene	--	71 J3	66 J03	--	88 J3	100 J03	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	--	5,100	940 J3	--	3,100	--	2,900	--	--	--	--	--	--	--
Benzene	28 J3	310 J3	110 J3	85	160 J3	190 J3	52	49 J3	39 J3	42	42 J3	--	--	--
Bromodichloromethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	--	58 J3	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	17 J3	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	--	1,000 J3	950 J3	150	350 J3	66 J3	1,400	26 J3	8 J3	--	--	--	--	--
Carbon tetrachloride	--	21 J3	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	--	520 J3	630 J03	180	--	--	--	140 J3	99 J3	85	94 J3	--	--	--
Chloroethane	--	72 J3	27 J3	--	270 J3	290 J3	46	160 J3	230 J3	220	230 J3	--	--	--
Chloroform	--	16 J3	--	--	--	--	--	--	--	--	--	18	12	19
Chloromethane	--	800 J3	360 J3	65	270 J3	50 J3	250	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	36 J3	12 J3	--	48 J3	56 J3	--	10 J3	11 J3	--	--	--	--	--
cis-1,3-Dichloropropene	--	15 J3	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	730 J3	660 J3	420 J3	320	630 J3	870 J3	230	450 J3	150 J3	--	--	--	--	--
Dibromochloromethane	--	24 J3	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	21 J3	30 J3	--	--	100 J3	120 J3	--	240 J3	48 J3	--	23 J3	--	--	--
Ethanol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	--	170 J3	170 J03	--	92 J3	150 J03	--	6 J3	--	--	--	--	--	--
Heptane	310 J3	1,200 J3	750 J3	580	500 J3	620 J3	190	12 J3	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexane	430 J3	1,200 J3	570 J3	540	790 J3	960 J3	390	140 J3	--	--	--	--	--	--
Isopropyl alcohol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	290 J3	620 J3	750 J30	260	1,000 J3	1,500 J03	290	57 J3	9 J3	--	--	--	--	--
Methylene chloride	--	120 J3	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	210 J3	400 J3	530 J03	170	700 J3	1,000 J03	240	29 J3	10 J3	--	--	--	--	--
Propylene	1,400 J3	26,000	6,100	8,800	4,900	6,100	8,100	840 J3	260 J3	--	--	--	--	--
Styrene	--	25 J3	--	--	36 J3	56 J03	--	--	--	--	--	--	--	--
Tert-butyl methyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	38 J3	15 J3	--	19 J3	22 J3	--	11 J3	12 J3	--	--	--	--	--
Tetrahydrofuran	--	11 J3	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	--	96 J3	50 J3	--	61 J3	57 J3	--	--	--	--	--	--	--	--
Trans-1,2-Dichloroethene	--	19 J3	--	--	--	6 J3	--	--	--	--	--	--	--	--

APPENDIX F: ANALYTICAL RESULTS (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Sampling Location ID No.	GMP22	GMP23	GMP23	GMP23	GMP24	GMP24	GMP24	GMP25	GMP25	GMP25	GMP25	GMP26	GMP26	GMP26
Sample ID No.	**GMP22005**	**GMP23001**	**GMP23002**	**GMP23003**	**GMP24SG001**	**GMP24001**	**GMP24002**	**GMP25SG001**	**GMP25001**	**GMP25002**	**GMP25003**	**GMP26001**	**GMP26002**	**GMP26003**
Sample Date	**5/27/2003**	**11/13/2002**	**2/25/2003**	**5/27/2003**	**11/13/2002**	**2/25/2003**	**5/27/2003**	**11/13/2002**	**2/25/2003**	**5/27/2003**	**5/27/2003**	**2/25/2003**	**2/25/2003**	**5/27/2003**
EPA TO-14 VOA (µg/m^3) (Continued)														
Trans-1,3-Dichloropropene	--	13 J3	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	36 J3	11 J3	--	19 J3	23 J3	--	8 J3	8 J3	--	--	--	--	--
Trichlorofluoromethane	--	18 J3	--	--	9 J3	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	--	17 J3	3 J3	--	14 J3	17 J3	--	4 J3	2 J3	--	--	--	--	--
EPA 3C Landfill Gas (%)														
Carbon dioxide	12	5	4	9	13	11	9	13	10	13	14	8	6	13
Methane	--	0.6	--	0.8	2	0.8	0.9	0.6	0.8	--	--	--	--	--
Nitrogen	86	94	94	88	83	86	87	85	88	83	84	84	83	81
Oxygen	2	1	1	2	2	2	4	2	1	4	2	8	11	6
EPA 25C Total Nonmethane Organic Carbon (ppmv)														
Methane	NA	NA	980 J8	NA	NA	NA	NA	NA	NA	NA	NA	--	--	NA
Nonmethane organic carbon	NA	43	76	NA	130	77	NA	75	80	NA	NA	16	11	NA

Notes:

µg/m3	Microgram per cubic meter
---	Not applicable
%	Percent
0	Internal standard problems
3	Surrogate/laboratory control spike/matrix spike problems
7	Calibration problems
8	Calibration range problems
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Estimated value
NA	Not analyzed
ppmv	Parts per million by volume
VOA	Volatile organic analysis

APPENDIX G
EVALUATION OF VAPOR INTRUSION POTENTIAL AT THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO COMPOUND (INDOOR AIR EXPOSURE PATHWAY)

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ACRONYMS AND ABBREVIATIONS

bgs	Below ground surface
EPA	U.S. Environmental Protection Agency
GMP	Gas monitoring probe
H	Henry's Law Constant
JEM	Johnson-Ettinger Model
Navy	U.S. Department of the Navy
OEHHA	Office of Health Hazard Assessment
TCRA	Time-critical removal action
TSGC	Target soil-gas concentration
UCSF	University of California, San Francisco
VOC	Volatile organic compound

1.0 INTRODUCTION

This appendix summarizes the methods and the results of a vapor intrusion evaluation for volatile organic compounds (VOC) detected in soil-gas under the University of California, San Francisco (UCSF) compound located north of the former Parcel E Industrial Landfill. The UCSF compound is located near the Industrial Landfill in Installation Restoration Site 01/21 of Parcel E in Hunters Point Shipyard, San Francisco, California. The U.S. Department of the Navy (Navy) conducted this evaluation consistent with a three-tiered method developed by U.S. Environmental Protection Agency (EPA) and described in the "Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils" (EPA 2002a). The purpose of this appendix is to evaluate the potential risks to current and future workers at the UCSF compound from nonmethane VOCs associated with the former landfill. The remainder of this appendix is organized as follows:

- Section 2.0, Site Description/Previously Conducted Site Characterization Activities, describes the site and summarizes previously conducted site characterization activities.
- Section 3.0, Gas Monitoring Results, summarizes the results of gas monitoring.
- Section 4.0, Vapor Intrusion Evaluation, summarizes the three-tiered process used to evaluate the vapor intrusion pathway.
- Section 5.0, Conclusions and Significance of Results for UCSF Compound, presents the conclusions based on the results of the evaluation.
- Section 6.0, References, lists the sources cited in the text that were used to prepare this appendix.

Table G-1, which presents the sampling results at each gas monitoring probe (GMP), is presented after its first mention in the text of this appendix. Attachments to this appendix are presented after Section 6.0. Attachments G-1, G-2, G-3, and G-4 present the February and May 2003 analytical results of gas monitoring and industrial and residential risk estimates.

2.0 SITE DESCRIPTION/PREVIOUSLY CONDUCTED SITE CHARACTERIZATION ACTIVITIES

Figure 2 of the closeout report shows the location of the landfill in relation to the UCSF compound, Crisp Avenue, and Parcel A to the north. The landfill boundary is south of the UCSF compound within 10 feet of the fence located between the UCSF compound and the landfill. A comprehensive description of the site is provided in Section 1.1 of the closeout report.

In early 2002, the Navy performed an investigation to characterize the nature and extent of landfill gas in soils near the landfill. Investigation results showed that landfill gas consisting of

mostly methane had migrated north from the landfill and accumulated under the USCF compound at levels exceeding the lower explosive limit for methane. Consequently, the Navy initiated a time-critical removal action (TCRA) to accomplish the following objectives:

- Eliminate methane (from subsurface soil) that has accumulated in the UCSF compound
- Prevent future gas migration from the landfill onto the UCSF compound (Tetra Tech EM Inc. 2002)

Because methane can act as a carrier gas for more toxic compounds, nonmethane VOCs were sampled for and the potential health effects to current and future workers at the UCSF compound were evaluated in this assessment. Section 3.0 describes the sampling activities and the data used in this evaluation. Since the objective of the evaluation is to assess whether VOCs associated with landfill gas pose a risk to receptors at the UCSF compound, the potential health risk from other media and exposure routes is not considered as part of this evaluation.

3.0 GAS MONITORING RESULTS

As discussed in Section 4.1.2 of the closeout report, gas samples were collected from the GMPs in the UCSF compound (GMP22 through GMP26) on February 25, 2003, following the end of the 4-week monitoring period, which began active extraction on the UCSF compound had been finished. These samples were sent to a laboratory for analysis using EPA Method TO-14A (EPA 1999). Monthly monitoring continued until May 23, 2003, and the final round of Summa™ canister samples was collected from the UCSF GMPs on May 27, 2003.

The results of the analyses showed that nonmethane VOCs were present at low concentrations in soil-gas in the GMPs beneath the UCSF compound. In general, VOC concentrations decreased at the GMP locations from the February to the May monitoring events. Appendix F of the closeout report presents the GMP analytical results of the investigation.

4.0 VAPOR INTRUSION EVALUATION

EPA has developed a tiered process for evaluating the potential for health risks caused by vapor intrusion (EPA 2002a). This process consists of a systematic, three-tiered approach for assessing whether the potential exists for unacceptable risk through the inhalation pathway. The guidance relies primarily on the use of risk-based screening values (for example, target soil-gas concentrations [TSGC]) to assess whether the potential for health risks is significant enough to warrant implementation of control measures (EPA 2002a).

Sections 4.1, 4.2, and 4.3 of this appendix summarize each tier of EPA's three-tiered approach.

4.1 TIER 1-PRIMARY SCREENING METHODOLOGY AND RESULTS

The first tier of the evaluation consists of the primary screening step that involves answering the following three questions about the site:

- **Question 1: Are chemicals of "sufficient volatility and toxicity" present at the site?** In this step, chemicals are considered sufficiently toxic if the vapor concentration of the pure component poses an incremental cancer risk greater than 1×10^{-6} or a noncancer hazard quotient greater than 1 (EPA 2002a). Chemicals are considered sufficiently volatile if the Henry's Law Constant (H) is 1×10^{-5} atmosphere-cubic meters per mole or greater. For the purposes of this assessment, the EPA Region IX definition of volatility will also be applied. EPA Region IX defines volatile chemicals as chemicals with an H of 1×10^{-5} or greater and a molecular weight greater than 200 grams per mole (EPA 2002b).

- **Question 2: Are "inhabited buildings" near or overlying the contamination source?** All five of the GMPs evaluated in this assessment are located near Building 830 on the UCSF compound. Since the UCSF compound is currently used for industrial and research purposes, this assessment will evaluate the inhalation pathway based on industrial reuse.

- **Question 3: Is immediate action warranted to mitigate current risks to residents of the inhabited buildings?** No residential buildings currently exist on the UCSF compound or near the five GMPs; therefore, immediate action is not warranted.

4.2 TIER 2-SECONDARY SCREENING

The second tier of the evaluation is the secondary screening to assess whether concentrations of chemicals exceed target concentrations. First, measured soil-gas concentrations were compared with generic, numeric soil-gas criteria, or TSGC, provided in Table 2 of the guidance. These criteria are referred to as "generic" because they were developed based on a set of general assumptions that may or may not be relevant to the actual site being evaluated and "reflect generally reasonable worst-case conditions" (EPA 2002a). Table 2 of the guidance is divided into three tables based on target cancer risk levels: 1×10^{-4} (Table 2a), 1×10^{-5} (Table 2b), and 1×10^{-6} (Table 2c). Table 2c was used during this evaluation because it is considered to be the most protective of human health. Table 2c provides TSGC for both shallow (0 to 5 feet below ground surface [bgs]) and deep soil-gas (greater than 5 feet bgs). The TSGC for deep soil-gas was selected for this assessment because the soil-gas samples used during this screening evaluation were collected at depths of 6 and 6.5 feet bgs.

In this step, all VOC data for the five GMP locations for the two monitoring events were compiled and compared against the deep soil-gas screening criteria presented in Table 2c. All detected VOCs were carried on to the Tier 3 assessment, whether or not they exceeded the screening criteria, to evaluate cumulative multichemical risk at each GMP location. Nondetected

chemicals for which the detection limit exceeded the screening criteria were also carried through to the Tier 3 assessment if the chemical had been detected in one or more of the GMP locations. For these chemicals, a substitute value of one-half the detection limit was used in the risk assessment as the exposure point concentration. For duplicate samples in which both the original and duplicate samples indicated detected or nondetected values, the higher of the two values was used in the Tier 3 assessment.

4.3 TIER 3-SITE-SPECIFIC PATHWAY ASSESSMENT

The third tier of the evaluation is a site-specific pathway assessment that is conducted if both the primary screening and secondary screening steps are unable to verify that the indoor air pathway is incomplete. For the purposes of this assessment, all chemicals with concentrations exceeding screening criteria and all nondetected chemicals with detection limits exceeding screening criteria were evaluated in the Tier 3 evaluation.

As part of the Tier 3 evaluation, the potential human health risk associated with exposure to the nonmethane VOCs identified in Attachments G-1 and G-2 of this appendix was evaluated using EPA's Johnson-Ettinger model (JEM) for subsurface vapor intrusion into buildings (EPA 2003). The JEM model has recently been revised to incorporate the default values recommended in EPA's recent vapor intrusion guidance.

In addition, the inhalation toxicity values presented in the JEM model were compared with inhalation toxicity values developed by the California Environmental Protection Agency's Office of Health Hazard Assessment (OEHHA). In general, OEHHA-developed toxicity values are more conservative (higher) than EPA-developed toxicity values. For chemicals for which the OEHHA toxicity values are higher, these toxicity values were used to replace EPA-developed toxicity values in the JEM model for this assessment.

The default JEM model parameters were used in this assessment except for exposure duration and exposure frequency. An exposure duration of 25 years and exposure frequency of 250 days per year were selected, consistent with EPA's default exposure parameters for industrial workers (EPA 2002b). In addition, a residential evaluation was conducted for comparison purposes, assuming future unrestricted land use of the USCF compound. Attachments G-3 and G-4 of this appendix present the results of the residential evaluation.

Table G-1 presents the results of the Tier 3 evaluation for each sampling location. Attachments G-1 and G-2 of this appendix contain detailed spreadsheets showing the cancer risk and noncancer hazard quotient for each VOC.

TABLE G-1: RESULTS FOR EACH SAMPLING LOCATION
Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Location	February		May	
	Incremental Cancer Risk	Noncancer Hazard Index	Incremental Cancer Risk	Noncancer Hazard Index
GMP22	2.1×10^{-7}	1.3×10^{-2}	3.5×10^{-8}	2.7×10^{-3}
GMP23	2.4×10^{-7}	1.7×10^{-2}	1.9×10^{-7}	6.2×10^{-3}
GMP24	4.0×10^{-7}	3.1×10^{-2}	1.7×10^{-7}	9.8×10^{-3}
GMP25	8.7×10^{-8}	1.4×10^{-3}	5.2×10^{-8}	1.9×10^{-3}
GMP26	2.0×10^{-8}	8.0×10^{-3}	8.8×10^{-9}	4.4×10^{-4}

Note:
GMP Gas monitoring probe

5.0 CONCLUSIONS AND SIGNIFICANCE OF RESULTS FOR UCSF COMPOUND

Results of this assessment indicate that no significant cancer risk or noncancer health hazard is posed to current and future workers at the UCSF compound by any of the detected VOCs. For each sampling location evaluated, the total incremental cancer risk for carcinogenic nonmethane VOCs is less than 1×10^{-6}, and the total hazard index for each sampling location is less than 1, indicating no potential for adverse noncancer health effects. In addition, the cancer risk and noncancer health hazard estimates for each GMP location have decreased from the February to May 2003 sampling events, indicating the TCRA has been effective in reducing risks to current and future receptors at the UCSF compound.

The results of the Tier 3 evaluation indicate that nonmethane VOCs detected underneath the UCSF compound do not pose a significant risk to current or future receptors at the site.

6.0 REFERENCES

Tetra Tech EM Inc. 2002. ”Parcel E Landfill Gas Time-Critical Removal Action, Action Memorandum, Hunters Point Shipyard, San Francisco, California.” September 23.

U.S. Environmental Protection Agency (EPA). 1999. “Compendium Method TO-14A Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using Specialy Prepared Canisters with Subsequent Analysis by Gas Chromatography.” EPA/625/R-96-010b. *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition.* Center for Environmental Research Information, Office of Research and Development. Cincinnati, Ohio. January.

EPA. 2002a. “Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway.” Office of Solid Waste and Emergency Response. November.

EPA. 2002b. “Region IX Preliminary Remediation Goals 2002.” November.

EPA. 2003. “User’s Guide for the Johnson and Ettinger (1991) Model for Subsurface Vapor Intrusion Into Buildings (Revised).” Office of Emergency and Remedial Response. Washington, D.C. June.

ATTACHMENTS

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22004	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP22	GMP22004	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	UJ0		
GMP22	GMP22004	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP22	GMP22004	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP22	GMP22004	2/25/2003	6	1,1-Dichloroethane	75343	9.48	J3	5.2E-10	1.9E-06
GMP22	GMP22004	2/25/2003	6	1,1-Dichloroethene	75354	5.64	U		
GMP22	GMP22004	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	UJ0		
GMP22	GMP22004	2/25/2003	6	1,2,4-Trimethylbenzene	95636	129.74	J03	NA	1.8E-03
GMP22	GMP22004	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP22	GMP22004	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	66.12	J3		
GMP22	GMP22004	2/25/2003	6	1,2-Dichlorobenzene	95501	20.16	J03	NA	9.3E-06
GMP22	GMP22004	2/25/2003	6	1,2-Dichloroethane	107062	4.53	J3	5.7E-09	1.2E-04
GMP22	GMP22004	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP22	GMP22004	2/25/2003	6	1,3,5-Trimethylbenzene	108678	494.01	J03	NA	6.7E-03
GMP22	GMP22004	2/25/2003	6	1,3-Butadiene	106990	3.14	U		
GMP22	GMP22004	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	UJ0		
GMP22	GMP22004	2/25/2003	6	1,4-Dichlorobenzene	106467	128.31	J03	4.6E-08	1.1E-04
GMP22	GMP22004	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP22	GMP22004	2/25/2003	6	2-Butanone	78933	4.19	U		
GMP22	GMP22004	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP22	GMP22004	2/25/2003	6	4-Ethyltoluene	622968	83.79	J03		
GMP22	GMP22004	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP22	GMP22004	2/25/2003	6	Acetone	67641	15.67	U4J3		
GMP22	GMP22004	2/25/2003	6	Benzene	71432	61.75	J3	7.1E-08	1.1E-03
GMP22	GMP22004	2/25/2003	6	Benzyl chloride	100447	7.39	UJ0		
GMP22	GMP22004	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP22	GMP22004	2/25/2003	6	Bromoform	75252	14.70	UJ0		
GMP22	GMP22004	2/25/2003	6	Bromomethane	74839	3.95	J3	NA	7.9E-05
GMP22	GMP22004	2/25/2003	6	Carbon disulfide	75150	16.43	J3	NA	3.0E-06
GMP22	GMP22004	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		
GMP22	GMP22004	2/25/2003	6	Chlorobenzene	108907	6.58	UJ0		
GMP22	GMP22004	2/25/2003	6	Chloroethane	75003	29.48	J3	NA	4.8E-05
GMP22	GMP22004	2/25/2003	6	Chloroform	67663	6.93	J3		
GMP22	GMP22004	2/25/2003	6	Chloromethane	74873	39.90	J3	3.7E-09	1.9E-05
GMP22	GMP22004	2/25/2003	6	cis-1,2-Dichloroethene	156592	7.58	J3	NA	2.1E-05
GMP22	GMP22004	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP22	GMP22004	2/25/2003	6	Cyclohexane	110827	1,291.30	J3		
GMP22	GMP22004	2/25/2003	6	Dibromochloromethane	124481	12.11	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22004	2/25/2003	6	Dichlorodifluoromethane	75718	47.79	J3	NA	2.1E-05
GMP22	GMP22004	2/25/2003	6	Ethanol	64175	2.67	U		
GMP22	GMP22004	2/25/2003	6	Ethylbenzene	100414	154.00	J03	5.9E-09	1.5E-05
GMP22	GMP22004	2/25/2003	6	Heptane	142825	790.40	J3		
GMP22	GMP22004	2/25/2003	6	Hexachlorobutadiene	87683	15.19	UJ0		
GMP22	GMP22004	2/25/2003	6	Hexane	110543	963.90	J3	NA	1.1E-03
GMP22	GMP22004	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP22	GMP22004	2/25/2003	6	m,p-xylenes	106423	704.00	J03	NA	7.0E-04
GMP22	GMP22004	2/25/2003	6	Methylene chloride	75092	16.24	U4J3		
GMP22	GMP22004	2/25/2003	6	o-xylene	95476	1,056.00	J03	NA	1.1E-03
GMP22	GMP22004	2/25/2003	6	Propylene	115071	2,275.00			
GMP22	GMP22004	2/25/2003	6	Styrene	100425	10.37	J03	NA	1.0E-06
GMP22	GMP22004	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP22	GMP22004	2/25/2003	6	Tetrachloroethene	127184	20.01	J3	3.9E-09	3.1E-06
GMP22	GMP22004	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		
GMP22	GMP22004	2/25/2003	6	Toluene	108883	38.30	J3	NA	1.1E-05
GMP22	GMP22004	2/25/2003	6	trans-1,2-Dichloroethene	156605	5.59	U		
GMP22	GMP22004	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP22	GMP22004	2/25/2003	6	Trichloroethene	79016	17.14	J3	7.1E-08	5.0E-05
GMP22	GMP22004	2/25/2003	6	Trichlorofluoromethane	75694	7.98	U		
GMP22	GMP22004	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP22	GMP22004	2/25/2003	6	Vinyl chloride	75014	3.64	U		
						GMP22 Total Risk:		**2.1E-07**	**1.3E-02**
GMP23	GMP23002	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP23	GMP23002	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	UJ0		
GMP23	GMP23002	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP23	GMP23002	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP23	GMP23002	2/25/2003	6	1,1-Dichloroethane	75343	5.77	U		
GMP23	GMP23002	2/25/2003	6	1,1-Dichloroethene	75354	5.64	U		
GMP23	GMP23002	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	UJ0		
GMP23	GMP23002	2/25/2003	6	1,2,4-Trimethylbenzene	95636	284.43	J03	NA	3.9E-03
GMP23	GMP23002	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP23	GMP23002	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	9.95	J3		
GMP23	GMP23002	2/25/2003	6	1,2-Dichlorobenzene	95501	28.11	J30	NA	1.3E-05
GMP23	GMP23002	2/25/2003	6	1,2-Dichloroethane	107062	5.77	U		
GMP23	GMP23002	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP23	GMP23002	2/25/2003	6	1,3,5-Trimethylbenzene	108678	484.03	J03	NA	6.6E-03
GMP23	GMP23002	2/25/2003	6	1,3-Butadiene	106990	3.14	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23002	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	UJ0		
GMP23	GMP23002	2/25/2003	6	1,4-Dichlorobenzene	106467	37.88	J03	1.4E-08	3.2E-05
GMP23	GMP23002	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP23	GMP23002	2/25/2003	6	2-Butanone	78933	35.88	U2J3		
GMP23	GMP23002	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP23	GMP23002	2/25/2003	6	4-Ethyltoluene	622968	66.15	J03		
GMP23	GMP23002	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP23	GMP23002	2/25/2003	6	Acetone	67641	939.90	J3	NA	7.9E-04
GMP23	GMP23002	2/25/2003	6	Benzene	71432	110.50	J3	1.3E-07	2.1E-03
GMP23	GMP23002	2/25/2003	6	Benzyl chloride	100447	7.39	UJ0		
GMP23	GMP23002	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP23	GMP23002	2/25/2003	6	Bromoform	75252	14.70	UJ0		
GMP23	GMP23002	2/25/2003	6	Bromomethane	74839	5.53	U		
GMP23	GMP23002	2/25/2003	6	Carbon disulfide	75150	948.00	J3	NA	1.7E-04
GMP23	GMP23002	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		
GMP23	GMP23002	2/25/2003	6	Chlorobenzene	108907	629.80	J03	NA	1.0E-03
GMP23	GMP23002	2/25/2003	6	Chloroethane	75003	26.80	J3	NA	4.4E-05
GMP23	GMP23002	2/25/2003	6	Chloroform	67663	6.93	U		
GMP23	GMP23002	2/25/2003	6	Chloromethane	74873	357.00	J3	3.4E-08	1.7E-04
GMP23	GMP23002	2/25/2003	6	cis-1,2-Dichloroethene	156592	11.97	J3	NA	3.3E-05
GMP23	GMP23002	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP23	GMP23002	2/25/2003	6	Cyclohexane	110827	418.80	J3		
GMP23	GMP23002	2/25/2003	6	Dibromochloromethane	124481	12.11	U		
GMP23	GMP23002	2/25/2003	6	Dichlorodifluoromethane	75718	18.11	U2J3		
GMP23	GMP23002	2/25/2003	6	Ethanol	64175	11.84	U2J3		
GMP23	GMP23002	2/25/2003	6	Ethylbenzene	100414	171.60	J03	6.5E-09	1.6E-05
GMP23	GMP23002	2/25/2003	6	Heptane	142825	748.80	J3		
GMP23	GMP23002	2/25/2003	6	Hexachlorobutadiene	87683	15.19	UJ0		
GMP23	GMP23002	2/25/2003	6	Hexane	110543	571.20	J3	NA	6.1E-04
GMP23	GMP23002	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP23	GMP23002	2/25/2003	6	m,p-xylenes	106423	748.00	J30	NA	7.2E-04
GMP23	GMP23002	2/25/2003	6	Methylene chloride	75092	22.24	U4J3		
GMP23	GMP23002	2/25/2003	6	o-xylene	95476	528.00	J03	NA	5.9E-04
GMP23	GMP23002	2/25/2003	6	Propylene	115071	6,125.00			
GMP23	GMP23002	2/25/2003	6	Styrene	100425	6.05	UJ0		
GMP23	GMP23002	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP23	GMP23002	2/25/2003	6	Tetrachloroethene	127184	15.18	J3	3.0E-09	2.4E-06
GMP23	GMP23002	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23002	2/25/2003	6	Toluene	108883	49.79	J3	NA	1.4E-05
GMP23	GMP23002	2/25/2003	6	trans-1,2-Dichloroethene	156605	5.59	U		
GMP23	GMP23002	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP23	GMP23002	2/25/2003	6	Trichloroethene	79016	11.06	J3	4.4E-08	3.2E-05
GMP23	GMP23002	2/25/2003	6	Trichlorofluoromethane	75694	7.98	U		
GMP23	GMP23002	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP23	GMP23002	2/25/2003	6	Vinyl chloride	75014	2.60	J3	9.5E-09	3.4E-06
						GMP23 Total Risk:		**2.4E-07**	**1.7E-02**
GMP24	GMP24001	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP24	GMP24001	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	UJ0		
GMP24	GMP24001	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP24	GMP24001	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP24	GMP24001	2/25/2003	6	1,1-Dichloroethane	75343	70.04	J3	3.9E-09	1.4E-05
GMP24	GMP24001	2/25/2003	6	1,1-Dichloroethene	75354	2.86	J3	NA	1.6E-06
GMP24	GMP24001	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	UJ0		
GMP24	GMP24001	2/25/2003	6	1,2,4-Trimethylbenzene	95636	698.60	J03	NA	9.3E-03
GMP24	GMP24001	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP24	GMP24001	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	92.43	J3		
GMP24	GMP24001	2/25/2003	6	1,2-Dichlorobenzene	95501	8.55	UJ0		
GMP24	GMP24001	2/25/2003	6	1,2-Dichloroethane	107062	5.77	U		
GMP24	GMP24001	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP24	GMP24001	2/25/2003	6	1,3,5-Trimethylbenzene	108678	998.00	J03	NA	1.4E-02
GMP24	GMP24001	2/25/2003	6	1,3-Butadiene	106990	3.14	U		
GMP24	GMP24001	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	UJ0		
GMP24	GMP24001	2/25/2003	6	1,4-Dichlorobenzene	106467	22.61	J03	8.3E-09	1.9E-05
GMP24	GMP24001	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP24	GMP24001	2/25/2003	6	2-Butanone	78933	59.80	U2J3		
GMP24	GMP24001	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP24	GMP24001	2/25/2003	6	4-Ethyltoluene	622968	101.43	J03		
GMP24	GMP24001	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP24	GMP24001	2/25/2003	6	Acetone	67641	175.93	U2J3		
GMP24	GMP24001	2/25/2003	6	Benzene	71432	191.75	J3	2.2E-07	3.6E-03
GMP24	GMP24001	2/25/2003	6	Benzyl chloride	100447	7.39	UJ0		
GMP24	GMP24001	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP24	GMP24001	2/25/2003	6	Bromoform	75252	14.70	UJ0		
GMP24	GMP24001	2/25/2003	6	Bromomethane	74839	5.53	U		
GMP24	GMP24001	2/25/2003	6	Carbon disulfide	75150	66.36	J3	NA	1.2E-05
GMP24	GMP24001	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP24	GMP24001	2/25/2003	6	Chlorobenzene	108907	6.58	UJ0		
GMP24	GMP24001	2/25/2003	6	Chloroethane	75003	294.80	J3	NA	4.8E-04
GMP24	GMP24001	2/25/2003	6	Chloroform	67663	6.93	U		
GMP24	GMP24001	2/25/2003	6	Chloromethane	74873	50.40	J3	4.8E-09	2.5E-05
GMP24	GMP24001	2/25/2003	6	cis-1,2-Dichloroethene	156592	55.86	J3	NA	1.6E-04
GMP24	GMP24001	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP24	GMP24001	2/25/2003	6	Cyclohexane	110827	872.50	J3		
GMP24	GMP24001	2/25/2003	6	Dibromochloromethane	124481	12.11	U		
GMP24	GMP24001	2/25/2003	6	Dichlorodifluoromethane	75718	120.72	J3	NA	5.2E-05
GMP24	GMP24001	2/25/2003	6	Ethanol	64175	2.67	U		
GMP24	GMP24001	2/25/2003	6	Ethylbenzene	100414	145.20	J03	5.5E-09	1.4E-05
GMP24	GMP24001	2/25/2003	6	Heptane	142825	624.00	J3		
GMP24	GMP24001	2/25/2003	6	Hexachlorobutadiene	87683	15.19	UJ0		
GMP24	GMP24001	2/25/2003	6	Hexane	110543	963.90	J3	NA	1.1E-03
GMP24	GMP24001	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP24	GMP24001	2/25/2003	6	m,p-xylenes	106423	1,452.00	J03	NA	1.4E-03
GMP24	GMP24001	2/25/2003	6	Methylene chloride	75092	14.12	U4J3		
GMP24	GMP24001	2/25/2003	6	o-xylene	95476	1,012.00	J03	NA	1.1E-03
GMP24	GMP24001	2/25/2003	6	Propylene	115071	6,125.00			
GMP24	GMP24001	2/25/2003	6	Styrene	100425	56.16	J03	NA	5.3E-06
GMP24	GMP24001	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP24	GMP24001	2/25/2003	6	Tetrachloroethene	127184	22.08	J3	4.3E-09	3.4E-06
GMP24	GMP24001	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		
GMP24	GMP24001	2/25/2003	6	Toluene	108883	57.45	J3	NA	1.6E-05
GMP24	GMP24001	2/25/2003	6	trans-1,2-Dichloroethene	156605	6.38	J3	NA	8.6E-06
GMP24	GMP24001	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP24	GMP24001	2/25/2003	6	Trichloroethene	79016	23.23	J3	9.5E-08	6.7E-05
GMP24	GMP24001	2/25/2003	6	Trichlorofluoromethane	75694	15.96	U2J3		
GMP24	GMP24001	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP24	GMP24001	2/25/2003	6	Vinyl chloride	75014	16.90	J3	6.0E-08	2.2E-05
						GMP24 Total Risk:		**4.0E-07**	**3.1E-02**
GMP25	GMP25001	2/25/2003	6.5	1,1,1-Trichloroethane	71556	7.74	U		
GMP25	GMP25001	2/25/2003	6.5	1,1,2,2-Tetrachloroethane	79345	9.77	U		
GMP25	GMP25001	2/25/2003	6.5	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP25	GMP25001	2/25/2003	6.5	1,1,2-Trichloroethane	79005	7.74	U		
GMP25	GMP25001	2/25/2003	6.5	1,1-Dichloroethane	75343	53.56	J3	2.7E-09	9.3E-06
GMP25	GMP25001	2/25/2003	6.5	1,1-Dichloroethene	75354	5.64	U		
GMP25	GMP25001	2/25/2003	6.5	1,2,4-Trichlorobenzene	120821	10.53	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP25	GMP25001	2/25/2003	6.5	1,2,4-Trimethylbenzene	95636	5.49	J3	NA	6.9E-05
GMP25	GMP25001	2/25/2003	6.5	1,2-Dibromoethane	106934	10.95	U		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	213.30	J3		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichlorobenzene	95501	8.55	U		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichloroethane	107062	5.77	U		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichloropropane	78875	6.58	U		
GMP25	GMP25001	2/25/2003	6.5	1,3,5-Trimethylbenzene	108678	6.99	U		
GMP25	GMP25001	2/25/2003	6.5	1,3-Butadiene	106990	3.14	U		
GMP25	GMP25001	2/25/2003	6.5	1,3-Dichlorobenzene	541731	8.55	U		
GMP25	GMP25001	2/25/2003	6.5	1,4-Dichlorobenzene	106467	7.94	J3	2.7E-09	6.1E-06
GMP25	GMP25001	2/25/2003	6.5	1,4-Dioxane	123911	5.12	U		
GMP25	GMP25001	2/25/2003	6.5	2-Butanone	78933	4.19	U		
GMP25	GMP25001	2/25/2003	6.5	2-Hexanone	591786	5.82	U		
GMP25	GMP25001	2/25/2003	6.5	4-Ethyltoluene	622968	6.17	U		
GMP25	GMP25001	2/25/2003	6.5	4-Methyl-2-pentanone	108101	5.82	U		
GMP25	GMP25001	2/25/2003	6.5	Acetone	67641	3.37	U		
GMP25	GMP25001	2/25/2003	6.5	Benzene	71432	39.00	J3	4.2E-08	6.8E-04
GMP25	GMP25001	2/25/2003	6.5	Benzyl chloride	100447	7.39	U		
GMP25	GMP25001	2/25/2003	6.5	Bromodichloromethane	75274	9.49	U		
GMP25	GMP25001	2/25/2003	6.5	Bromoform	75252	14.70	U		
GMP25	GMP25001	2/25/2003	6.5	Bromomethane	74839	5.53	U		
GMP25	GMP25001	2/25/2003	6.5	Carbon disulfide	75150	8.22	J3	NA	1.4E-06
GMP25	GMP25001	2/25/2003	6.5	Carbon tetrachloride	56235	8.96	U		
GMP25	GMP25001	2/25/2003	6.5	Chlorobenzene	108907	98.70	J3	NA	1.5E-04
GMP25	GMP25001	2/25/2003	6.5	Chloroethane	75003	227.80	J3	NA	3.4E-04
GMP25	GMP25001	2/25/2003	6.5	Chloroform	67663	6.93	U		
GMP25	GMP25001	2/25/2003	6.5	Chloromethane	74873	2.94	U2J3		
GMP25	GMP25001	2/25/2003	6.5	cis-1,2-Dichloroethene	156592	11.17	J3	NA	2.9E-05
GMP25	GMP25001	2/25/2003	6.5	cis-1,3-Dichloropropene	542756	6.45	U		
GMP25	GMP25001	2/25/2003	6.5	Cyclohexane	110827	153.56	J3		
GMP25	GMP25001	2/25/2003	6.5	Dibromochloromethane	124481	12.11	U		
GMP25	GMP25001	2/25/2003	6.5	Dichlorodifluoromethane	75718	47.79	J3	NA	1.9E-05
GMP25	GMP25001	2/25/2003	6.5	Ethanol	64175	2.67	U		
GMP25	GMP25001	2/25/2003	6.5	Ethylbenzene	100414	6.16	U		
GMP25	GMP25001	2/25/2003	6.5	Heptane	142825	5.82	U		
GMP25	GMP25001	2/25/2003	6.5	Hexachlorobutadiene	87683	15.19	U		
GMP25	GMP25001	2/25/2003	6.5	Hexane	110543	26.06	U2J3		
GMP25	GMP25001	2/25/2003	6.5	Isopropyl alcohol	67630	3.49	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, Californ

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP25	GMP25001	2/25/2003	6.5	m,p-xylenes	106423	8.80	J3	NA	7.9E-06
GMP25	GMP25001	2/25/2003	6.5	Methylene chloride	75092	27.89	U4J3		
GMP25	GMP25001	2/25/2003	6.5	o-xylene	95476	9.68	J3	NA	1.0E-05
GMP25	GMP25001	2/25/2003	6.5	Propylene	115071	262.50	J3		
GMP25	GMP25001	2/25/2003	6.5	Styrene	100425	6.05	U		
GMP25	GMP25001	2/25/2003	6.5	Tert-butyl methyl ether	1634044	5.12	U		
GMP25	GMP25001	2/25/2003	6.5	Tetrachloroethene	127184	11.73	J3	2.1E-09	1.7E-06
GMP25	GMP25001	2/25/2003	6.5	Tetrahydrofuran	109999	4.19	U		
GMP25	GMP25001	2/25/2003	6.5	Toluene	108883	5.36	U		
GMP25	GMP25001	2/25/2003	6.5	trans-1,2-Dichloroethene	156605	5.59	U		
GMP25	GMP25001	2/25/2003	6.5	trans-1,3-Dichloropropene		6.45	U		
GMP25	GMP25001	2/25/2003	6.5	Trichloroethene	79016	8.30	J3	3.1E-08	2.2E-05
GMP25	GMP25001	2/25/2003	6.5	Trichlorofluoromethane	75694	7.98	U		
GMP25	GMP25001	2/25/2003	6.5	Vinyl acetate	108054	5.00	U		
GMP25	GMP25001	2/25/2003	6.5	Vinyl chloride	75014	1.92	J3	6.5E-09	2.4E-06
						GMP25 Total Risk:		**8.7E-08**	**1.4E-03**
GMP26	GMP26001	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP26	GMP26001	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	U		
GMP26	GMP26001	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP26	GMP26001	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP26	GMP26001	2/25/2003	6	1,1-Dichloroethane	75343	5.77	U		
GMP26	GMP26001	2/25/2003	6	1,1-Dichloroethene	75354	5.64	U		
GMP26	GMP26001	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	U		
GMP26	GMP26001	2/25/2003	6	1,2,4-Trimethylbenzene	95636	6.99	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	24.89			
GMP26	GMP26001	2/25/2003	6	1,2-Dichlorobenzene	95501	8.55	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dichloroethane	107062	5.77	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP26	GMP26001	2/25/2003	6	1,3,5-Trimethylbenzene	108678	6.99	U		
GMP26	GMP26001	2/25/2003	6	1,3-Butadiene	106990	3.14	U		
GMP26	GMP26001	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	U		
GMP26	GMP26001	2/25/2003	6	1,4-Dichlorobenzene	106467	8.55	U		
GMP26	GMP26002	2/25/2003	6	1,4-Dichlorobenzene	106467	8.55	U		
GMP26	GMP26001	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP26	GMP26001	2/25/2003	6	2-Butanone	78933	4.19	U		
GMP26	GMP26001	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP26	GMP26001	2/25/2003	6	4-Ethyltoluene	622968	6.17	U		

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

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Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26001	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP26	GMP26001	2/25/2003	6	Acetone	67641	3.37	U		
GMP26	GMP26001	2/25/2003	6	Benzene	71432	4.55	U		
GMP26	GMP26001	2/25/2003	6	Benzyl chloride	100447	7.39	U		
GMP26	GMP26001	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP26	GMP26001	2/25/2003	6	Bromoform	75252	14.70	U		
GMP26	GMP26001	2/25/2003	6	Bromomethane	74839	5.53	U		
GMP26	GMP26001	2/25/2003	6	Carbon disulfide	75150	4.42	U		
GMP26	GMP26001	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		
GMP26	GMP26001	2/25/2003	6	Chlorobenzene	108907	6.58	U		
GMP26	GMP26001	2/25/2003	6	Chloroethane	75003	3.75	U		
GMP26	GMP26001	2/25/2003	6	Chloroform	67663	17.82		4.3E-09	7.9E-04
GMP26	GMP26001	2/25/2003	6	Chloromethane	74873	2.94	U		
GMP26	GMP26001	2/25/2003	6	cis-1,2-Dichloroethene	156592	5.59	U		
GMP26	GMP26001	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP26	GMP26001	2/25/2003	6	Cyclohexane	110827	4.89	U		
GMP26	GMP26001	2/25/2003	6	Dibromochloromethane	124481	12.11	U		
GMP26	GMP26001	2/25/2003	6	Dichlorodifluoromethane	75718	8.55	U2		
GMP26	GMP26001	2/25/2003	6	Ethanol	64175	2.67	U		
GMP26	GMP26001	2/25/2003	6	Ethylbenzene	100414	6.16	U		
GMP26	GMP26001	2/25/2003	6	Heptane	142825	5.82	U		
GMP26	GMP26001	2/25/2003	6	Hexachlorobutadiene	87683	15.19	U		
GMP26	GMP26001	2/25/2003	6	Hexane	110543	5.00	U		
GMP26	GMP26001	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP26	GMP26001	2/25/2003	6	m,p-Xylenes	106423	6.16	U		
GMP26	GMP26001	2/25/2003	6	Methylene chloride	75092	6.71	U4		
GMP26	GMP26001	2/25/2003	6	o-Xylene	95476	6.16	U		
GMP26	GMP26001	2/25/2003	6	Propylene	115071	2.45	U2		
GMP26	GMP26001	2/25/2003	6	Styrene	100425	6.05	U		
GMP26	GMP26001	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP26	GMP26001	2/25/2003	6	Tetrachloroethene	127184	9.66	U		
GMP26	GMP26001	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		
GMP26	GMP26001	2/25/2003	6	Toluene	108883	5.36	U		
GMP26	GMP26001	2/25/2003	6	trans-1,2-Dichloroethene	156605	5.59	U		
GMP26	GMP26001	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP26	GMP26001	2/25/2003	6	Trichloroethene	79016	7.74	U	1.5E-08	1.1E-05

ATTACHMENT G-1: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

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Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26001	2/25/2003	6	Trichlorofluoromethane	75694	7.98	U		
GMP26	GMP26001	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP26	GMP26001	2/25/2003	6	Vinyl chloride	75014	3.64	U		
						GMP26 Total Risk:		**2.0E-08**	**8.0E-04**

Notes:

$\mu g/m^3$	Micrograms per cubic meter
J	Estimated value
JEM	Johnson-Ettinger Model
NA	Not analyzed
U	Not detected

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22005	5/27/2003	6	1,1,1-Trichloroethane	71556	19	U		
GMP22	GMP22005	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	24	U		
GMP22	GMP22005	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	27	U		
GMP22	GMP22005	5/27/2003	6	1,1,2-Trichloroethane	79005	19	U		
GMP22	GMP22005	5/27/2003	6	1,1-Dichloroethane	75343	14	U		
GMP22	GMP22005	5/27/2003	6	1,1-Dichloroethene	75354	14	U		
GMP22	GMP22005	5/27/2003	6	1,2,4-Trichlorobenzene	120821	26	U		
GMP22	GMP22005	5/27/2003	6	1,2,4-Trimethylbenzene	95636	80	J3	NA	1.1E-03
GMP22	GMP22005	5/27/2003	6	1,2-Dibromoethane	106934	27	U		
GMP22	GMP22005	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	31	J3		
GMP22	GMP22005	5/27/2003	6	1,2-Dichlorobenzene	95501	21	U		
GMP22	GMP22005	5/27/2003	6	1,2-Dichloroethane	107062	14	U		
GMP22	GMP22005	5/27/2003	6	1,2-Dichloropropane	78875	16	U		
GMP22	GMP22005	5/27/2003	6	1,3,5-Trimethylbenzene	108678	17	U		
GMP22	GMP22005	5/27/2003	6	1,3-Butadiene	106990	8	U		
GMP22	GMP22005	5/27/2003	6	1,3-Dichlorobenzene	541731	21	U		
GMP22	GMP22005	5/27/2003	6	1,4-Dichlorobenzene	106467	21	U		
GMP22	GMP22005	5/27/2003	6	1,4-Dioxane	123911	13	U		
GMP22	GMP22005	5/27/2003	6	2-Butanone	78933	10	U		
GMP22	GMP22005	5/27/2003	6	2-Hexanone	591786	15	U		
GMP22	GMP22005	5/27/2003	6	4-Ethyltoluene	622968	15	U		
GMP22	GMP22005	5/27/2003	6	4-Methyl-2-pentanone	108101	15	U		
GMP22	GMP22005	5/27/2003	6	Acetone	67641	8	U		
GMP22	GMP22005	5/27/2003	6	Benzene	71432	28	J3	3.3E-08	5.2E-04
GMP22	GMP22005	5/27/2003	6	Benzyl chloride	100447	18	U		
GMP22	GMP22005	5/27/2003	6	Bromodichloromethane	75274	24	U		
GMP22	GMP22005	5/27/2003	6	Bromoform	75252	37	U		
GMP22	GMP22005	5/27/2003	6	Bromomethane	74839	14	U		
GMP22	GMP22005	5/27/2003	6	Carbon disulfide	75150	11	U		
GMP22	GMP22005	5/27/2003	6	Carbon tetrachloride	56235	22	U		
GMP22	GMP22005	5/27/2003	6	Chlorobenzene	108907	16	U		
GMP22	GMP22005	5/27/2003	6	Chloroethane	75003	9	U		
GMP22	GMP22005	5/27/2003	6	Chloroform	67663	17	U	2.0E-09	3.6E-04
GMP22	GMP22005	5/27/2003	6	Chloromethane	74873	7	U		
GMP22	GMP22005	5/27/2003	6	cis-1,2-Dichloroethene	156592	14	U		
GMP22	GMP22005	5/27/2003	6	cis-1,3-Dichloropropene	542756	16	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22005	5/27/2003	6	Cyclohexane	110827	730	J3		
GMP22	GMP22005	5/27/2003	6	Dibromochloromethane	124481	30	U		
GMP22	GMP22005	5/27/2003	6	Dichlorodifluoromethane	75718	21	J3	NA	9.3E-06
GMP22	GMP22005	5/27/2003	6	Ethanol	64175	7	U		
GMP22	GMP22005	5/27/2003	6	Ethylbenzene	100414	15	U		
GMP22	GMP22005	5/27/2003	6	Heptane	142825	310	J3		
GMP22	GMP22005	5/27/2003	6	Hexachlorobutadiene	87683	38	U		
GMP22	GMP22005	5/27/2003	6	Hexane	110543	430	J3	NA	4.6E-04
GMP22	GMP22005	5/27/2003	6	Isopropyl alcohol	67630	9	U		
GMP22	GMP22005	5/27/2003	6	m,p-xylenes	106423	290	J3	NA	2.9E-04
GMP22	GMP22005	5/27/2003	6	Methylene chloride	75092	12	U		
GMP22	GMP22005	5/27/2003	6	o-xylene	95476	210	U		
GMP22	GMP22005	5/27/2003	6	Propylene	95476	1,400	J3		
GMP22	GMP22005	5/27/2003	6	Styrene	100425	15	J3	NA	1.4E-06
GMP22	GMP22005	5/27/2003	6	Tert-butyl methyl ether	1634044	13	U		
GMP22	GMP22005	5/27/2003	6	Tetrachloroethene	127184	24	U		
GMP22	GMP22005	5/27/2003	6	Tetrahydrofuran	109999	10	U		
GMP22	GMP22005	5/27/2003	6	Toluene	108883	13	U		
GMP22	GMP22005	5/27/2003	6	trans-1,2-Dichloroethene	156605	14	U		
GMP22	GMP22005	5/27/2003	6	trans-1,3-Dichloropropene	542756	16	U		
GMP22	GMP22005	5/27/2003	6	Trichloroethene	79016	19	U		
GMP22	GMP22005	5/27/2003	6	Trichlorofluoromethane	75694	20	U		
GMP22	GMP22005	5/27/2003	6	Vinyl acetate	108054	12	U		
GMP22	GMP22005	5/27/2003	6	Vinyl chloride	75014	9	U		
						GMP22 Total Risk:		**3.5E-08**	**2.7E-03**
GMP23	GMP23003	5/27/2003	6	1,1,1-Trichloroethane	71556	77	U		
GMP23	GMP23003	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	98	U		
GMP23	GMP23003	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	110	U		
GMP23	GMP23003	5/27/2003	6	1,1,2-Trichloroethane	79005	77	U		
GMP23	GMP23003	5/27/2003	6	1,1-Dichloroethane	75343	58	U		
GMP23	GMP23003	5/27/2003	6	1,1-Dichloroethene	75354	56	U		
GMP23	GMP23003	5/27/2003	6	1,2,4-Trichlorobenzene	120821	110	U		
GMP23	GMP23003	5/27/2003	6	1,2,4-Trimethylbenzene	95636	130		NA	1.8E-03
GMP23	GMP23003	5/27/2003	6	1,2-Dibromoethane	106934	110	U		
GMP23	GMP23003	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	100	U		
GMP23	GMP23003	5/27/2003	6	1,2-Dichlorobenzene	95501	86	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23003	5/27/2003	6	1,2-Dichloroethane	107062	58	U		
GMP23	GMP23003	5/27/2003	6	1,2-Dichloropropane	78875	66	U		
GMP23	GMP23003	5/27/2003	6	1,3,5-Trimethylbenzene	108678	200			
GMP23	GMP23003	5/27/2003	6	1,3-Butadiene	106990	31	U		
GMP23	GMP23003	5/27/2003	6	1,3-Dichlorobenzene	541731	86	U		
GMP23	GMP23003	5/27/2003	6	1,4-Dichlorobenzene	106467	86	U		
GMP23	GMP23003	5/27/2003	6	1,4-Dioxane	123911	51	U		
GMP23	GMP23003	5/27/2003	6	2-Butanone	78933	42	U		
GMP23	GMP23003	5/27/2003	6	2-Hexanone	591786	58	U		
GMP23	GMP23003	5/27/2003	6	4-Ethyltoluene	622968	62	U		
GMP23	GMP23003	5/27/2003	6	4-Methyl-2-pentanone	108101	58	U		
GMP23	GMP23003	5/27/2003	6	Acetone	67641	34	U		
GMP23	GMP23003	5/27/2003	6	Benzene	71432	85		1.0E-07	1.6E-03
GMP23	GMP23003	5/27/2003	6	Benzyl chloride	100447	74	U		
GMP23	GMP23003	5/27/2003	6	Bromodichloromethane	75274	95	U		
GMP23	GMP23003	5/27/2003	6	Bromoform	75252	150	U		
GMP23	GMP23003	5/27/2003	6	Bromomethane	74839	55	U		
GMP23	GMP23003	5/27/2003	6	Carbon disulfide	75150	150		NA	2.7E-05
GMP23	GMP23003	5/27/2003	6	Carbon tetrachloride	56235	90	U		
GMP23	GMP23003	5/27/2003	6	Chlorobenzene	108907	180		NA	2.9E-04
GMP23	GMP23003	5/27/2003	6	Chloroethane	75003	38	U		
GMP23	GMP23003	5/27/2003	6	Chloroform	67663	69	U	8.3E-09	1.4E-03
GMP23	GMP23003	5/27/2003	6	Chloromethane	74873	65		6.0E-09	3.2E-05
GMP23	GMP23003	5/27/2003	6	cis-1,2-Dichloroethene	156592	56	U		
GMP23	GMP23003	5/27/2003	6	cis-1,3-Dichloropropene	542756	65	U		
GMP23	GMP23003	5/27/2003	6	Cyclohexane	110827	320			
GMP23	GMP23003	5/27/2003	6	Dibromochloromethane	124481	120	U		
GMP23	GMP23003	5/27/2003	6	Dichlorodifluoromethane	75718	70	U		
GMP23	GMP23003	5/27/2003	6	Ethanol	64175	27	U		
GMP23	GMP23003	5/27/2003	6	Ethylbenzene	100414	62	U		
GMP23	GMP23003	5/27/2003	6	Heptane	142825	580			
GMP23	GMP23003	5/27/2003	6	Hexachlorobutadiene	87683	150	U		
GMP23	GMP23003	5/27/2003	6	Hexane	110543	540		NA	5.8E-04
GMP23	GMP23003	5/27/2003	6	Isopropyl alcohol	67630	35	U		
GMP23	GMP23003	5/27/2003	6	m,p-xylenes	106423	260		NA	2.6E-04
GMP23	GMP23003	5/27/2003	6	Methylene chloride	75092	49	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23003	5/27/2003	6	o-xylene	95476	170	U		
GMP23	GMP23003	5/27/2003	6	Propylene	95476	8,800			
GMP23	GMP23003	5/27/2003	6	Styrene	100425	60		NA	5.6E-06
GMP23	GMP23003	5/27/2003	6	Tert-butyl methyl ether	1634044	51	U		
GMP23	GMP23003	5/27/2003	6	Tetrachloroethene	127184	97	U	9.5E-09	7.9E-06
GMP23	GMP23003	5/27/2003	6	Tetrahydrofuran	109999	42	U		
GMP23	GMP23003	5/27/2003	6	Toluene	108883	54	U		
GMP23	GMP23003	5/27/2003	6	trans-1,2-Dichloroethene	156605	56	U		
GMP23	GMP23003	5/27/2003	6	trans-1,3-Dichloropropene	542756	65	U	3.8E-09	1.4E-04
GMP23	GMP23003	5/27/2003	6	Trichloroethene	79016	77	U		
GMP23	GMP23003	5/27/2003	6	Trichlorofluoromethane	75694	80	U		
GMP23	GMP23003	5/27/2003	6	Vinyl acetate	108054	50	U		
GMP23	GMP23003	5/27/2003	6	Vinyl chloride	75014	36	U	6.5E-08	2.4E-05
						GMP23 Total Risk:		**1.9E-07**	**6.2E-03**
GMP24	GMP24002	5/27/2003	6	1,1,1-Trichloroethane	71556	77	U		
GMP24	GMP24002	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	98	U		
GMP24	GMP24002	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	110	U		
GMP24	GMP24002	5/27/2003	6	1,1,2-Trichloroethane	79005	77	U		
GMP24	GMP24002	5/27/2003	6	1,1-Dichloroethane	75343	58	U		
GMP24	GMP24002	5/27/2003	6	1,1-Dichloroethene	75354	56	U		
GMP24	GMP24002	5/27/2003	6	1,2,4-Trichlorobenzene	120821	110	U		
GMP24	GMP24002	5/27/2003	6	1,2,4-Trimethylbenzene	95636	260		NA	3.6E-03
GMP24	GMP24002	5/27/2003	6	1,2-Dibromoethane	106934	110	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	100	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichlorobenzene	95501	86	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichloroethane	107062	58	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichloropropane	78875	66	U		
GMP24	GMP24002	5/27/2003	6	1,3,5-Trimethylbenzene	108678	290			
GMP24	GMP24002	5/27/2003	6	1,3-Butadiene	106990	31	U		
GMP24	GMP24002	5/27/2003	6	1,3-Dichlorobenzene	541731	86	U		
GMP24	GMP24002	5/27/2003	6	1,4-Dichlorobenzene	106467	86	U		
GMP24	GMP24002	5/27/2003	6	1,4-Dioxane	123911	51	U		
GMP24	GMP24002	5/27/2003	6	2-Butanone	78933	100	U4		
GMP24	GMP24002	5/27/2003	6	2-Hexanone	591786	58	U		
GMP24	GMP24002	5/27/2003	6	4-Ethyltoluene	622968	62	U		
GMP24	GMP24002	5/27/2003	6	4-Methyl-2-pentanone	108101	58	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

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Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP24	GMP24002	5/27/2003	6	Acetone	67641	2,900		NA	2.4E-03
GMP24	GMP24002	5/27/2003	6	Benzene	71432	52		6.0E-08	1.0E-03
GMP24	GMP24002	5/27/2003	6	Benzyl chloride	100447	74	U		
GMP24	GMP24002	5/27/2003	6	Bromodichloromethane	75274	95	U		
GMP24	GMP24002	5/27/2003	6	Bromoform	75252	150	U		
GMP24	GMP24002	5/27/2003	6	Bromomethane	74839	55	U		
GMP24	GMP24002	5/27/2003	6	Carbon disulfide	75150	1,400		NA	2.6E-04
GMP24	GMP24002	5/27/2003	6	Carbon tetrachloride	56235	90	U		
GMP24	GMP24002	5/27/2003	6	Chlorobenzene	108907	66	U		
GMP24	GMP24002	5/27/2003	6	Chloroethane	75003	46		NA	7.2E-05
GMP24	GMP24002	5/27/2003	6	Chloroform	67663	69	U	8.3E-09	1.4E-03
GMP24	GMP24002	5/27/2003	6	Chloromethane	74873	250		2.4E-08	1.2E-04
GMP24	GMP24002	5/27/2003	6	cis-1,2-Dichloroethene	156592	56	U		
GMP24	GMP24002	5/27/2003	6	cis-1,3-Dichloropropene	542756	65	U	3.8E-09	1.4E-04
GMP24	GMP24002	5/27/2003	6	Cyclohexane	110827	230			
GMP24	GMP24002	5/27/2003	6	Dibromochloromethane	124481	120	U		
GMP24	GMP24002	5/27/2003	6	Dichlorodifluoromethane	75718	70	U		
GMP24	GMP24002	5/27/2003	6	Ethanol	64175	27	U		
GMP24	GMP24002	5/27/2003	6	Ethylbenzene	100414	62	U		
GMP24	GMP24002	5/27/2003	6	Heptane	142825	190			
GMP24	GMP24002	5/27/2003	6	Hexachlorobutadiene	87683	150	U		
GMP24	GMP24002	5/27/2003	6	Hexane	110543	390		NA	4.2E-04
GMP24	GMP24002	5/27/2003	6	Isopropyl alcohol	67630	35	U		
GMP24	GMP24002	5/27/2003	6	m,p-xylenes	106423	290		NA	2.9E-04
GMP24	GMP24002	5/27/2003	6	Methylene chloride	75092	49	U		
GMP24	GMP24002	5/27/2003	6	o-xylene	95476	240	U		
GMP24	GMP24002	5/27/2003	6	Propylene	95476	8,100			
GMP24	GMP24002	5/27/2003	6	Styrene	100425	60		NA	5.6E-06
GMP24	GMP24002	5/27/2003	6	Tert-butyl methyl ether	1634044	51	U		
GMP24	GMP24002	5/27/2003	6	Tetrachloroethene	127184	97	U	9.5E-09	7.9E-06
GMP24	GMP24002	5/27/2003	6	Tetrahydrofuran	109999	42	U		
GMP24	GMP24002	5/27/2003	6	Toluene	108883	54	U		
GMP24	GMP24002	5/27/2003	6	trans-1,2-Dichloroethene	156605	56	U		
GMP24	GMP24002	5/27/2003	6	trans-1,3-Dichloropropene	542756	65	U	3.8E-09	1.4E-04
GMP24	GMP24002	5/27/2003	6	Trichloroethene	79016	77	U		
GMP24	GMP24002	5/27/2003	6	Trichlorofluoromethane	75694	80	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

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Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP24	GMP24002	5/27/2003	6	Vinyl acetate	108054	50	U		
GMP24	GMP24002	5/27/2003	6	Vinyl chloride	75014	36	U	6.5E-08	2.4E-05
						GMP24 Total Risk:		**1.7E-07**	**9.8E-03**
GMP25	GMP25002	5/27/2003	6.5	1,1,1-Trichloroethane	71556	39	U		
GMP25	GMP25002	5/27/2003	6.5	1,1,2,2-Tetrachloroethane	79345	49	U		
GMP25	GMP25002	5/27/2003	6.5	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	54	U		
GMP25	GMP25002	5/27/2003	6.5	1,1,2-Trichloroethane	79005	39	U		
GMP25	GMP25002	5/27/2003	6.5	1,1-Dichloroethane	75343	45		2.5E-09	8.6E-06
GMP25	GMP25002	5/27/2003	6.5	1,1-Dichloroethene	75354	28	U		
GMP25	GMP25002	5/27/2003	6.5	1,2,4-Trichlorobenzene	120821	53	U		
GMP25	GMP25002	5/27/2003	6.5	1,2,4-Trimethylbenzene	95636	35	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dibromoethane	106934	55	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	85			
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichlorobenzene	95501	43	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichloroethane	107062	29	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichloropropane	78875	33	U		
GMP25	GMP25002	5/27/2003	6.5	1,3,5-Trimethylbenzene	108678	35	U		
GMP25	GMP25002	5/27/2003	6.5	1,3-Butadiene	106990	16	U		
GMP25	GMP25002	5/27/2003	6.5	1,3-Dichlorobenzene	541731	43	U		
GMP25	GMP25002	5/27/2003	6.5	1,4-Dichlorobenzene	106467	43	U		
GMP25	GMP25002	5/27/2003	6.5	1,4-Dioxane	123911	26	U		
GMP25	GMP25002	5/27/2003	6.5	2-Butanone	78933	21	U		
GMP25	GMP25002	5/27/2003	6.5	2-Hexanone	591786	29	U		
GMP25	GMP25002	5/27/2003	6.5	4-Ethyltoluene	622968	31	U		
GMP25	GMP25002	5/27/2003	6.5	4-Methyl-2-pentanone	108101	29	U		
GMP25	GMP25002	5/27/2003	6.5	Acetone	67641	17	U		
GMP25	GMP25002	5/27/2003	6.5	Benzene	71432	42		4.5E-08	7.2E-04
GMP25	GMP25002	5/27/2003	6.5	Benzyl chloride	100447	37	U		
GMP25	GMP25002	5/27/2003	6.5	Bromodichloromethane	75274	47	U		
GMP25	GMP25002	5/27/2003	6.5	Bromoform	75252	74	U		
GMP25	GMP25002	5/27/2003	6.5	Bromomethane	74839	28	U		
GMP25	GMP25002	5/27/2003	6.5	Carbon disulfide	75150	22	U		
GMP25	GMP25002	5/27/2003	6.5	Carbon tetrachloride	56235	45	U		
GMP25	GMP25002	5/27/2003	6.5	Chloroform	67663	35	U	4.0E-09	7.0E-04
GMP25	GMP25002	5/27/2003	6.5	Chloromethane	74873	15	U		
GMP25	GMP25002	5/27/2003	6.5	cis-1,2-Dichloroethene	156592	28	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP25	GMP25002	5/27/2003	6.5	cis-1,3-Dichloropropene	542756	32	U		
GMP25	GMP25002	5/27/2003	6.5	Cyclohexane	110827	66	U2		
GMP25	GMP25002	5/27/2003	6.5	Dibromochloromethane	124481	61	U		
GMP25	GMP25002	5/27/2003	6.5	Ethanol	64175	13	U		
GMP25	GMP25002	5/27/2003	6.5	Ethylbenzene	100414	31	U		
GMP25	GMP25002	5/27/2003	6.5	Heptane	142825	29	U		
GMP25	GMP25002	5/27/2003	6.5	Hexachlorobutadiene	87683	76	U		
GMP25	GMP25002	5/27/2003	6.5	Hexane	110543	25	U		
GMP25	GMP25002	5/27/2003	6.5	Isopropyl alcohol	67630	17	U		
GMP25	GMP25002	5/27/2003	6.5	m,p-xylenes	106423	31	U		
GMP25	GMP25002	5/27/2003	6.5	Methylene chloride	75092	25	U		
GMP25	GMP25002	5/27/2003	6.5	o-xylene	95476	31	U		
GMP25	GMP25002	5/27/2003	6.5	Propylene	95476	12	U		
GMP25	GMP25002	5/27/2003	6.5	Styrene	100425	30	U		
GMP25	GMP25002	5/27/2003	6.5	Tert-butyl methyl ether	1634044	26	U		
GMP25	GMP25002	5/27/2003	6.5	Tetrachloroethene	127184	48	U		
GMP25	GMP25002	5/27/2003	6.5	Tetrahydrofuran	109999	21	U		
GMP25	GMP25002	5/27/2003	6.5	Toluene	108883	27	U		
GMP25	GMP25002	5/27/2003	6.5	trans-1,2-Dichloroethene	156605	28	U		
GMP25	GMP25002	5/27/2003	6.5	trans-1,3-Dichloropropene	542756	32	U		
GMP25	GMP25002	5/27/2003	6.5	Trichloroethene	79016	39	U		
GMP25	GMP25002	5/27/2003	6.5	Trichlorofluoromethane	75694	40	U		
GMP25	GMP25002	5/27/2003	6.5	Vinyl acetate	108054	25	U		
GMP25	GMP25002	5/27/2003	6.5	Vinyl chloride	75014	18	U		
GMP25DUP	GMP25003	5/27/2003	6.5	Chlorobenzene	108907	94	J3	NA	1.4E-04
GMP25DUP	GMP25003	5/27/2003	6.5	Chloroethane	75003	230	J3	NA	3.4E-04
GMP25DUP	GMP25003	5/27/2003	6.5	Dichlorodifluoromethane	75718	23	J3	NA	9.3E-06
						GMP25 Total Risk:		**5.2E-08**	**1.9E-03**
GMP26	GMP26003	5/27/2003	6	1,1,1-Trichloroethane	71556	8	U		
GMP26	GMP26003	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	10	U		
GMP26	GMP26003	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	11	U		
GMP26	GMP26003	5/27/2003	6	1,1,2-Trichloroethane	79005	8	U		
GMP26	GMP26003	5/27/2003	6	1,1-Dichloroethane	75343	6	U		
GMP26	GMP26003	5/27/2003	6	1,1-Dichloroethene	75354	6	U		
GMP26	GMP26003	5/27/2003	6	1,2,4-Trichlorobenzene	120821	11	U		
GMP26	GMP26003	5/27/2003	6	1,2,4-Trimethylbenzene	95636	7	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26003	5/27/2003	6	1,2-Dibromoethane	106934	11	U		
GMP26	GMP26003	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	21			
GMP26	GMP26003	5/27/2003	6	1,2-Dichlorobenzene	95501	9	U		
GMP26	GMP26003	5/27/2003	6	1,2-Dichloroethane	107062	6	U		
GMP26	GMP26003	5/27/2003	6	1,2-Dichloropropane	78875	7	U		
GMP26	GMP26003	5/27/2003	6	1,3,5-Trimethylbenzene	108678	7	U		
GMP26	GMP26003	5/27/2003	6	1,3-Butadiene	106990	3	U		
GMP26	GMP26003	5/27/2003	6	1,3-Dichlorobenzene	541731	9	U		
GMP26	GMP26003	5/27/2003	6	1,4-Dichlorobenzene	106467	9	U		
GMP26	GMP26003	5/27/2003	6	1,4-Dioxane	123911	5	U		
GMP26	GMP26003	5/27/2003	6	2-Butanone	78933	4	U		
GMP26	GMP26003	5/27/2003	6	2-Hexanone	591786	6	U		
GMP26	GMP26003	5/27/2003	6	4-Ethyltoluene	622968	6	U		
GMP26	GMP26003	5/27/2003	6	4-Methyl-2-pentanone	108101	6	U		
GMP26	GMP26003	5/27/2003	6	Acetone	67641	3	U		
GMP26	GMP26003	5/27/2003	6	Benzene	71432	5	U		
GMP26	GMP26003	5/27/2003	6	Benzyl chloride	100447	7	U	6.5E-09	3.9E-05
GMP26	GMP26003	5/27/2003	6	Bromodichloromethane	75274	9	U		
GMP26	GMP26003	5/27/2003	6	Bromoform	75252	15	U		
GMP26	GMP26003	5/27/2003	6	Bromomethane	74839	6	U		
GMP26	GMP26003	5/27/2003	6	Carbon disulfide	75150	4	U		
GMP26	GMP26003	5/27/2003	6	Carbon tetrachloride	56235	9	U		
GMP26	GMP26003	5/27/2003	6	Chlorobenzene	108907	7	U		
GMP26	GMP26003	5/27/2003	6	Chloroethane	75003	4	U		
GMP26	GMP26003	5/27/2003	6	Chloroform	67663	19		2.3E-09	4.0E-04
GMP26	GMP26003	5/27/2003	6	Chloromethane	74873	3	U		
GMP26	GMP26003	5/27/2003	6	cis-1,2-Dichloroethene	156592	6	U		
GMP26	GMP26003	5/27/2003	6	cis-1,3-Dichloropropene	542756	6	U		
GMP26	GMP26003	5/27/2003	6	Cyclohexane	110827	5	U		
GMP26	GMP26003	5/27/2003	6	Dibromochloromethane	124481	12	U		
GMP26	GMP26003	5/27/2003	6	Dichlorodifluoromethane	75718	7	U		
GMP26	GMP26003	5/27/2003	6	Ethanol	64175	3	U		
GMP26	GMP26003	5/27/2003	6	Ethylbenzene	100414	6	U		
GMP26	GMP26003	5/27/2003	6	Heptane	142825	6	U		
GMP26	GMP26003	5/27/2003	6	Hexachlorobutadiene	87683	15	U		
GMP26	GMP26003	5/27/2003	6	Hexane	110543	5	U		

ATTACHMENT G-2: MAY 2003 GMP ANALYTICAL RESULTS AND INDUSTRIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point ID No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26003	5/27/2003	6	Isopropyl alcohol	67630	3	U		
GMP26	GMP26003	5/27/2003	6	m,p-xylenes	106423	6	U		
GMP26	GMP26003	5/27/2003	6	Methylene chloride	75092	5	U		
GMP26	GMP26003	5/27/2003	6	o-xylene	95476	6	U		
GMP26	GMP26003	5/27/2003	6	Propylene	95476	2	U		
GMP26	GMP26003	5/27/2003	6	Styrene	100425	6	U		
GMP26	GMP26003	5/27/2003	6	Tert-butyl methyl ether	1634044	5	U		
GMP26	GMP26003	5/27/2003	6	Tetrachloroethene	127184	10	U		
GMP26	GMP26003	5/27/2003	6	Tetrahydrofuran	109999	4	U		
GMP26	GMP26003	5/27/2003	6	Toluene	108883	5	U		
GMP26	GMP26003	5/27/2003	6	trans-1,2-Dichloroethene	156605	6	U		
GMP26	GMP26003	5/27/2003	6	trans-1,3-Dichloropropene	542756	6	U		
GMP26	GMP26003	5/27/2003	6	Trichloroethene	79016	8	U		
GMP26	GMP26003	5/27/2003	6	Trichlorofluoromethane	75694	8	U		
GMP26	GMP26003	5/27/2003	6	Vinyl acetate	108054	5	U		
GMP26	GMP26003	5/27/2003	6	Vinyl chloride	75014	4	U		
						GMP26 Total Risk:		**8.8E-09**	**4.4E-04**

Notes:

µg/m3	Micrograms per cubic meter
GMP	Gas monitoring probe
J	Estimated value
JEM	Johnson-Ettinger Model
NA	Not analyzed
U	Not detected

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22004	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP22	GMP22004	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	UJ0		
GMP22	GMP22004	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP22	GMP22004	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP22	GMP22004	2/25/2003	6	1,1-Dichloroethane	75343	9.48	J3	8.8E-10	2.6E-06
GMP22	GMP22004	2/25/2003	6	1,1-Dichloroethene	75354	5.64	U		
GMP22	GMP22004	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	UJ0		
GMP22	GMP22004	2/25/2003	6	1,2,4-Trimethylbenzene	95636	129.74	J03	NA	2.5E-03
GMP22	GMP22004	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP22	GMP22004	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	66.12	J3		
GMP22	GMP22004	2/25/2003	6	1,2-Dichlorobenzene	95501	20.16	J03	NA	1.3E-05
GMP22	GMP22004	2/25/2003	6	1,2-Dichloroethane	107062	4.53	J3	9.5E-09	1.7E-04
GMP22	GMP22004	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP22	GMP22004	2/25/2003	6	1,3,5-Trimethylbenzene	108678	494.01	J03	NA	9.4E-03
GMP22	GMP22004	2/25/2003	6	1,3-Butadiene	106990	3.14	U		
GMP22	GMP22004	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	UJ0		
GMP22	GMP22004	2/25/2003	6	1,4-Dichlorobenzene	106467	128.31	J03	7.8E-08	1.5E-04
GMP22	GMP22004	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP22	GMP22004	2/25/2003	6	2-Butanone	78933	4.19	U		
GMP22	GMP22004	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP22	GMP22004	2/25/2003	6	4-Ethyltoluene	622968	83.79	J03		
GMP22	GMP22004	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP22	GMP22004	2/25/2003	6	Acetone	67641	15.67	U4J3		
GMP22	GMP22004	2/25/2003	6	Benzene	71432	61.75	J3	1.2E-07	1.6E-03
GMP22	GMP22004	2/25/2003	6	Benzyl chloride	100447	7.39	UJ0		
GMP22	GMP22004	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP22	GMP22004	2/25/2003	6	Bromoform	75252	14.70	UJ0		
GMP22	GMP22004	2/25/2003	6	Bromomethane	74839	3.95	J3	NA	1.1E-04
GMP22	GMP22004	2/25/2003	6	Carbon disulfide	75150	16.43	J3	NA	4.2E-06
GMP22	GMP22004	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		
GMP22	GMP22004	2/25/2003	6	Chlorobenzene	108907	6.58	UJ0		
GMP22	GMP22004	2/25/2003	6	Chloroethane	75003	29.48	J3	NA	6.7E-05
GMP22	GMP22004	2/25/2003	6	Chloroform	67663	6.93	J3		
GMP22	GMP22004	2/25/2003	6	Chloromethane	74873	39.90	J3	6.3E-09	2.7E-05
GMP22	GMP22004	2/25/2003	6	cis-1,2-Dichloroethene	156592	7.58	J3	NA	2.9E-05
GMP22	GMP22004	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP22	GMP22004	2/25/2003	6	Cyclohexane	110827	1,291.30	J3		
GMP22	GMP22004	2/25/2003	6	Dibromochloromethane	124481	12.11	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22004	2/25/2003	6	Dichlorodifluoromethane	75718	47.79	J3	NA	2.9E-05
GMP22	GMP22004	2/25/2003	6	Ethanol	64175	2.67	U		
GMP22	GMP22004	2/25/2003	6	Ethylbenzene	100414	154.00	J03	9.9E-09	2.1E-05
GMP22	GMP22004	2/25/2003	6	Heptane	142825	790.40	J3		
GMP22	GMP22004	2/25/2003	6	Hexachlorobutadiene	87683	15.19	UJ0		
GMP22	GMP22004	2/25/2003	6	Hexane	110543	963.90	J3	NA	1.5E-03
GMP22	GMP22004	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP22	GMP22004	2/25/2003	6	m,p-xylenes	106423	704.00	J03	NA	9.8E-04
GMP22	GMP22004	2/25/2003	6	Methylene chloride	75092	16.24	U4J3		
GMP22	GMP22004	2/25/2003	6	o-xylene	95476	1,056.00	J03	NA	1.6E-03
GMP22	GMP22004	2/25/2003	6	Propylene	115071	2,275.00			
GMP22	GMP22004	2/25/2003	6	Styrene	100425	10.37	J03	NA	1.4E-06
GMP22	GMP22004	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP22	GMP22004	2/25/2003	6	Tetrachloroethene	127184	20.01	J3	6.6E-09	4.4E-06
GMP22	GMP22004	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		
GMP22	GMP22004	2/25/2003	6	Toluene	108883	38.30	J3	NA	1.5E-05
GMP22	GMP22004	2/25/2003	6	trans-1,2-Dichloroethene	156605	5.59	U		
GMP22	GMP22004	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP22	GMP22004	2/25/2003	6	Trichloroethene	79016	17.14	J3	1.2E-07	7.0E-05
GMP22	GMP22004	2/25/2003	6	Trichlorofluoromethane	75694	7.98	U		
GMP22	GMP22004	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP22	GMP22004	2/25/2003	6	Vinyl chloride	75014	3.64	U		
						GMP22 Total Risk:		**3.5E-07**	**1.8E-02**
GMP23	GMP23002	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP23	GMP23002	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	UJ0		
GMP23	GMP23002	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP23	GMP23002	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP23	GMP23002	2/25/2003	6	1,1-Dichloroethane	75343	5.77	U		
GMP23	GMP23002	2/25/2003	6	1,1-Dichloroethene	75354	5.64	U		
GMP23	GMP23002	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	UJ0		
GMP23	GMP23002	2/25/2003	6	1,2,4-Trimethylbenzene	95636	284.43	J03	NA	5.4E-03
GMP23	GMP23002	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP23	GMP23002	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	9.95	J3		
GMP23	GMP23002	2/25/2003	6	1,2-Dichlorobenzene	95501	28.11	J30	NA	1.8E-05
GMP23	GMP23002	2/25/2003	6	1,2-Dichloroethane	107062	5.77	U		
GMP23	GMP23002	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP23	GMP23002	2/25/2003	6	1,3,5-Trimethylbenzene	108678	484.03	J03	NA	9.2E-03
GMP23	GMP23002	2/25/2003	6	1,3-Butadiene	106990	3.14	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23002	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	UJ0		
GMP23	GMP23002	2/25/2003	6	1,4-Dichlorobenzene	106467	37.88	J03	2.3E-08	4.5E-05
GMP23	GMP23002	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP23	GMP23002	2/25/2003	6	2-Butanone	78933	35.88	U2J3		
GMP23	GMP23002	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP23	GMP23002	2/25/2003	6	4-Ethyltoluene	622968	66.15	J03		
GMP23	GMP23002	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP23	GMP23002	2/25/2003	6	Acetone	67641	939.90	J3	NA	1.1E-03
GMP23	GMP23002	2/25/2003	6	Benzene	71432	110.50	J3	2.2E-07	2.9E-03
GMP23	GMP23002	2/25/2003	6	Benzyl chloride	100447	7.39	UJ0		
GMP23	GMP23002	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP23	GMP23002	2/25/2003	6	Bromoform	75252	14.70	UJ0		
GMP23	GMP23002	2/25/2003	6	Bromomethane	74839	5.53	U		
GMP23	GMP23002	2/25/2003	6	Carbon disulfide	75150	948.00	J3	NA	2.4E-04
GMP23	GMP23002	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		
GMP23	GMP23002	2/25/2003	6	Chlorobenzene	108907	629.80	J03	NA	1.4E-03
GMP23	GMP23002	2/25/2003	6	Chloroethane	75003	26.80	J3	NA	6.1E-05
GMP23	GMP23002	2/25/2003	6	Chloroform	67663	6.93	U		
GMP23	GMP23002	2/25/2003	6	Chloromethane	74873	357.00	J3	5.7E-08	2.4E-04
GMP23	GMP23002	2/25/2003	6	cis-1,2-Dichloroethene	156592	11.97	J3	NA	4.6E-05
GMP23	GMP23002	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP23	GMP23002	2/25/2003	6	Cyclohexane	110827	418.80	J3		
GMP23	GMP23002	2/25/2003	6	Dibromochloromethane	124481	12.11	U		
GMP23	GMP23002	2/25/2003	6	Dichlorodifluoromethane	75718	18.11	U2J3		
GMP23	GMP23002	2/25/2003	6	Ethanol	64175	11.84	U2J3		
GMP23	GMP23002	2/25/2003	6	Ethylbenzene	100414	171.60	J03	1.1E-08	2.3E-05
GMP23	GMP23002	2/25/2003	6	Heptane	142825	748.80	J3		
GMP23	GMP23002	2/25/2003	6	Hexachlorobutadiene	87683	15.19	UJ0		
GMP23	GMP23002	2/25/2003	6	Hexane	110543	571.20	J3	NA	8.6E-04
GMP23	GMP23002	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP23	GMP23002	2/25/2003	6	m,p-xylenes	106423	748.00	J30	NA	1.0E-03
GMP23	GMP23002	2/25/2003	6	Methylene chloride	75092	22.24	U4J3		
GMP23	GMP23002	2/25/2003	6	o-xylene	95476	528.00	J03	NA	8.2E-04
GMP23	GMP23002	2/25/2003	6	Propylene	115071	6,125.00			
GMP23	GMP23002	2/25/2003	6	Styrene	100425	6.05	UJ0		
GMP23	GMP23002	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP23	GMP23002	2/25/2003	6	Tetrachloroethene	127184	15.18	J3	5.0E-09	3.3E-06
GMP23	GMP23002	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23002	2/25/2003	6	Toluene	108883	49.79	J3	NA	1.9E-05
GMP23	GMP23002	2/25/2003	6	trans-1,2-Dichloroethene	156605	5.59	U		
GMP23	GMP23002	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP23	GMP23002	2/25/2003	6	Trichloroethene	79016	11.06	J3	7.4E-08	4.5E-05
GMP23	GMP23002	2/25/2003	6	Trichlorofluoromethane	75694	7.98	U		
GMP23	GMP23002	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP23	GMP23002	2/25/2003	6	Vinyl chloride	75014	2.60	J3	1.6E-08	4.7E-06
						GMP23 Total Risk:		**4.1E-07**	**2.3E-02**
GMP24	GMP24001	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP24	GMP24001	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	UJ0		
GMP24	GMP24001	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP24	GMP24001	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP24	GMP24001	2/25/2003	6	1,1-Dichloroethane	75343	70.04	J3	6.5E-09	1.9E-05
GMP24	GMP24001	2/25/2003	6	1,1-Dichloroethene	75354	2.86	J3	NA	2.3E-06
GMP24	GMP24001	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	UJ0		
GMP24	GMP24001	2/25/2003	6	1,2,4-Trimethylbenzene	95636	698.60	J03	NA	1.3E-02
GMP24	GMP24001	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP24	GMP24001	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	92.43	J3		
GMP24	GMP24001	2/25/2003	6	1,2-Dichlorobenzene	95501	8.55	UJ0		
GMP24	GMP24001	2/25/2003	6	1,2-Dichloroethane	107062	5.77	U		
GMP24	GMP24001	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP24	GMP24001	2/25/2003	6	1,3,5-Trimethylbenzene	108678	998.00	J03	NA	1.9E-02
GMP24	GMP24001	2/25/2003	6	1,3-Butadiene	106990	3.14	U		
GMP24	GMP24001	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	UJ0		
GMP24	GMP24001	2/25/2003	6	1,4-Dichlorobenzene	106467	22.61	J03	1.4E-08	2.7E-05
GMP24	GMP24001	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP24	GMP24001	2/25/2003	6	2-Butanone	78933	59.80	U2J3		
GMP24	GMP24001	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP24	GMP24001	2/25/2003	6	4-Ethyltoluene	622968	101.43	J03		
GMP24	GMP24001	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP24	GMP24001	2/25/2003	6	Acetone	67641	175.93	U2J3		
GMP24	GMP24001	2/25/2003	6	Benzene	71432	191.75	J3	3.7E-07	5.0E-03
GMP24	GMP24001	2/25/2003	6	Benzyl chloride	100447	7.39	UJ0		
GMP24	GMP24001	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP24	GMP24001	2/25/2003	6	Bromoform	75252	14.70	UJ0		
GMP24	GMP24001	2/25/2003	6	Bromomethane	74839	5.53	U		
GMP24	GMP24001	2/25/2003	6	Carbon disulfide	75150	66.36	J3	NA	1.7E-05
GMP24	GMP24001	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP24	GMP24001	2/25/2003	6	Chlorobenzene	108907	6.58	UJ0		
GMP24	GMP24001	2/25/2003	6	Chloroethane	75003	294.80	J3	NA	6.7E-04
GMP24	GMP24001	2/25/2003	6	Chloroform	67663	6.93	U		
GMP24	GMP24001	2/25/2003	6	Chloromethane	74873	50.40	J3	8.0E-09	3.5E-05
GMP24	GMP24001	2/25/2003	6	cis-1,2-Dichloroethene	156592	55.86	J3	NA	2.2E-04
GMP24	GMP24001	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP24	GMP24001	2/25/2003	6	Cyclohexane	110827	872.50	J3		
GMP24	GMP24001	2/25/2003	6	Dibromochloromethane	124481	12.11	U		
GMP24	GMP24001	2/25/2003	6	Dichlorodifluoromethane	75718	120.72	J3	NA	7.3E-05
GMP24	GMP24001	2/25/2003	6	Ethanol	64175	2.67	U		
GMP24	GMP24001	2/25/2003	6	Ethylbenzene	100414	145.20	J03	9.3E-09	2.0E-05
GMP24	GMP24001	2/25/2003	6	Heptane	142825	624.00	J3		
GMP24	GMP24001	2/25/2003	6	Hexachlorobutadiene	87683	15.19	UJ0		
GMP24	GMP24001	2/25/2003	6	Hexane	110543	963.90	J3	NA	1.5E-03
GMP24	GMP24001	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP24	GMP24001	2/25/2003	6	m,p-xylenes	106423	1,452.00	J03	NA	2.0E-03
GMP24	GMP24001	2/25/2003	6	Methylene chloride	75092	14.12	U4J3		
GMP24	GMP24001	2/25/2003	6	o-xylene	95476	1,012.00	J03	NA	1.6E-03
GMP24	GMP24001	2/25/2003	6	Propylene	115071	6,125.00			
GMP24	GMP24001	2/25/2003	6	Styrene	100425	56.16	J03	NA	7.4E-06
GMP24	GMP24001	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP24	GMP24001	2/25/2003	6	Tetrachloroethene	127184	22.08	J3	7.3E-09	4.8E-06
GMP24	GMP24001	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		
GMP24	GMP24001	2/25/2003	6	Toluene	108883	57.45	J3	NA	2.2E-05
GMP24	GMP24001	2/25/2003	6	trans-1,2-Dichloroethene	156605	6.38	J3	NA	1.2E-05
GMP24	GMP24001	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP24	GMP24001	2/25/2003	6	Trichloroethene	79016	23.23	J3	1.6E-07	9.4E-05
GMP24	GMP24001	2/25/2003	6	Trichlorofluoromethane	75694	15.96	U2J3		
GMP24	GMP24001	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP24	GMP24001	2/25/2003	6	Vinyl chloride	75014	16.90	J3	1.0E-07	3.1E-05
						GMP24 Total Risk:		**6.8E-07**	**4.3E-02**
GMP25	GMP25001	2/25/2003	6.5	1,1,1-Trichloroethane	71556	7.74	U		
GMP25	GMP25001	2/25/2003	6.5	1,1,2,2-Tetrachloroethane	79345	9.77	U		
GMP25	GMP25001	2/25/2003	6.5	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP25	GMP25001	2/25/2003	6.5	1,1,2-Trichloroethane	79005	7.74	U		
GMP25	GMP25001	2/25/2003	6.5	1,1-Dichloroethane	75343	53.56	J3	4.6E-09	1.3E-05
GMP25	GMP25001	2/25/2003	6.5	1,1-Dichloroethene	75354	5.64	U		
GMP25	GMP25001	2/25/2003	6.5	1,2,4-Trichlorobenzene	120821	10.53	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP25	GMP25001	2/25/2003	6.5	1,2,4-Trimethylbenzene	95636	5.49	J3	NA	9.7E-05
GMP25	GMP25001	2/25/2003	6.5	1,2-Dibromoethane	106934	10.95	U		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	213.30	J3		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichlorobenzene	95501	8.55	U		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichloroethane	107062	5.77	U		
GMP25	GMP25001	2/25/2003	6.5	1,2-Dichloropropane	78875	6.58	U		
GMP25	GMP25001	2/25/2003	6.5	1,3,5-Trimethylbenzene	108678	6.99	U		
GMP25	GMP25001	2/25/2003	6.5	1,3-Butadiene	106990	3.14	U		
GMP25	GMP25001	2/25/2003	6.5	1,3-Dichlorobenzene	541731	8.55	U		
GMP25	GMP25001	2/25/2003	6.5	1,4-Dichlorobenzene	106467	7.94	J3	4.5E-09	8.6E-06
GMP25	GMP25001	2/25/2003	6.5	1,4-Dioxane	123911	5.12	U		
GMP25	GMP25001	2/25/2003	6.5	2-Butanone	78933	4.19	U		
GMP25	GMP25001	2/25/2003	6.5	2-Hexanone	591786	5.82	U		
GMP25	GMP25001	2/25/2003	6.5	4-Ethyltoluene	622968	6.17	U		
GMP25	GMP25001	2/25/2003	6.5	4-Methyl-2-pentanone	108101	5.82	U		
GMP25	GMP25001	2/25/2003	6.5	Acetone	67641	3.37	U		
GMP25	GMP25001	2/25/2003	6.5	Benzene	71432	39.00	J3	7.1E-08	9.5E-04
GMP25	GMP25001	2/25/2003	6.5	Benzyl chloride	100447	7.39	U		
GMP25	GMP25001	2/25/2003	6.5	Bromodichloromethane	75274	9.49	U		
GMP25	GMP25001	2/25/2003	6.5	Bromoform	75252	14.70	U		
GMP25	GMP25001	2/25/2003	6.5	Bromomethane	74839	5.53	U		
GMP25	GMP25001	2/25/2003	6.5	Carbon disulfide	75150	8.22	J3	NA	2.0E-06
GMP25	GMP25001	2/25/2003	6.5	Carbon tetrachloride	56235	8.96	U		
GMP25	GMP25001	2/25/2003	6.5	Chlorobenzene	108907	98.70	J3	NA	2.1E-04
GMP25	GMP25001	2/25/2003	6.5	Chloroethane	75003	227.80	J3	NA	4.8E-04
GMP25	GMP25001	2/25/2003	6.5	Chloroform	67663	6.93	U		
GMP25	GMP25001	2/25/2003	6.5	Chloromethane	74873	2.94	U2J3		
GMP25	GMP25001	2/25/2003	6.5	cis-1,2-Dichloroethene	156592	11.17	J3	NA	4.0E-05
GMP25	GMP25001	2/25/2003	6.5	cis-1,3-Dichloropropene	542756	6.45	U		
GMP25	GMP25001	2/25/2003	6.5	Cyclohexane	110827	153.56	J3		
GMP25	GMP25001	2/25/2003	6.5	Dibromochloromethane	124481	12.11	U		
GMP25	GMP25001	2/25/2003	6.5	Dichlorodifluoromethane	75718	47.79	J3	NA	2.7E-05
GMP25	GMP25001	2/25/2003	6.5	Ethanol	64175	2.67	U		
GMP25	GMP25001	2/25/2003	6.5	Ethylbenzene	100414	6.16	U		
GMP25	GMP25001	2/25/2003	6.5	Heptane	142825	5.82	U		
GMP25	GMP25001	2/25/2003	6.5	Hexachlorobutadiene	87683	15.19	U		
GMP25	GMP25001	2/25/2003	6.5	Hexane	110543	26.06	U2J3		
GMP25	GMP25001	2/25/2003	6.5	Isopropyl alcohol	67630	3.49	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

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Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP25	GMP25001	2/25/2003	6.5	m,p-xylenes	106423	8.80	J3	NA	1.1E-05
GMP25	GMP25001	2/25/2003	6.5	Methylene chloride	75092	27.89	U4J3		
GMP25	GMP25001	2/25/2003	6.5	o-xylene	95476	9.68	J3	NA	1.4E-05
GMP25	GMP25001	2/25/2003	6.5	Propylene	115071	262.50	J3		
GMP25	GMP25001	2/25/2003	6.5	Styrene	100425	6.05	U		
GMP25	GMP25001	2/25/2003	6.5	Tert-butyl methyl ether	1634044	5.12	U		
GMP25	GMP25001	2/25/2003	6.5	Tetrachloroethene	127184	11.73	J3	3.6E-09	2.4E-06
GMP25	GMP25001	2/25/2003	6.5	Tetrahydrofuran	109999	4.19	U		
GMP25	GMP25001	2/25/2003	6.5	Toluene	108883	5.36	U		
GMP25	GMP25001	2/25/2003	6.5	trans-1,2-Dichloroethene	156605	5.59	U		
GMP25	GMP25001	2/25/2003	6.5	trans-1,3-Dichloropropene		6.45	U		
GMP25	GMP25001	2/25/2003	6.5	Trichloroethene	79016	8.30	J3	5.2E-08	3.1E-05
GMP25	GMP25001	2/25/2003	6.5	Trichlorofluoromethane	75694	7.98	U		
GMP25	GMP25001	2/25/2003	6.5	Vinyl acetate	108054	5.00	U		
GMP25	GMP25001	2/25/2003	6.5	Vinyl chloride	75014	1.92	J3	1.1E-08	3.3E-06
						GMP25 Total Risk:		**1.5E-07**	**1.9E-03**
GMP26	GMP26001	2/25/2003	6	1,1,1-Trichloroethane	71556	7.74	U		
GMP26	GMP26001	2/25/2003	6	1,1,2,2-Tetrachloroethane	79345	9.77	U		
GMP26	GMP26001	2/25/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	10.88	U		
GMP26	GMP26001	2/25/2003	6	1,1,2-Trichloroethane	79005	7.74	U		
GMP26	GMP26001	2/25/2003	6	1,1-Dichloroethane	75343	5.77	U		
GMP26	GMP26001	2/25/2003	6	1,1-Dichloroethene	75354	5.64	U		
GMP26	GMP26001	2/25/2003	6	1,2,4-Trichlorobenzene	120821	10.53	U		
GMP26	GMP26001	2/25/2003	6	1,2,4-Trimethylbenzene	95636	6.99	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dibromoethane	106934	10.95	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	24.89			
GMP26	GMP26001	2/25/2003	6	1,2-Dichlorobenzene	95501	8.55	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dichloroethane	107062	5.77	U		
GMP26	GMP26001	2/25/2003	6	1,2-Dichloropropane	78875	6.58	U		
GMP26	GMP26001	2/25/2003	6	1,3,5-Trimethylbenzene	108678	6.99	U		
GMP26	GMP26001	2/25/2003	6	1,3-Butadiene	106990	3.14	U		
GMP26	GMP26001	2/25/2003	6	1,3-Dichlorobenzene	541731	8.55	U		
GMP26	GMP26001	2/25/2003	6	1,4-Dichlorobenzene	106467	8.55	U		
GMP26	GMP26002	2/25/2003	6	1,4-Dichlorobenzene	106467	8.55	U		
GMP26	GMP26001	2/25/2003	6	1,4-Dioxane	123911	5.12	U		
GMP26	GMP26001	2/25/2003	6	2-Butanone	78933	4.19	U		
GMP26	GMP26001	2/25/2003	6	2-Hexanone	591786	5.82	U		
GMP26	GMP26001	2/25/2003	6	4-Ethyltoluene	622968	6.17	U		

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

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Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m^3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26001	2/25/2003	6	4-Methyl-2-pentanone	108101	5.82	U		
GMP26	GMP26001	2/25/2003	6	Acetone	67641	3.37	U		
GMP26	GMP26001	2/25/2003	6	Benzene	71432	4.55	U		
GMP26	GMP26001	2/25/2003	6	Benzyl chloride	100447	7.39	U		
GMP26	GMP26001	2/25/2003	6	Bromodichloromethane	75274	9.49	U		
GMP26	GMP26001	2/25/2003	6	Bromoform	75252	14.70	U		
GMP26	GMP26001	2/25/2003	6	Bromomethane	74839	5.53	U		
GMP26	GMP26001	2/25/2003	6	Carbon disulfide	75150	4.42	U		
GMP26	GMP26001	2/25/2003	6	Carbon tetrachloride	56235	8.96	U		
GMP26	GMP26001	2/25/2003	6	Chlorobenzene	108907	6.58	U		
GMP26	GMP26001	2/25/2003	6	Chloroethane	75003	3.75	U		
GMP26	GMP26001	2/25/2003	6	Chloroform	67663	17.82		7.2E-09	1.1E-03
GMP26	GMP26001	2/25/2003	6	Chloromethane	74873	2.94	U		
GMP26	GMP26001	2/25/2003	6	cis-1,2-Dichloroethene	156592	5.59	U		
GMP26	GMP26001	2/25/2003	6	cis-1,3-Dichloropropene	542756	6.45	U		
GMP26	GMP26001	2/25/2003	6	Cyclohexane	110827	4.89	U		
GMP26	GMP26001	2/25/2003	6	Dibromochloromethane	124481	12.11	U		
GMP26	GMP26001	2/25/2003	6	Dichlorodifluoromethane	75718	8.55	U2		
GMP26	GMP26001	2/25/2003	6	Ethanol	64175	2.67	U		
GMP26	GMP26001	2/25/2003	6	Ethylbenzene	100414	6.16	U		
GMP26	GMP26001	2/25/2003	6	Heptane	142825	5.82	U		
GMP26	GMP26001	2/25/2003	6	Hexachlorobutadiene	87683	15.19	U		
GMP26	GMP26001	2/25/2003	6	Hexane	110543	5.00	U		
GMP26	GMP26001	2/25/2003	6	Isopropyl alcohol	67630	3.49	U		
GMP26	GMP26001	2/25/2003	6	m,p-Xylenes	106423	6.16	U		
GMP26	GMP26001	2/25/2003	6	Methylene chloride	75092	6.71	U4		
GMP26	GMP26001	2/25/2003	6	o-Xylene	95476	6.16	U		
GMP26	GMP26001	2/25/2003	6	Propylene	115071	2.45	U2		
GMP26	GMP26001	2/25/2003	6	Styrene	100425	6.05	U		
GMP26	GMP26001	2/25/2003	6	Tert-butyl methyl ether	1634044	5.12	U		
GMP26	GMP26001	2/25/2003	6	Tetrachloroethene	127184	9.66	U		
GMP26	GMP26001	2/25/2003	6	Tetrahydrofuran	109999	4.19	U		
GMP26	GMP26001	2/25/2003	6	Toluene	108883	5.36	U		
GMP26	GMP26001	2/25/2003	6	trans-1,2-Dichloroethene	156605	5.59	U		
GMP26	GMP26001	2/25/2003	6	trans-1,3-Dichloropropene		6.45	U		
GMP26	GMP26001	2/25/2003	6	Trichloroethene	79016	7.74	U	2.6E-08	1.6E-05

ATTACHMENT G-3: FEBRUARY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, San Francisco, Hunters Point Shipyard, Califor

Point Identification No.	Sampe Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result ($\mu g/m^3$)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26001	2/25/2003	6	Trichlorofluoromethane	75694	7.98	U		
GMP26	GMP26001	2/25/2003	6	Vinyl acetate	108054	5.00	U		
GMP26	GMP26001	2/25/2003	6	Vinyl chloride	75014	3.64	U		
						GMP26 Total Risk:		**3.3E-08**	**1.1E-03**

Notes:

$\mu g/m^3$	Micrograms per cubic meter
J	Estimated value
JEM	Johnson-Ettinger Model
NA	Not analyzed
U	Not detected

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22005	5/27/2003	6	1,1,1-Trichloroethane	71556	19	U		
GMP22	GMP22005	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	24	U		
GMP22	GMP22005	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	27	U		
GMP22	GMP22005	5/27/2003	6	1,1,2-Trichloroethane	79005	19	U		
GMP22	GMP22005	5/27/2003	6	1,1-Dichloroethane	75343	14	U		
GMP22	GMP22005	5/27/2003	6	1,1-Dichloroethene	75354	14	U		
GMP22	GMP22005	5/27/2003	6	1,2,4-Trichlorobenzene	120821	26	U		
GMP22	GMP22005	5/27/2003	6	1,2,4-Trimethylbenzene	95636	80	J3	NA	1.5E-03
GMP22	GMP22005	5/27/2003	6	1,2-Dibromoethane	106934	27	U		
GMP22	GMP22005	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	31	J3		
GMP22	GMP22005	5/27/2003	6	1,2-Dichlorobenzene	95501	21	U		
GMP22	GMP22005	5/27/2003	6	1,2-Dichloroethane	107062	14	U		
GMP22	GMP22005	5/27/2003	6	1,2-Dichloropropane	78875	16	U		
GMP22	GMP22005	5/27/2003	6	1,3,5-Trimethylbenzene	108678	17	U		
GMP22	GMP22005	5/27/2003	6	1,3-Butadiene	106990	8	U		
GMP22	GMP22005	5/27/2003	6	1,3-Dichlorobenzene	541731	21	U		
GMP22	GMP22005	5/27/2003	6	1,4-Dichlorobenzene	106467	21	U		
GMP22	GMP22005	5/27/2003	6	1,4-Dioxane	123911	13	U		
GMP22	GMP22005	5/27/2003	6	2-Butanone	78933	10	U		
GMP22	GMP22005	5/27/2003	6	2-Hexanone	591786	15	U		
GMP22	GMP22005	5/27/2003	6	4-Ethyltoluene	622968	15	U		
GMP22	GMP22005	5/27/2003	6	4-Methyl-2-pentanone	108101	15	U		
GMP22	GMP22005	5/27/2003	6	Acetone	67641	8	U		
GMP22	GMP22005	5/27/2003	6	Benzene	71432	28	J3	5.5E-08	7.3E-04
GMP22	GMP22005	5/27/2003	6	Benzyl chloride	100447	18	U		
GMP22	GMP22005	5/27/2003	6	Bromodichloromethane	75274	24	U		
GMP22	GMP22005	5/27/2003	6	Bromoform	75252	37	U		
GMP22	GMP22005	5/27/2003	6	Bromomethane	74839	14	U		
GMP22	GMP22005	5/27/2003	6	Carbon disulfide	75150	11	U		
GMP22	GMP22005	5/27/2003	6	Carbon tetrachloride	56235	22	U		
GMP22	GMP22005	5/27/2003	6	Chlorobenzene	108907	16	U		
GMP22	GMP22005	5/27/2003	6	Chloroethane	75003	9	U		
GMP22	GMP22005	5/27/2003	6	Chloroform	67663	17	U	3.4E-09	5.0E-04
GMP22	GMP22005	5/27/2003	6	Chloromethane	74873	7	U		
GMP22	GMP22005	5/27/2003	6	cis-1,2-Dichloroethene	156592	14	U		
GMP22	GMP22005	5/27/2003	6	cis-1,3-Dichloropropene	542756	16	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP22	GMP22005	5/27/2003	6	Cyclohexane	110827	730	J3		
GMP22	GMP22005	5/27/2003	6	Dibromochloromethane	124481	30	U		
GMP22	GMP22005	5/27/2003	6	Dichlorodifluoromethane	75718	21	J3	NA	1.3E-05
GMP22	GMP22005	5/27/2003	6	Ethanol	64175	7	U		
GMP22	GMP22005	5/27/2003	6	Ethylbenzene	100414	15	U		
GMP22	GMP22005	5/27/2003	6	Heptane	142825	310	J3		
GMP22	GMP22005	5/27/2003	6	Hexachlorobutadiene	87683	38	U		
GMP22	GMP22005	5/27/2003	6	Hexane	110543	430	J3	NA	6.5E-04
GMP22	GMP22005	5/27/2003	6	Isopropyl alcohol	67630	9	U		
GMP22	GMP22005	5/27/2003	6	m,p-xylenes	106423	290	J3	NA	4.0E-04
GMP22	GMP22005	5/27/2003	6	Methylene chloride	75092	12	U		
GMP22	GMP22005	5/27/2003	6	o-xylene	95476	210	U		
GMP22	GMP22005	5/27/2003	6	Propylene	95476	1,400	J3		
GMP22	GMP22005	5/27/2003	6	Styrene	100425	15	J3	NA	2.0E-06
GMP22	GMP22005	5/27/2003	6	Tert-butyl methyl ether	1634044	13	U		
GMP22	GMP22005	5/27/2003	6	Tetrachloroethene	127184	24	U		
GMP22	GMP22005	5/27/2003	6	Tetrahydrofuran	109999	10	U		
GMP22	GMP22005	5/27/2003	6	Toluene	108883	13	U		
GMP22	GMP22005	5/27/2003	6	trans-1,2-Dichloroethene	156605	14	U		
GMP22	GMP22005	5/27/2003	6	trans-1,3-Dichloropropene	542756	16	U		
GMP22	GMP22005	5/27/2003	6	Trichloroethene	79016	19	U		
GMP22	GMP22005	5/27/2003	6	Trichlorofluoromethane	75694	20	U		
GMP22	GMP22005	5/27/2003	6	Vinyl acetate	108054	12	U		
GMP22	GMP22005	5/27/2003	6	Vinyl chloride	75014	9	U		
						GMP22 Total Risk:		**5.8E-08**	**3.8E-03**
GMP23	GMP23003	5/27/2003	6	1,1,1-Trichloroethane	71556	77	U		
GMP23	GMP23003	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	98	U		
GMP23	GMP23003	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	110	U		
GMP23	GMP23003	5/27/2003	6	1,1,2-Trichloroethane	79005	77	U		
GMP23	GMP23003	5/27/2003	6	1,1-Dichloroethane	75343	58	U		
GMP23	GMP23003	5/27/2003	6	1,1-Dichloroethene	75354	56	U		
GMP23	GMP23003	5/27/2003	6	1,2,4-Trichlorobenzene	120821	110	U		
GMP23	GMP23003	5/27/2003	6	1,2,4-Trimethylbenzene	95636	130		NA	2.5E-03
GMP23	GMP23003	5/27/2003	6	1,2-Dibromoethane	106934	110	U		
GMP23	GMP23003	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	100	U		
GMP23	GMP23003	5/27/2003	6	1,2-Dichlorobenzene	95501	86	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23003	5/27/2003	6	1,2-Dichloroethane	107062	58	U		
GMP23	GMP23003	5/27/2003	6	1,2-Dichloropropane	78875	66	U		
GMP23	GMP23003	5/27/2003	6	1,3,5-Trimethylbenzene	108678	200			
GMP23	GMP23003	5/27/2003	6	1,3-Butadiene	106990	31	U		
GMP23	GMP23003	5/27/2003	6	1,3-Dichlorobenzene	541731	86	U		
GMP23	GMP23003	5/27/2003	6	1,4-Dichlorobenzene	106467	86	U		
GMP23	GMP23003	5/27/2003	6	1,4-Dioxane	123911	51	U		
GMP23	GMP23003	5/27/2003	6	2-Butanone	78933	42	U		
GMP23	GMP23003	5/27/2003	6	2-Hexanone	591786	58	U		
GMP23	GMP23003	5/27/2003	6	4-Ethyltoluene	622968	62	U		
GMP23	GMP23003	5/27/2003	6	4-Methyl-2-pentanone	108101	58	U		
GMP23	GMP23003	5/27/2003	6	Acetone	67641	34	U		
GMP23	GMP23003	5/27/2003	6	Benzene	71432	85		1.7E-07	2.2E-03
GMP23	GMP23003	5/27/2003	6	Benzyl chloride	100447	74	U		
GMP23	GMP23003	5/27/2003	6	Bromodichloromethane	75274	95	U		
GMP23	GMP23003	5/27/2003	6	Bromoform	75252	150	U		
GMP23	GMP23003	5/27/2003	6	Bromomethane	74839	55	U		
GMP23	GMP23003	5/27/2003	6	Carbon disulfide	75150	150		NA	3.8E-05
GMP23	GMP23003	5/27/2003	6	Carbon tetrachloride	56235	90	U		
GMP23	GMP23003	5/27/2003	6	Chlorobenzene	108907	180		NA	4.1E-04
GMP23	GMP23003	5/27/2003	6	Chloroethane	75003	38	U		
GMP23	GMP23003	5/27/2003	6	Chloroform	67663	69	U	1.4E-08	2.0E-03
GMP23	GMP23003	5/27/2003	6	Chloromethane	74873	65		1.0E-08	4.5E-05
GMP23	GMP23003	5/27/2003	6	cis-1,2-Dichloroethene	156592	56	U		
GMP23	GMP23003	5/27/2003	6	cis-1,3-Dichloropropene	542756	65	U		
GMP23	GMP23003	5/27/2003	6	Cyclohexane	110827	320			
GMP23	GMP23003	5/27/2003	6	Dibromochloromethane	124481	120	U		
GMP23	GMP23003	5/27/2003	6	Dichlorodifluoromethane	75718	70	U		
GMP23	GMP23003	5/27/2003	6	Ethanol	64175	27	U		
GMP23	GMP23003	5/27/2003	6	Ethylbenzene	100414	62	U		
GMP23	GMP23003	5/27/2003	6	Heptane	142825	580			
GMP23	GMP23003	5/27/2003	6	Hexachlorobutadiene	87683	150	U		
GMP23	GMP23003	5/27/2003	6	Hexane	110543	540		NA	8.1E-04
GMP23	GMP23003	5/27/2003	6	Isopropyl alcohol	67630	35	U		
GMP23	GMP23003	5/27/2003	6	m,p-xylenes	106423	260		NA	3.6E-04
GMP23	GMP23003	5/27/2003	6	Methylene chloride	75092	49	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP23	GMP23003	5/27/2003	6	o-xylene	95476	170	U		
GMP23	GMP23003	5/27/2003	6	Propylene	95476	8,800			
GMP23	GMP23003	5/27/2003	6	Styrene	100425	60		NA	7.9E-06
GMP23	GMP23003	5/27/2003	6	Tert-butyl methyl ether	1634044	51	U		
GMP23	GMP23003	5/27/2003	6	Tetrachloroethene	127184	97	U	1.6E-08	1.1E-05
GMP23	GMP23003	5/27/2003	6	Tetrahydrofuran	109999	42	U		
GMP23	GMP23003	5/27/2003	6	Toluene	108883	54	U		
GMP23	GMP23003	5/27/2003	6	trans-1,2-Dichloroethene	156605	56	U		
GMP23	GMP23003	5/27/2003	6	trans-1,3-Dichloropropene	542756	65	U	6.4E-09	1.9E-04
GMP23	GMP23003	5/27/2003	6	Trichloroethene	79016	77	U		
GMP23	GMP23003	5/27/2003	6	Trichlorofluoromethane	75694	80	U		
GMP23	GMP23003	5/27/2003	6	Vinyl acetate	108054	50	U		
GMP23	GMP23003	5/27/2003	6	Vinyl chloride	75014	36	U	1.1E-07	3.3E-05
						GMP23 Total Risk:		**3.3E-07**	**8.6E-03**
GMP24	GMP24002	5/27/2003	6	1,1,1-Trichloroethane	71556	77	U		
GMP24	GMP24002	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	98	U		
GMP24	GMP24002	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	110	U		
GMP24	GMP24002	5/27/2003	6	1,1,2-Trichloroethane	79005	77	U		
GMP24	GMP24002	5/27/2003	6	1,1-Dichloroethane	75343	58	U		
GMP24	GMP24002	5/27/2003	6	1,1-Dichloroethene	75354	56	U		
GMP24	GMP24002	5/27/2003	6	1,2,4-Trichlorobenzene	120821	110	U		
GMP24	GMP24002	5/27/2003	6	1,2,4-Trimethylbenzene	95636	260		NA	5.0E-03
GMP24	GMP24002	5/27/2003	6	1,2-Dibromoethane	106934	110	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	100	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichlorobenzene	95501	86	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichloroethane	107062	58	U		
GMP24	GMP24002	5/27/2003	6	1,2-Dichloropropane	78875	66	U		
GMP24	GMP24002	5/27/2003	6	1,3,5-Trimethylbenzene	108678	290			
GMP24	GMP24002	5/27/2003	6	1,3-Butadiene	106990	31	U		
GMP24	GMP24002	5/27/2003	6	1,3-Dichlorobenzene	541731	86	U		
GMP24	GMP24002	5/27/2003	6	1,4-Dichlorobenzene	106467	86	U		
GMP24	GMP24002	5/27/2003	6	1,4-Dioxane	123911	51	U		
GMP24	GMP24002	5/27/2003	6	2-Butanone	78933	100	U4		
GMP24	GMP24002	5/27/2003	6	2-Hexanone	591786	58	U		
GMP24	GMP24002	5/27/2003	6	4-Ethyltoluene	622968	62	U		
GMP24	GMP24002	5/27/2003	6	4-Methyl-2-pentanone	108101	58	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP24	GMP24002	5/27/2003	6	Acetone	67641	2,900		NA	3.3E-03
GMP24	GMP24002	5/27/2003	6	Benzene	71432	52		1.0E-07	1.4E-03
GMP24	GMP24002	5/27/2003	6	Benzyl chloride	100447	74	U		
GMP24	GMP24002	5/27/2003	6	Bromodichloromethane	75274	95	U		
GMP24	GMP24002	5/27/2003	6	Bromoform	75252	150	U		
GMP24	GMP24002	5/27/2003	6	Bromomethane	74839	55	U		
GMP24	GMP24002	5/27/2003	6	Carbon disulfide	75150	1,400		NA	3.6E-04
GMP24	GMP24002	5/27/2003	6	Carbon tetrachloride	56235	90	U		
GMP24	GMP24002	5/27/2003	6	Chlorobenzene	108907	66	U		
GMP24	GMP24002	5/27/2003	6	Chloroethane	75003	46		NA	1.0E-04
GMP24	GMP24002	5/27/2003	6	Chloroform	67663	69	U	1.4E-08	2.0E-03
GMP24	GMP24002	5/27/2003	6	Chloromethane	74873	250		4.0E-08	1.7E-04
GMP24	GMP24002	5/27/2003	6	cis-1,2-Dichloroethene	156592	56	U		
GMP24	GMP24002	5/27/2003	6	cis-1,3-Dichloropropene	542756	65	U	6.4E-09	1.9E-04
GMP24	GMP24002	5/27/2003	6	Cyclohexane	110827	230			
GMP24	GMP24002	5/27/2003	6	Dibromochloromethane	124481	120	U		
GMP24	GMP24002	5/27/2003	6	Dichlorodifluoromethane	75718	70	U		
GMP24	GMP24002	5/27/2003	6	Ethanol	64175	27	U		
GMP24	GMP24002	5/27/2003	6	Ethylbenzene	100414	62	U		
GMP24	GMP24002	5/27/2003	6	Heptane	142825	190			
GMP24	GMP24002	5/27/2003	6	Hexachlorobutadiene	87683	150	U		
GMP24	GMP24002	5/27/2003	6	Hexane	110543	390		NA	5.9E-04
GMP24	GMP24002	5/27/2003	6	Isopropyl alcohol	67630	35	U		
GMP24	GMP24002	5/27/2003	6	m,p-xylenes	106423	290		NA	4.0E-04
GMP24	GMP24002	5/27/2003	6	Methylene chloride	75092	49	U		
GMP24	GMP24002	5/27/2003	6	o-xylene	95476	240	U		
GMP24	GMP24002	5/27/2003	6	Propylene	95476	8,100			
GMP24	GMP24002	5/27/2003	6	Styrene	100425	60		NA	7.9E-06
GMP24	GMP24002	5/27/2003	6	Tert-butyl methyl ether	1634044	51	U		
GMP24	GMP24002	5/27/2003	6	Tetrachloroethene	127184	97	U	1.6E-08	1.1E-05
GMP24	GMP24002	5/27/2003	6	Tetrahydrofuran	109999	42	U		
GMP24	GMP24002	5/27/2003	6	Toluene	108883	54	U		
GMP24	GMP24002	5/27/2003	6	trans-1,2-Dichloroethene	156605	56	U		
GMP24	GMP24002	5/27/2003	6	trans-1,3-Dichloropropene	542756	65	U	6.4E-09	1.9E-04
GMP24	GMP24002	5/27/2003	6	Trichloroethene	79016	77	U		
GMP24	GMP24002	5/27/2003	6	Trichlorofluoromethane	75694	80	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP24	GMP24002	5/27/2003	6	Vinyl acetate	108054	50	U		
GMP24	GMP24002	5/27/2003	6	Vinyl chloride	75014	36	U	1.1E-07	3.3E-05
						GMP24 Total Risk:		**2.9E-07**	**1.4E-02**
GMP25	GMP25002	5/27/2003	6.5	1,1,1-Trichloroethane	71556	39	U		
GMP25	GMP25002	5/27/2003	6.5	1,1,2,2-Tetrachloroethane	79345	49	U		
GMP25	GMP25002	5/27/2003	6.5	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	54	U		
GMP25	GMP25002	5/27/2003	6.5	1,1,2-Trichloroethane	79005	39	U		
GMP25	GMP25002	5/27/2003	6.5	1,1-Dichloroethane	75343	45		4.2E-09	1.2E-05
GMP25	GMP25002	5/27/2003	6.5	1,1-Dichloroethene	75354	28	U		
GMP25	GMP25002	5/27/2003	6.5	1,2,4-Trichlorobenzene	120821	53	U		
GMP25	GMP25002	5/27/2003	6.5	1,2,4-Trimethylbenzene	95636	35	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dibromoethane	106934	55	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	85			
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichlorobenzene	95501	43	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichloroethane	107062	29	U		
GMP25	GMP25002	5/27/2003	6.5	1,2-Dichloropropane	78875	33	U		
GMP25	GMP25002	5/27/2003	6.5	1,3,5-Trimethylbenzene	108678	35	U		
GMP25	GMP25002	5/27/2003	6.5	1,3-Butadiene	106990	16	U		
GMP25	GMP25002	5/27/2003	6.5	1,3-Dichlorobenzene	541731	43	U		
GMP25	GMP25002	5/27/2003	6.5	1,4-Dichlorobenzene	106467	43	U		
GMP25	GMP25002	5/27/2003	6.5	1,4-Dioxane	123911	26	U		
GMP25	GMP25002	5/27/2003	6.5	2-Butanone	78933	21	U		
GMP25	GMP25002	5/27/2003	6.5	2-Hexanone	591786	29	U		
GMP25	GMP25002	5/27/2003	6.5	4-Ethyltoluene	622968	31	U		
GMP25	GMP25002	5/27/2003	6.5	4-Methyl-2-pentanone	108101	29	U		
GMP25	GMP25002	5/27/2003	6.5	Acetone	67641	17	U		
GMP25	GMP25002	5/27/2003	6.5	Benzene	71432	42		7.6E-08	1.0E-03
GMP25	GMP25002	5/27/2003	6.5	Benzyl chloride	100447	37	U		
GMP25	GMP25002	5/27/2003	6.5	Bromodichloromethane	75274	47	U		
GMP25	GMP25002	5/27/2003	6.5	Bromoform	75252	74	U		
GMP25	GMP25002	5/27/2003	6.5	Bromomethane	74839	28	U		
GMP25	GMP25002	5/27/2003	6.5	Carbon disulfide	75150	22	U		
GMP25	GMP25002	5/27/2003	6.5	Carbon tetrachloride	56235	45	U		
GMP25	GMP25002	5/27/2003	6.5	Chloroform	67663	35	U	6.7E-09	9.8E-04
GMP25	GMP25002	5/27/2003	6.5	Chloromethane	74873	15	U		
GMP25	GMP25002	5/27/2003	6.5	cis-1,2-Dichloroethene	156592	28	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP25	GMP25002	5/27/2003	6.5	cis-1,3-Dichloropropene	542756	32	U		
GMP25	GMP25002	5/27/2003	6.5	Cyclohexane	110827	66	U2		
GMP25	GMP25002	5/27/2003	6.5	Dibromochloromethane	124481	61	U		
GMP25	GMP25002	5/27/2003	6.5	Ethanol	64175	13	U		
GMP25	GMP25002	5/27/2003	6.5	Ethylbenzene	100414	31	U		
GMP25	GMP25002	5/27/2003	6.5	Heptane	142825	29	U		
GMP25	GMP25002	5/27/2003	6.5	Hexachlorobutadiene	87683	76	U		
GMP25	GMP25002	5/27/2003	6.5	Hexane	110543	25	U		
GMP25	GMP25002	5/27/2003	6.5	Isopropyl alcohol	67630	17	U		
GMP25	GMP25002	5/27/2003	6.5	m,p-xylenes	106423	31	U		
GMP25	GMP25002	5/27/2003	6.5	Methylene chloride	75092	25	U		
GMP25	GMP25002	5/27/2003	6.5	o-xylene	95476	31	U		
GMP25	GMP25002	5/27/2003	6.5	Propylene	95476	12	U		
GMP25	GMP25002	5/27/2003	6.5	Styrene	100425	30	U		
GMP25	GMP25002	5/27/2003	6.5	Tert-butyl methyl ether	1634044	26	U		
GMP25	GMP25002	5/27/2003	6.5	Tetrachloroethene	127184	48	U		
GMP25	GMP25002	5/27/2003	6.5	Tetrahydrofuran	109999	21	U		
GMP25	GMP25002	5/27/2003	6.5	Toluene	108883	27	U		
GMP25	GMP25002	5/27/2003	6.5	trans-1,2-Dichloroethene	156605	28	U		
GMP25	GMP25002	5/27/2003	6.5	trans-1,3-Dichloropropene	542756	32	U		
GMP25	GMP25002	5/27/2003	6.5	Trichloroethene	79016	39	U		
GMP25	GMP25002	5/27/2003	6.5	Trichlorofluoromethane	75694	40	U		
GMP25	GMP25002	5/27/2003	6.5	Vinyl acetate	108054	25	U		
GMP25	GMP25002	5/27/2003	6.5	Vinyl chloride	75014	18	U		
GMP25DUP	GMP25003	5/27/2003	6.5	Chlorobenzene	108907	94	J3	NA	2.0E-04
GMP25DUP	GMP25003	5/27/2003	6.5	Chloroethane	75003	230	J3	NA	4.8E-04
GMP25DUP	GMP25003	5/27/2003	6.5	Dichlorodifluoromethane	75718	23	J3	NA	1.3E-05
						GMP25 Total Risk:		**8.7E-08**	**2.7E-03**
GMP26	GMP26003	5/27/2003	6	1,1,1-Trichloroethane	71556	8	U		
GMP26	GMP26003	5/27/2003	6	1,1,2,2-Tetrachloroethane	79345	10	U		
GMP26	GMP26003	5/27/2003	6	1,1,2-Trichloro-1,2,2-Trifluoroethane	76131	11	U		
GMP26	GMP26003	5/27/2003	6	1,1,2-Trichloroethane	79005	8	U		
GMP26	GMP26003	5/27/2003	6	1,1-Dichloroethane	75343	6	U		
GMP26	GMP26003	5/27/2003	6	1,1-Dichloroethene	75354	6	U		
GMP26	GMP26003	5/27/2003	6	1,2,4-Trichlorobenzene	120821	11	U		
GMP26	GMP26003	5/27/2003	6	1,2,4-Trimethylbenzene	95636	7	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26003	5/27/2003	6	1,2-Dibromoethane	106934	11	U		
GMP26	GMP26003	5/27/2003	6	1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76142	21			
GMP26	GMP26003	5/27/2003	6	1,2-Dichlorobenzene	95501	9	U		
GMP26	GMP26003	5/27/2003	6	1,2-Dichloroethane	107062	6	U		
GMP26	GMP26003	5/27/2003	6	1,2-Dichloropropane	78875	7	U		
GMP26	GMP26003	5/27/2003	6	1,3,5-Trimethylbenzene	108678	7	U		
GMP26	GMP26003	5/27/2003	6	1,3-Butadiene	106990	3	U		
GMP26	GMP26003	5/27/2003	6	1,3-Dichlorobenzene	541731	9	U		
GMP26	GMP26003	5/27/2003	6	1,4-Dichlorobenzene	106467	9	U		
GMP26	GMP26003	5/27/2003	6	1,4-Dioxane	123911	5	U		
GMP26	GMP26003	5/27/2003	6	2-Butanone	78933	4	U		
GMP26	GMP26003	5/27/2003	6	2-Hexanone	591786	6	U		
GMP26	GMP26003	5/27/2003	6	4-Ethyltoluene	622968	6	U		
GMP26	GMP26003	5/27/2003	6	4-Methyl-2-pentanone	108101	6	U		
GMP26	GMP26003	5/27/2003	6	Acetone	67641	3	U		
GMP26	GMP26003	5/27/2003	6	Benzene	71432	5	U		
GMP26	GMP26003	5/27/2003	6	Benzyl chloride	100447	7	U	1.1E-08	5.5E-05
GMP26	GMP26003	5/27/2003	6	Bromodichloromethane	75274	9	U		
GMP26	GMP26003	5/27/2003	6	Bromoform	75252	15	U		
GMP26	GMP26003	5/27/2003	6	Bromomethane	74839	6	U		
GMP26	GMP26003	5/27/2003	6	Carbon disulfide	75150	4	U		
GMP26	GMP26003	5/27/2003	6	Carbon tetrachloride	56235	9	U		
GMP26	GMP26003	5/27/2003	6	Chlorobenzene	108907	7	U		
GMP26	GMP26003	5/27/2003	6	Chloroethane	75003	4	U		
GMP26	GMP26003	5/27/2003	6	Chloroform	67663	19		3.8E-09	5.6E-04
GMP26	GMP26003	5/27/2003	6	Chloromethane	74873	3	U		
GMP26	GMP26003	5/27/2003	6	cis-1,2-Dichloroethene	156592	6	U		
GMP26	GMP26003	5/27/2003	6	cis-1,3-Dichloropropene	542756	6	U		
GMP26	GMP26003	5/27/2003	6	Cyclohexane	110827	5	U		
GMP26	GMP26003	5/27/2003	6	Dibromochloromethane	124481	12	U		
GMP26	GMP26003	5/27/2003	6	Dichlorodifluoromethane	75718	7	U		
GMP26	GMP26003	5/27/2003	6	Ethanol	64175	3	U		
GMP26	GMP26003	5/27/2003	6	Ethylbenzene	100414	6	U		
GMP26	GMP26003	5/27/2003	6	Heptane	142825	6	U		
GMP26	GMP26003	5/27/2003	6	Hexachlorobutadiene	87683	15	U		
GMP26	GMP26003	5/27/2003	6	Hexane	110543	5	U		

ATTACHMENT G-4: MAY 2003 GMP ANALYTICAL RESULTS AND RESIDENTIAL RISK ESTIMATES (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Point Identification No.	Sample Identification No.	Sample Date	Depth to Top of Screen (feet)	Analyte	Chemical Abstract Service No.	Result (µg/m3)	Qualifier	Risk (JEM)	Hazard Quotient (JEM)
GMP26	GMP26003	5/27/2003	6	Isopropyl alcohol	67630	3	U		
GMP26	GMP26003	5/27/2003	6	m,p-xylenes	106423	6	U		
GMP26	GMP26003	5/27/2003	6	Methylene chloride	75092	5	U		
GMP26	GMP26003	5/27/2003	6	o-xylene	95476	6	U		
GMP26	GMP26003	5/27/2003	6	Propylene	95476	2	U		
GMP26	GMP26003	5/27/2003	6	Styrene	100425	6	U		
GMP26	GMP26003	5/27/2003	6	Tert-butyl methyl ether	1634044	5	U		
GMP26	GMP26003	5/27/2003	6	Tetrachloroethene	127184	10	U		
GMP26	GMP26003	5/27/2003	6	Tetrahydrofuran	109999	4	U		
GMP26	GMP26003	5/27/2003	6	Toluene	108883	5	U		
GMP26	GMP26003	5/27/2003	6	trans-1,2-Dichloroethene	156605	6	U		
GMP26	GMP26003	5/27/2003	6	trans-1,3-Dichloropropene	542756	6	U		
GMP26	GMP26003	5/27/2003	6	Trichloroethene	79016	8	U		
GMP26	GMP26003	5/27/2003	6	Trichlorofluoromethane	75694	8	U		
GMP26	GMP26003	5/27/2003	6	Vinyl acetate	108054	5	U		
GMP26	GMP26003	5/27/2003	6	Vinyl chloride	75014	4	U		
						GMP26 Total Risk:		**1.5E-08**	**6.2E-04**

Notes:

µg/m3	Micrograms per cubic meter
GMP	Gas monitoring probe
J	Estimated value
JEM	Johnson-Ettinger Model
NA	Not analyzed
U	Not detected

APPENDIX H
QUALITY CONTROL SUMMARY REPORT

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ACRONYMS AND ABBREVIATIONS

AAC	Atmospheric Analysis & Consulting, Inc.
CLP	Contract Laboratory Program
CRQL	Contract-required quantitation limit
DQO	Data quality objective
EPA	U.S. Environmental Protection Agency
FSP/QAPP	Field sampling plan and quality assurance project plan
LCS	Laboratory control sample
LDC	Laboratory Data Consultants
MD	Matrix duplicate
MDL	Method detection limit
MS	Matrix spike
MSD	Matrix spike duplicate
Navy	U.S. Department of the Navy
PARCC	Precision, accuracy, representativeness, completeness, and comparability
QA	Quality assurance
QC	Quality control
QCSR	Quality control summary report
RPD	Relative percent difference
SDG	Sample delivery group
SOW	Statement of work
Tetra Tech	Tetra Tech EM Inc.
TNMOC	Total nonmethane organic carbon
VOC	Volatile organic compound

1.0 INTRODUCTION

Tetra Tech EM Inc. (Tetra Tech) conducted sampling and analysis activities for the U.S. Department of the Navy (Navy) under Indefinite Quantity Contract for Architectural-Engineering Services to Provide CERCLA/RCRA/UST Studies, Delivery Order No. 003. The sampling event addressed in this quality control summary report (QCSR) was designed to fulfill data quality objectives (DQO) in support of a time-critical removal action for landfill gas at Parcel E of Hunters Point Shipyard in San Francisco, California.

The DQO process is a series of planning steps designed to ensure that the type, quantity, and quality of environmental data used in decision-making are appropriate for the intended application. DQOs were developed in accordance with U.S. Environmental Protection Agency (EPA) guidance for the DQO process (EPA 2000b). The DQOs included the collection and analysis of soil-gas samples from extraction wells and gas monitoring probes located within University of California, San Francisco property adjacent to the Industrial Landfill at Parcel E (herein referred to as the landfill) as well as influent and effluent samples from the treatment system. The DQOs were developed to determine the concentrations of volatile organic compounds (VOC) in landfill gas and to determine the efficiency of the treatment system. Details of the DQOs and sampling design are presented in the work plan for the time-critical removal action (Innovative Technical Solutions, Inc. 2002). Measurement quality objectives for analytical data are presented in the Parcel E field sampling plan and quality assurance project plan (FSP/QAPP) for the nonstandard data gaps investigation (Tetra Tech 2002a).

This QCSR summarizes the comprehensive results of the chemical quality control (QC) data gathered during the landfill gas removal action. Results were used to evaluate the chemical composition of landfill gas and to evaluate the effectiveness of the treatment system. Additionally, this appendix provides a general overview of analytical data quality for this sampling event.

This appendix consists of six sections. Section 1.0 describes the document scope and organization. Section 2.0 discusses the data validation methodology. Section 3.0 summarizes the results of the cursory and full data validation and discusses the general QC issues. Section 4.0 discusses the parameters of precision, accuracy, representativeness, completeness, and comparability (PARCC), which are used to evaluate acceptability of the data during the data validation process. Section 5.0 presents a conclusion of findings regarding data acceptability for the landfill gas removal action sampling event. Section 6.0 lists the references used to prepare this QCSR.

Tables used to prepare the QCSR are presented after Section 6.0. Attachment H-1 contains the validation reports for each sampling delivery group (SDG) received from the laboratory.

2.0 DATA VALIDATION METHODOLOGY

Data validation is the systematic process for reviewing and qualifying data against a set of criteria to ensure that the chemical data are adequate for the intended use. The data validation process assesses acceptability of the data by evaluating the critical indicator parameters of PARCC. The laboratory analytical data were validated according to the procedures outlined in the following documents:

- "USEPA Contract Laboratory Program [CLP] National Functional Guidelines for Organic Data Review" (EPA 1999b)
- "Comprehensive Long-Term Environmental Action Navy II Analytical Services Statement of Work" (Tetra Tech 1998)
- "Data Validation Guidelines" (Tetra Tech 1997)

Data validation occurred in the following two stages: (1) a cursory review of analytical reports and quality assurance (QA) and QC information for 100 percent of the chemical data and (2) full review of analytical reports, QA/QC information, and associated raw data for 20 percent of the chemical data (Tetra Tech 2002a). Of all the samples that were submitted for analysis, 13, or about 19 percent, were selected for full validation.

QA/QC criteria were reviewed in accordance with EPA guidance (EPA 1999b), the FSP/QAPP (Tetra Tech 2002a), and the data validation guidelines (Tetra Tech 1998). The cursory review for organic and inorganic methods consisted of evaluating the following requirements, as applicable:

- Holding times
- Initial and continuing calibrations
- Field and laboratory blank results
- Laboratory control sample (LCS) spike results
- Matrix spike (MS) and matrix spike duplicate (MSD) results
- Field and laboratory matrix duplicate results
- Surrogate recoveries
- Internal standard performance

In addition to QA/QC criteria described above, the following criteria were reviewed for full validation:

- Instrument performance check samples
- Target analyte identification
- Tentatively identified compound identification
- Analyte quantitation
- Detection and quantitation limit verification

Section 3.0 presents the results of both the cursory and the full validation review.

At each stage of the validation, qualifiers were assigned to the results in the electronic database in accordance with EPA guidelines (EPA 1999b), the FSP/QAPP (Tetra Tech 2002a), and the associated analytical methods. Table H-1 defines data validation qualifiers and comment codes that are applied to the data set. Table H-2 summarizes the data validation criteria.

The overall objective of data validation is to ensure that the quality of the chemical data set is adequate for the intended use, as defined by the FSP/QAPP (Tetra Tech 2002a) and in accordance with the PARCC parameters for QAPPs (EPA 1998a, 1998b). PARCC parameters were assessed by completing the following tasks:

- Reviewing precision and accuracy of laboratory QC data
- Reviewing precision and accuracy of field QC data
- Reviewing the overall analytical process, including holding time, calibration, analytical or matrix performance, and analyte identification and quantitation
- Assigning qualifiers to affected data when QA/QC criteria were not achieved
- Reviewing and summarizing implications of the frequency and severity of qualifiers in the validated data

From October 4, 2002, to May 27, 2003, the Navy collected 57 gas samples as well as 4 field duplicates and 7 field blanks. All 68 samples were submitted to the laboratory and analyzed for VOCs, 23 samples were analyzed for carbon dioxide, carbon monoxide, methane, nitrogen, and oxygen, and 16 samples were analyzed for total nonmethane organic carbon (TNMOC).

The chemical analytical program for the landfill gas investigation included the following analyses and methods:

- VOCs by EPA Method TO-14A (EPA 1999a)/TO-15 (EPA 1999c)
- TNMOC by EPA Method 25C (EPA 2000a)
- Carbon dioxide, carbon monoxide, methane, nitrogen, and oxygen by EPA Method 3C (EPA 1996)

For the analysis of VOCs, elements from both methods TO-14A and TO-15 were used in the instrument system configuration.

Table H-3 lists sample container, holding time, and preservative requirements. Samples collected for the landfill gas removal action were submitted to Atmospheric Analysis & Consulting, Inc. (AAC) laboratory located in Ventura, California. AAC analyzed samples in batches, or SDGs, that contained between 2 and 11 samples each. SDGs are generally limited to 20 samples or less. AAC submitted the analytical results to the Navy based on SDGs. The laboratory followed analytical methods specified in the FSP/QAPP (Tetra Tech 2002a) and the analytical statement of work (SOW) for the nonstandard data gaps investigation (Tetra Tech 2002b). The laboratory provided EPA CLP-like deliverable packages for all the data for this project.

Laboratory Data Consultants (LDC) in Carlsbad, California, validated analytical data in accordance with EPA guidance (EPA 1999b) and the SOW (Tetra Tech 1998), and data validation guidelines (Tetra Tech 1997). LDC validated the data using the following information provided by the laboratory:

- Raw data
- Instrument calibration information
- Instrument printouts for samples and standards
- Instrument run logs
- Bench sheets
- Standards preparation information
- QC sample results

Cursory and full validation findings are detailed in Section 3.0.

3.0 DATA REVIEW

Data validity is discussed according to analytical methodology. The discussion is intended to provide a general summary; specific details may be found in the data validation narratives (Attachment H-1). Sections 3.1, 3.2, and 3.3 discuss the cursory and full review components and the results of each specific assessment.

3.1 VOLATILE ORGANIC COMPOUNDS

Analyses for VOCs were performed on 68 air samples, and the 30-day holding time requirements were met for EPA Method TO-14A (Table H-3).

Initial calibrations were performed, as required, and met QC criteria. Continuing calibrations were performed, as required, and met QC criteria.

LCSs were performed at appropriate frequencies for all samples, and all percent recoveries met QC criteria.

The frequency of analysis of MS and MSD samples met the criterion of 5 percent of the samples, as specified in the FSP/QAPP (Tetra Tech 2002a). Surrogates were added to every sample. Of the 4,225 sample results, 608 (14 percent) were qualified as estimated or estimated nondetected (J3/UJ3) because surrogate recovery did not meet QC limits. Of the 68 samples analyzed, 22 were affected by surrogate recovery that did not meet QC limits.

The frequency of analysis of matrix duplicate (MD) samples met the criterion of 5 percent of the samples, as specified in the FSP/QAPP (Tetra Tech 2002a). No sample results were qualified based on MD relative percent differences (RPD).

Method blanks were analyzed with each analytical batch, as required. No sample results were qualified based on contamination of method blanks. A total of 82 results in 31 samples were qualified because of contamination of associated field blank results. VOCs were detected in several field blanks at low concentrations. Results in field samples that were within a factor of five when compared with the field blank results were qualified as nondetected (U2).

VOCs 2-butanone, acetone, and methylene chloride are considered common laboratory contaminants and are qualified as nondetected (U4) when identified in field samples at up to 5 times the contract-required quantitation limit (CRQL). The results for 2-butanone in 3 samples, the results for acetone in 7 samples, and the results for methylene chloride in 23 samples were qualified as nondetected (U4) based on this criterion.

Internal standards were added to every sample to quantify results (in accordance with the method). A total of 115 results was qualified as estimated or estimated nondetected (J0/U0), because internal standards did not meet QC limits.

Analytes detected at concentrations greater than the method detection limit (MDL), but less than the CRQL, were qualified as estimated (J).

3.2 TOTAL NONMETHANE ORGANIC CARBON

Analyses for TNMOC were performed on 16 air samples, and the 30-day holding time requirements were met for EPA Method 25C.

Initial calibrations were performed, as required, and met QC criteria. Continuing calibrations were performed, as required, and met QC criteria.

LCSs were performed at appropriate frequencies for all samples, and all percent recoveries met QC criteria.

The frequency of analysis of MS and MSD samples met the criterion of 5 percent of the samples, as specified in the FSP/QAPP (Tetra Tech 2002a). All MS recoveries met the established QC limits.

The frequency of analysis of MD samples met the criterion of 5 percent of the samples, as specified in the FSP/QAPP (Tetra Tech 2002a). No sample results were qualified based on MD RPD.

Method blanks were analyzed with each analytical batch, as required. No results were qualified because of contamination of method blanks. Three field blanks were analyzed for TNMOC; no results were qualified because of contamination of field blanks.

Internal standards and surrogate standards are not used for Method 25C.

Analytes that were detected at concentrations greater than the MDL, but less than the CRQL, were qualified as estimated (J).

3.3 CARBON DIOXIDE, CARBON MONOXIDE, METHANE, NITROGEN, AND OXYGEN

Analyses for carbon dioxide, carbon monoxide, methane, nitrogen, and oxygen were performed on 23 air samples, and the 30-day holding time requirements were met for EPA Method 3C.

Initial calibrations were performed, as required, and met QC criteria. Continuing calibrations were performed, as required, and met QC criteria.

LCSs were performed at appropriate frequencies for all samples, and all percent recoveries met QC criteria.

The frequency of analysis of MS and MSD samples met the criterion of 5 percent of the samples, as specified in the FSP/QAPP (Tetra Tech 2002a). All MS recoveries met the established QC limits.

The frequency of analysis of MD samples met the criterion of 5 percent of the samples, as specified in the FSP/QAPP (Tetra Tech 2002a). No sample results were qualified based on MD RPD.

Method blanks were analyzed with each analytical batch, as required. No results were qualified because of contamination of method blanks. Field blanks consisted of ambient air, which contained about 79 percent nitrogen and about 20 percent oxygen. Nitrogen and oxygen results in the soil-gas samples were not qualified based on the nitrogen and oxygen content of the field blanks.

Internal standards and surrogate standards are not used for Method 3C.

Analytes that were detected at concentrations greater than the MDL but less than the CRQL were qualified as estimated (J).

4.0 PRECISION, ACCURACY, REPRESENTATIVENESS, COMPLETENESS, AND COMPARABILITY EVALUATION SUMMARY

Data were evaluated for acceptable quality and quantity; this evaluation was based on the PARCC critical indicator parameters. PARCC parameters were reviewed for laboratory analytical results and are discussed in the following sections.

4.1 PRECISION

Precision is a measure of the variability associated with the entire sampling and analysis process. It is the comparison among independent measurements as the result of repeated application of the same process under similar conditions. It is determined by analysis of field duplicate pairs, MSD pairs, and MD pairs. Precision is expressed as the RPD of a pair of values (or results). Table H-2 lists the acceptance criteria for specified analytical methodologies. Additional criteria and guidance were taken from EPA validation guidance documents (EPA 1999b) and the validation SOW (Tetra Tech 1998). During the data validation process, MSD and MD results were evaluated for compliance with acceptance criteria for precision for each analytical methodology. RPD evaluations are documented in individual data validation reports for each SDG (Attachment H-1).

Four field duplicate samples, or 7 percent of samples, were collected for this sampling event. The FSP/QAPP stated that field duplicates would be collected at a frequency of 10 percent (Tetra Tech 2002a). While the actual frequency was lower than planned, this has negligible impact on data quality.

MSs were analyzed for each analysis. Frequency criteria for MSD or MD pairs specified in the FSP/QAPP (Tetra Tech 2002a) are 5 percent of the samples or one pair per analytical batch. MSD and MD frequency for each method ranged from 12 to 19 percent. Overall, 16 of the 68 samples collected (or 23 percent) were used for MSs and/or MDs for at least one method. Of

4,225 individual analytical results, none (0 percent) was affected by duplicate precision results that exceeded QC limits.

4.2 ACCURACY

Accuracy is the degree to which a measurement agrees with its true value and is expressed as percent recovery. Table H-2 presents the acceptance criteria for specified analytical methodologies. Additional criteria and guidance were taken from the EPA validation guidance documents (EPA 1999b) and the validation SOW (Tetra Tech 1998). Accuracy is assessed by comparing recoveries of MSs, LCSs, surrogates, and internal standards with associated control limits. Through the process of data validation, MS, LCS, surrogate recoveries, and internal standard recoveries were evaluated for compliance with acceptance criteria for accuracy for each applicable analytical methodology. Evaluations of percent recovery are documented in the individual data validation reports for each SDG (Attachment H-1).

The frequency of analysis of MS samples exceeded the requirement specified in the FSP/QAPP (Tetra Tech 2002a) of 5 percent of the samples, with an overall frequency of about 23 percent for all methods and matrices combined (16 of 68 total field samples were used for MS). MS frequency for each individual method ranged from 12 to 19 percent.

LCSs were analyzed as required (one LCS per analytical batch) for chemical parameters in each SDG.

Surrogate spikes were used for organic analyses. Surrogate compounds are added to each field and QC sample.

Internal standards were used in the analyses for VOCs.

Of 4,225 individual analytical records, 687, or 16 percent, were affected by accuracy problems related to surrogates or internal standards.

4.3 REPRESENTATIVENESS

Representativeness is a qualitative parameter defined by the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or a process or environmental condition. Sample results were evaluated for representativeness by examining items related to sample collection, including chain-of-custody documentation, sample labeling, collection dates, and the condition of the samples upon receipt at the laboratory. Laboratory procedures were also examined, including anomalies reported by the laboratory, either on receipt of the samples at the laboratory or during analytical processes; adherence to recommended holding times of samples before analysis; calibration of laboratory instruments; adherence to analytical methods; quantitation limits used for samples; and completeness of data package documentation. Any item that may have adversely affected the representativeness of the sample result is documented in the data validation narratives found in Attachment H-1.

All samples were analyzed within the holding times specified by the methods. There are no method-specific temperature requirements for air samples. Air samples were collected in Summa™ canisters, and shipped to the laboratory at ambient temperatures.

Of 4,225 individual analytical records, none was affected by calibration problems.

The quantitation limits achieved for all analytes were adequate to satisfy the DQOs.

Laboratory method blank and calibration blank results were evaluated during the data validation process to assess whether laboratory conditions may have affected sample results. Field blank samples were also evaluated to assess the potential for cross contamination in the field. Blank contamination indicates the potential for false positive results at low concentrations and the potential for a high bias in detected results. Of 4,225 analytical results, 115, or 2.7 percent, were affected by blank contamination. Section 3.0 discusses analytical results for the laboratory method blanks and field blanks for each analysis.

4.4 COMPLETENESS

Completeness is defined as the percentage of measurements judged to be valid. The validity of sample results is determined through the data validation process. All rejected (R) sample results and missing analyses are considered to be incomplete. Data qualified as estimated (J) or estimated nondetected (UJ) are considered to be valid and usable. Completeness is calculated and reported for each method and analyte combination. The number of valid results divided by the number of possible individual analyte results, expressed as a percentage, determines the completeness of the data set. For the landfill gas removal action, 4,225 individual analytical results were generated, and none was rejected, resulting in 100 percent completeness for this sampling event.

4.5 COMPARABILITY

Comparability of the data is a qualitative parameter that expresses the confidence with which one data set may be compared with another. Comparability of the data is achieved by using standard methods for sampling and analysis, reporting data in standard units, normalizing results to standard conditions, and using standardized reporting formats and data validation procedures.

Elevated reporting limits were assessed during the data validation process to assess whether a justifiable reason existed for the raised limits. Reporting limits were frequently raised because of high concentrations of target or interfering compounds. In these cases, sample volumes were diluted and analyzed, or a smaller aliquot of the original sample was analyzed. Elevated reporting limits for these samples were determined to be acceptable for evaluating the nature and extent of landfill gas contamination.

5.0 CONCLUSIONS

Although some qualifiers were added to the data, a final review of the data set, with respect to EPA data quality characteristics discussed in Section 4.0, indicated that the data are of good overall quality. Analytical results from the landfill gas removal action sampling event at HPS met project objectives for the quantity and quality of data required to support decisions based on this investigation.

No data were rejected for this sampling event. Data without qualifiers, data qualified as not detected (U), and data qualified as estimated with a (UJ) or (J) qualifier are usable for purposes in supporting project objectives. All pertinent documentation and data are available upon request, including cursory and full validation reports and the database that contains sample results.

6.0 REFERENCES

Innovative Technical Solutions, Inc. (ITSI). 2002a. "Time-Critical Landfill Gas Removal Action, Project Work Plan, Hunters Point Naval Shipyard, San Francisco, California." October.

Tetra Tech EM Inc. (Tetra Tech). 1997. "Data Validation Guidelines." August.

Tetra Tech. 1998. "Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work." May.

Tetra Tech. 2002a. "Draft Final Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP) for Parcel E Nonstandard Data Gaps Investigation (Industrial Landfill and Wetlands Delineation), HPS, San Francisco, California." January 8.

Tetra Tech. 2002b. "Statement of Work, Subcontract No. 02KM-S0006, Analytical Services for Hunters Point Shipyard, Parcel E, Nonstandard Data Gaps Investigation." March.

U.S. Environmental Protection Agency. 1995. "Statement of Work for Inorganic Analyses Multi-Media Multi-Concentration." Document Number OLM04.

EPA. 1996. "Method 3C – Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources." *Federal Register*. June.

EPA. 1998a. "EPA Guidance for Quality Assurance Project Plans." EPA QA/G-5 (EPA/600/R-98/018). Quality Assurance Management Staff. Washington, DC. February.

EPA. 1998b. "EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, External Review Draft Final." EPA QA/R-5. Quality Assurance Management Staff. Washington, DC. October.

EPA. 1999a. "Compendium Method TO-14A, Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using Specially Prepared Canisters With Subsequent Analysis by Gas Chromatography." January.

EPA. 1999b. "Contract Laboratory Program National Functional Guidelines for Organic Data Review." EPA-540/R-99-008. February.

EPA. 1999c. "Compendium Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)." January.

EPA. 2000a. "Method 25C - Determination of Nonmethane Organic Compounds (NMOC) in Landfill Gas." *Federal Register*. February.

EPA. 2000b. "Guidance for the Data Quality Objective Process." Final. EPA QA/G4.

TABLES

TABLE H-1: DATA VALIDATION QUALIFIERS AND COMMENT CODES

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E
Hunters Point Shipyard, San Francisco, California

Qualifier	Description
U1	Compound is nondetected because of laboratory blank contamination
U2	Compound is nondetected because of field blank contamination
U4	Compound is nondetected because of common laboratory contamination
J	Result is greater than the detection limit but less than the reporting limit (just "J"; no subqualifier number exists)
J1/UJ1/R3	Compound is estimated or rejected because of noncompliant instrument performance criteria
J2/UJ2	Matrix duplicate
J3/UJ3/R2	Accuracy – blank spike, surrogate spike, matrix spike
J4/UJ4	Serial dilution
J5/UJ5/R1	Holding time
J7/UJ7/R7	Initial and continuing calibration
J8	Exceeds calibration range
J9/UJ9	Organics: percent difference (%D) between columns Inorganics: interference check samples
J0/UJ0/R0	Internal standards
G, D, M, L, H, and Z	TPH identification qualifiers in accordance with the statement of work
Y	Benzo(b)fluoranthene quantitated as the total of benzo(b)- and benzo(k)fluoranthene

Notes:

D Diesel
G Gasoline
J Estimated result
H In the heavier hydrocarbon end of the analyte's range in the standard
L In the lighter hydrocarbon end of the analyte's range in the standard
M Motor oil
R Rejected result
TPH Total petroleum hydrocarbons
U Nondetected result
Y Benzo(b)fluoranthene quantitated as the total of benzo(b)- and benzo(k)fluoranthene
Z Pattern does not resemble TPH

Sources:

Tetra Tech EM Inc. 2001. "Data Validation Guidelines." August.
U.S. Environmental Protection Agency. 1995. "Statement of Work for Inorganic Analyses Multi-Media Multi-Concentration." Document Number OLM04.

TABLE H-2: DATA VALIDATION CRITERIA

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Analysis	Description	
Holding Time Criteria		
VOCs[a,b,c]	Air: J5/UJ5 if HT exceeded by ≤ 30 days R1 if HT exceeded by > 30 days	
Nonmethane Organic Carbon[b,d]	Air: J5/UJ5 if HT exceeded by ≤ 30 days R1 if HT exceeded by > 30 days	
Carbon Dioxide, Carbon Monoxide, Methane, Nitrogen, and Oxygen[b,e]	Air: J5/UJ5 if HT exceeded by ≤ 30 days R1 if HT exceeded by > 30 days	
Blank Contamination Criteria		
Calibration Blank	The purpose is to evaluate analytical instruments for possible laboratory contamination.	
Method Blank	The purpose is to evaluate preparation procedures for possible laboratory contamination.	
Field Blank	The purpose is to evaluate contamination due to field conditions or ambient air intrusion.	
All Analyses[a]	Positive results are reported only if the sample concentration exceeds the concentration in any associated blank by 10 times for analytes recognized as common laboratory contaminants or by 5 times for other analytes.	
Laboratory Duplicate Sample Criteria		
All Methods[b]	Air	
Analytes > 5 × CRDL	RPD ± 35%	
Analytes < 5 × CRDL	RPD ± 2 × CRDL	
Surrogate Recovery Criteria		
VOCs[a,c]	Air Recovery Limits	
1,2-Dichloroethane-d4	70-130	
Bromofluorobenzene	70-130	
Toluene-d8	70-130	
Nonmethane Organic Carbon	Not required	Not required
Carbon Dioxide, Carbon Monoxide, Methane, Nitrogen, and Oxygen	Not required	Not required

TABLE H-2: DATA VALIDATION CRITERIA (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Analysis	Description
Spike Recovery Criteria	
VOCs[a,c]	Air Recovery/RPD Limits
1,1-Dichloroethene	70-130/30
Benzene	70-130/30
Chlorobenzene	70-130/30
Toluene	70-130/30
Trichloroethene	70-130/30
Nonmethane Organic Carbon[d]	LCS recovery limits: 70-130 MS/MSD recovery and RPD limits: 70-130/30
Carbon Dioxide, Carbon Monoxide, Methane, Nitrogen, and Oxygen[e]	LCS recovery limits: 70-130 MS/MSD recovery and RPD limits: 70-130/30
Calibration Criteria	
VOCs[a]	Initial Calibration (1) RRFs ≥ 0.05 (2) % RSD ≤ 30 Continuing Calibration (1) RRFs ≥ 0.05 (2) %D ≤ 25
Nonmethane Organic Carbon[b]	Initial Calibration %RSDs ≤ 20 or correlation coefficient (r) ≥ 0.995. Continuing Calibration %Ds ≤ 15
Carbon Dioxide, Carbon Monoxide, Methane, Nitrogen, and Oxygen[b]	Initial Calibration %RSDs ≤ 20 or correlation coefficient (r) ≥ 0.995. Continuing Calibration %Ds ≤ 15

TABLE H-2: DATA VALIDATION CRITERIA (Continued)

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Analysis	Description	
Instrument Performance Criteria		
VOCs[a]	Tuning with BFB, the following ion abundances should be obtained:	
	m/z = 50	8-40% of m/z = 95
	m/z = 75	30-66% of m/z = 95
	m/z = 95	base peak, 100% relative abundance
	m/z = 96	5-9% of m/z = 95
	m/z = 173	<2% of m/z = 174
	m/z = 174	50-120% of m/z = 95
	m/z = 175	4-9% of m/z = 174
	m/z = 176	93-101% of m/z = 174
	m/z = 177	5-9% of m/z = 176
Internal Standards Criteria		
VOCs[a]	(1) All sample internal standard area counts must be within - 50 to + 100 percent of the area counts in the associated calibration standard.	
	(2) All sample internal standard retention times must not vary more than + or - 30 seconds from the retention time of the associated calibration standard.	

Notes:

%D	Percent difference	J	Estimated result	RRF	Relative response factor
%RSD	Percent relative standard deviation	LCS	Laboratory control sample	RT	Retention time
BFB	Bromofluorobenzene	MS	Matrix spike	VOC	Volatile organic compound
CRDL	Contract-required detection limit	MSD	Matrix spike duplicate	U	Nondetected result
EPA	U.S. Environmental Protection Agency	m/z	mass-to-charge ratio		
HT	Holding time	RPD	Relative percent difference		

Sources:

a EPA. 1999b. "Contract Laboratory Program National Functional Guidelines for Organic Data Review." EPA-540/R-99-008. February.

b Tetra Tech EM Inc. (Tetra Tech). 1997. "Data Validation Guidelines." August.

c EPA. 1999a. "Compendium Method TO-14A, Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using Specially Prepared Canisters With Subsequent Analysis by Gas Chromatography." January.

d EPA. 2000a. "Method 25C – Determination of Nonmethane Organic Compounds (NMOC) in Landfill Gases." *Federal Register*. February Criteria from EPA Method 25C, February 2000

e EPA. 1996. "Method 3C – Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources." *Federal Register*. June.

TABLE H-3: SAMPLE CONTAINER, HOLDING TIME, AND PRESERVATIVE REQUIREMENTS

Draft Landfill Gas Time-Critical Removal Action Closeout Report, Parcel E, Hunters Point Shipyard, San Francisco, California

Analysis	Method	Matrix	Sample Container	Preservative	Holding Time
Air Samples					
Organic Compounds in Ambient Air	EPA TO-14A	Air	Summa™ canister	None	30 days
Nonmethane Organic Carbon	EPA 25C	Air	Summa™ canister	None	30 days
Landfill Gases	EPA 3C	Air	Summa™ canister	None	30 days

Note:

EPA U.S. Environmental Protection Agency

Sources:

EPA. 1996. "Method 3C – Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources." *Federal Register*. June.

EPA. 1999a. "Compendium Method TO-14A, Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using Specially Prepared Canisters With Subsequent Analysis by Gas Chromatography." January.

EPA. 2000a. "Method 25C – Determination of Nonmethane Organic Compounds (NMOC) in Landfill Gases." *Federal Register*. February.

ATTACHMENT H-1
DATA VALIDATION REPORTS

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016-0030306020708
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./9370A
Review Date:	November 13, 2002
Sample Delivery Group (SDG) No.:	HAN18

Sample Nos.:

EX1001	EX3001DL2	EX7001DL1	EX10001*	EX1I001DL1
EX1001DL1	EX5001	EX7001DL2	EX10001DL1*	EX1I001DL2
EX1001DL2	EX5001DL1	EX9001	EX10001DL2*	EX1E001MS
EX3001	EX5001DL2	EX9001DL1	EX1E001	EX1E001MSD
EX3001DL1	EX7001	EX9001DL2	EX1I001	EX1I001DL2DUP

* Full Validation Sample

Matrix: Air

Collection Date(s): October 4, 2002

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled “PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work” (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/UJ1/R3 System performance

J2/UJ2 Matrix Duplicate precision exceedance

J3/UJ3/R2 Accuracy exceedance in matrix spike, laboratory control sample (LCS), surrogate recovery

J4/UJ4 Serial dilution

J5/UJ5/R1 Holding time exceedance

J7/UJ7/R7 Initial and continuing Calibration exceedance

J8 Compound detected above calibration range

J9 Inorganics-ICP interference check sample / Organics - %D between columns

J0/UJ0/R0 Internal standard exceedance

U1 Method blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

Y Benzo(b)fluoranthene quantitated as the total of benzo(b) and benzo(k)fluoranthene

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN18

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)												
EX1001	Air	10/4/02			X												
EX3001	Air	10/4/02			X												
EX5001	Air	10/4/02			X												
EX7001	Air	10/4/02			X												
EX9001	Air	10/4/02			X												
EX10001	Air	10/4/02		Full	X												
EX1E001	Air	10/4/02	MS/MSD		X												
EX1I001	Air	10/4/02	DUP		X												

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
DUP = Matrix duplicate

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits with the exceptions listed below.

B. Due to surrogate recovery problems, the following detected results are qualified as estimated (J3).

• All volatile compounds in samples	EX1001 EX3001	EX5001 EX7001	EX1001DL1	EX5001DL1	EX1I001

The surrogates outside of QC limits are listed below.

Sample ID	Surrogate	% R	QC Limits
EX1001	Bromofluorobenzene	320	60-130%
EX3001	Bromofluorobenzene	180	60-130%
EX5001	Bromofluorobenzene	290	60-130%
EX7001	Bromofluorobenzene	310	60-130%
EX1001DL1	Bromofluorobenzene	140	60-130%
EX5001DL1	Bromofluorobenzene	140	60-130%
EX1I001	Bromofluorobenzene	140	60-130%

High percent recoveries indicate that detected results may be biased high.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample EX1E001. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample EX1E001. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No common laboratory contaminants were found in the samples. No volatile contaminants were found in the method blanks. No field blanks were identified in this SDG.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time with the exceptions listed below.

B. Due to severe internal standard problems, the following detected results are qualified as estimated and the nondetected results are rejected (J0/R0).

- Propylene, Dichlorodifluoromethane, Chloromethane, 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Vinyl chloride, 1,3-Butadiene, Chloroethane, Ethanol, Trichlorofluoromethane, Acetone, Isopropyl alcohol, 1,1-Dichloroethylene, Methylene chloride, Carbon disulfide, 1,1,2-Trichloro-1,2,2-Trifluoroethane, trans-1,2-Dichloroethylene, 1,1-Dichloroethane, Methyl-tert-butyl ether, Vinyl acetate, 2-Butanone, cis-1,2-Dichloroethene, Hexane, Chloroform, Tetrahydrofuran, 1,2-Dichloroethane, and 1,1,1-Trichloroethane in sample EX3001

The internal standard area counts in the samples listed above were less than one quarter of the reference standard and are listed below.

Sample	Internal Standard	Area	QC Limits
EX3001	Bromochloromethane	118111	332496.5-1329986

Internal standard area counts of less than 25% of the standard area count may indicate a severe loss in instrument sensitivity.

C. Due to internal standard problems, the following detected and nondetected results are qualified as estimated (J0/UJ0).

- Propylene, Dichlorodifluoromethane, Chloromethane, 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Vinyl chloride, 1,3-Butadiene, Chloroethane, Ethanol, Trichlorofluoromethane, Acetone, Isopropyl alcohol, 1,1-Dichloroethylene, Methylene chloride, Carbon disulfide, 1,1,2-Trichloro-1,2,2-Trifluoroethane, trans-1,2-Dichloroethylene, 1,1-Dichloroethane, Methyl-tert-butyl ether, Vinyl acetate, 2-Butanone, cis-1,2-

Dichloroethene, Hexane, Chloroform, Tetrahydrofuran, 1,2-Dichloroethane, and 1,1,1-Trichloroethane in sample EX7001

The internal standard area counts in the samples listed above were less than one half of the reference standard and are listed below.

Sample	Internal Standard	Area	QC Limits
EX7001	Bromochloromethane	203772	332496.5-1329986

Internal standard area counts of less than 50% of the standard area count may indicate a loss of instrument sensitivity.

D. Due to internal standard problems, the following detected and nondetected results are qualified as estimated (J0/UJ0).

- Propylene, Dichlorodifluoromethane, Chloromethane, 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Vinyl chloride, 1,3-Butadiene, Chloroethane, Ethanol, Trichlorofluoromethane, Acetone, Isopropyl alcohol, 1,1-Dichloroethylene, Methylene chloride, Carbon disulfide, 1,1,2-Trichloro-1,2,2-Trifluoroethane, trans-1,2-Dichloroethylene, 1,1-Dichloroethane, Methyl-tert-butyl ether, Vinyl acetate, 2-Butanone, cis-1,2-Dichloroethene, Hexane, Chloroform, Tetrahydrofuran, 1,2-Dichloroethane, and 1,1,1-Trichloroethane in sample EX3001 EX7001 EX9001 EX10001*

The internal standard retention times (RT) in the samples listed above were outside the RT window of the reference standard and are listed below.

Sample	Internal Standard	RT	RT Window
EX3001	Bromochloromethane	15.6	14.1-15.1
EX7001	Bromochloromethane	15.5	14.1-15.1
EX9001	Bromochloromethane	15.2	14.1-15.1
EX10001*	Bromochloromethane	15.3	14.1-15.1

Internal standard RTs outside of the standard RT window may indicate a loss of instrument sensitivity.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

• 2-Butanone, Hexane, and Tetrahydrofuran in sample			EX1001
• 2-Butanone and Tetrahydrofuran in samples	EX1001DL1 EX3001DL1 EX5001DL1	EX7001DL1 EX9001DL1 EX10001*	EX10001DL1* EX1I001
• Propylene, Acetone, 2-Butanone, and Tetrahydrofuran in sample			EX3001
• Tetrahydrofuran in sample			EX3001DL2
• Propylene, Acetone, 2-Butanone, Hexane, Tetrahydrofuran, Cyclohexane, and Heptane in sample			EX5001
• Chloroethane, Acetone, Carbon disulfide, 2-Butanone, Hexane, and Tetrahydrofuran in sample			EX7001
• Propylene, 2-Butanone, and Tetrahydrofuran in sample			EX9001
• Tetrahydrofuran in sample			EX1I001DL1

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples EX10001*, EX10001DL1*, and EX1001DL2*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check. with the exceptions listed below.

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct.

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested methods.

II. Usability

Volatile Organic Analysis

A. Due to severe problems in the internal standard in the volatile analysis, selected sample results were rejected. The findings were as follows:

- Due to internal standard area problems, Propylene, Dichlorodifluoromethane, Chloromethane, 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Vinyl chloride, 1,3-Butadiene, Chloroethane, Ethanol, Trichlorofluoromethane, Acetone, Isopropyl alcohol, 1,1-Dichloroethylene, Methylene chloride, Carbon disulfide, 1,1,2-Trichloro-1,2,2-Trifluoroethane, trans-1,2-Dichloroethylene, 1,1-Dichloroethane, Methyl-tert-butyl ether, Vinyl acetate, 2-Butanone, cis-1,2-Dichloroethene, Hexane, Chloroform, Tetrahydrofuran, 1,2-Dichloroethane, and 1,1,1-Trichloroethane nondetected results were rejected in sample EX3001.

B. Due to surrogate, internal standard, compound quantitation, and instrument performance check problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to surrogate recovery problems, all volatile detected results were qualified as estimated in seven samples.

- Due to internal standard area count and RT problems, Propylene, Dichlorodifluoromethane, Chloromethane, 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Vinyl chloride, 1,3-Butadiene, Chloroethane, Ethanol, Trichlorofluoromethane, Acetone, Isopropyl alcohol, 1,1-Dichloroethylene, Methylene chloride, Carbon disulfide, 1,1,2-Trichloro-1,2,2-Trifluoroethane, trans-1,2-Dichloroethylene, 1,1-Dichloroethane, Methyl-tert-butyl ether, Vinyl acetate, 2-Butanone, cis-1,2-Dichloroethene, Hexane, Chloroform, Tetrahydrofuran, 1,2-Dichloroethane, and 1,1,1-Trichloroethane detected results were qualified as estimated in one sample and Propylene, Dichlorodifluoromethane, Chloromethane, 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Vinyl chloride, 1,3-Butadiene, Chloroethane, Ethanol, Trichlorofluoromethane, Acetone, Isopropyl alcohol, 1,1-Dichloroethylene, Methylene chloride, Carbon disulfide, 1,1,2-Trichloro-1,2,2-Trifluoroethane, trans-1,2-Dichloroethylene, 1,1-Dichloroethane, Methyl-tert-butyl ether, Vinyl acetate, 2-Butanone, cis-1,2-Dichloroethene, Hexane, Chloroform, Tetrahydrofuran, 1,2-Dichloroethane, and 1,1,1-Trichloroethane results were qualified as estimated in four samples.

- All detected results reported below the RL were qualified as estimated.

- Due to compound quantitation problems, 2-Butanone detected results were qualified as estimated in thirteen samples, Hexane, Propylene, and Acetone detected results were qualified as estimated in three samples, Tetrahydrofuran detected results were qualified as estimated in fifteen samples, and Cyclohexane, Heptane, Chloroethane, and Carbon disulfide detected results were qualified as estimated in one sample.

C. Samples EX1001, EX3001, EX5001, EX7001, EX9001, EX10001*, and EX1I001 were diluted due to sample results exceeding the calibration range. For sample EX1001, all volatile results except 2-Butanone, Hexane, and Tetrahydrofuran should be considered the most usable. The Hexane results for sample EX1001DL1 should be considered the most usable. The 2-Butanone and Tetrahydrofuran results for sample EX1001DL2 should be considered the most usable. For sample EX3001, all volatile results should not be considered usable. The 2-Butanone and Tetrahydrofuran results for sample EX3001DL2 should be considered the most usable. All volatile results except 2-Butanone and Tetrahydrofuran for sample EX3001DL1 should be considered the most usable. For sample EX5001, all volatile results except Propylene, Acetone, 2-Butanone, Hexane, Tetrahydrofuran, Cyclohexane, and Heptane should be considered the most usable. The Propylene, Acetone, Hexane, Cyclohexane, and Heptane results for sample EX5001DL1 should be considered the most usable. The 2-Butanone and Tetrahydrofuran results for sample EX5001DL2 should be considered the most usable. For sample EX7001, all volatile results except Chloroethane, Acetone, Carbon disulfide, 2-Butanone, Hexane, and Tetrahydrofuran should be considered the most usable. The Chloroethane, Acetone, Carbon disulfide, and Hexane results for sample EX7001DL1 should be considered the most usable. The 2-Butanone and Tetrahydrofuran results for sample EX7001DL2 should be considered the most usable. For sample EX9001, all volatile results except Propylene, 2-Butanone, and Tetrahydrofuran should be considered the most usable. The Propylene results for sample EX9001DL1 should be considered the most usable. The 2-Butanone and Tetrahydrofuran results for sample EX9001DL2 should be considered the most usable. For sample EX10001*, all volatile results except 2-Butanone and Tetrahydrofuran should be considered the most usable. All volatile results for sample EX10001DL1* should not be considered usable. The 2-Butanone and Tetrahydrofuran results for sample EX10001DL2* should be considered the most usable. For sample EX1I001, all volatile results except 2-Butanone and Tetrahydrofuran should be considered the most usable. The 2-Butanone results for sample EX1I001DL1 should be considered the most usable. The Tetrahydrofuran results for sample EX1I001DL2 should be considered the most usable.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Sample results that were found to be rejected (R) are unusable for all purposes. Based upon the full data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016-0030306020708
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./9370C
Review Date:	November 14, 2002
Sample Delivery Group (SDG) No.:	HAN20

Sample Nos.: EX2I001 EX2I001DL EX2E001 EX2E001MS EX2E001MSD EX2E001DUP

* Full Validation Sample

Matrix: Air

Collection Date(s): October 9, 2002

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/UJ1/R3 System performance

J2/UJ2 Matrix Duplicate precision exceedance

J3/UJ3/R2 Accuracy exceedance in matrix spike, laboratory control sample (LCS), surrogate recovery

J4/UJ4 Serial dilution

J5/UJ5/R1 Holding time exceedance

J7/UJ7/R7 Initial and continuing Calibration exceedance

J8 Compound detected above calibration range

J9 Inorganics-ICP interference check sample / Organics - %D between columns

J0/UJ0/R0 Internal standard exceedance

U1 Method blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

Y Benzo(b)fluoranthene quantitated as the total of benzo(b) and benzo(k)fluoranthene

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN20

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)												
EX2I001	Air	10/9/02			X												
EX2E001	Air	10/9/02	MS/MSD/DUP		X												

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
DUP = Matrix duplicate

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample EX2E001. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample EX2E001. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No common laboratory contaminants were found in the samples. No volatile contaminants were found in the method blanks. No field blanks were identified in this SDG.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

- Tetrahydrofuran in sample EX2I001

The above listed sample results exceeded the calibration range.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested methods.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- All detected results reported below the RL were qualified as estimated.
- Due to compound quantitation problems, Tetrahydrofuran detected results were qualified as estimated in one sample.

C. Sample EX2I001 was diluted due to sample results exceeding the calibration range. For sample EX2I001, all volatile results except Tetrahydrofuran should be considered the most usable. The Tetrahydrofuran results for sample EX2I001DL should be considered the most usable.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.003.03.06.02.07.08
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./9518A
Review Date:	December 15, 2002
Sample Delivery Group (SDG) No.:	HAN21

Sample Nos.:

EX3I001*	EX4I001	EX5I001	EX5E001DL	EX6E001DL
EX3I001DL*	EX4I001DL	EX5I001DL	EX6I001	EX6E001MS
EX3I001DL2*	EX4I001DL2	EX5I001DL2	EX6I001DL	EX6E001MSD
EX3E001	EX4E001	EX5E001	EX6E001	EX6E001DUP

* Full Validation Sample

Matrix: Air

Collection Date(s): October 11 through October 23, 2002

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled “PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work” (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/UJ1/R3 System performance

J2/UJ2 Matrix Duplicate precision exceedance

J3/UJ3/R2 Accuracy exceedance in matrix spike, laboratory control sample (LCS), surrogate recovery

J4/UJ4 Serial dilution

J5/UJ5/R1 Holding time exceedance

J7/UJ7/R7 Initial and continuing Calibration exceedance

J8 Compound detected above calibration range

J9 Inorganics-ICP interference check sample / Organics - %D between columns

J0/UJ0/R0 Internal standard exceedance

U1 Method blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

Y Benzo(b)fluoranthene quantitated as the total of benzo(b) and benzo(k)fluoranthene

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN21

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)												
EX3I001	Air	10/11/02		Full	X												
EX3E001	Air	10/11/02			X												
EX4I001	Air	10/15/02			X												
EX4E001	Air	10/15/02			X												
EX5I001	Air	10/17/02			X												
EX5E001	Air	10/17/02			X												
EX6I001	Air	10/23/02			X												
EX6E001	Air	10/23/02	MS/MSD/DUP		X												

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
DUP = Matrix duplicate

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits with the exceptions listed below.

B. Due to surrogate recovery problems, the following detected results are qualified as estimated (J3).

- All volatile compounds in samples EX3I001* EX4I001 EX5I001 EX5I001DL EX6I001

The surrogates outside of QC limits are listed below.

Sample ID	Surrogate	% R	QC Limits
EX3I001*	Bromofluorobenzene	203	60-130%
EX4I001	Bromofluorobenzene	399	60-130%
EX5I001	Bromofluorobenzene	160	60-130%
EX5I001DL	Bromofluorobenzene	145	60-130%
EX6I001	Bromofluorobenzene	133	60-130%

High percent recoveries indicate that detected results may be biased high.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample EX6E001. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample EX6E001. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No common laboratory contaminants were found in the samples. No volatile contaminants were found in the method blanks. No field blanks were identified in this SDG.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

• Propylene, Acetone, 2-Butanone, and Tetrahydrofuran in samples			EX3I001*	
• Tetrahydrofuran in samples	EX3I001DL*	EX4I001DL	EX5I001	EX5I001DL
• Propylene and Tetrahydrofuran in sample	EX4I001			
• Chloromethane in sample	EX5E001			
• Propylene in samples	EX6I001	EX6I001DL	EX6E001	

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples EX3I001*, EX3I001DL*, and EX3I001DL2*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check. with the exceptions below.

B. Sample EX3I001DL2* was analyzed 2 hours and 36 minutes outside the 24 hour clock.
Sample EX4I001DL2 was analyzed 3 hours and 23 minutes outside the 24 hour clock.
Sample EX35001DL2 was analyzed 4 hours and 9 minutes outside the 24 hour clock.
Sample EX5E001DL was analyzed 1 hour and 4 minutes outside the 24 hour clock.
Sample EX6I001DL was analyzed 17 minutes outside the 24 hour clock.
Sample EX6E001DL was analyzed 1 hour and 50 minutes outside the 24 hour clock.

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct.

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested method with the exceptions listed below.

- Sample EX3I001DL2* was analyzed 2 hours and 36 minutes outside the 24 hour clock.
  Sample EX4I001DL2 was analyzed 3 hours and 23 minutes outside the 24 hour clock.
  Sample EX35001DL2 was analyzed 4 hours and 9 minutes outside the 24 hour clock.
  Sample EX5E001DL was analyzed 1 hour and 4 minutes outside the 24 hour clock.
  Sample EX6I001DL was analyzed 17 minutes outside the 24 hour clock.
  Sample EX6E001DL was analyzed 1 hour and 50 minutes outside the 24 hour clock

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to surrogate and compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to surrogate recovery problems, all volatile detected results were qualified as estimated in five samples.

- All detected results reported below the RL were qualified as estimated.

- Due to compound quantitation problems, Acetone, 2-Butanone, and Chloromethane detected results were qualified as estimated in one sample, Tetrahydrofuran detected results were qualified as estimated in six samples, and Propylene detected results were qualified as estimated in five samples.

C. Samples EX3I001*, EX4I001, EX5I001, EX5E001, EX6I001, and EX6E001 were diluted due to sample results exceeding the calibration range. For sample EX3I001*, all volatile results except Propylene, Acetone, 2-Butanone, and Tetrahydrofuran should be considered the most usable. The Propylene, Acetone, and 2-Butanone results for sample EX3I001DL* should be considered the most usable. The Tetrahydrofuran results for sample EX3I001DL2* should be considered the most usable. For sample EX4I001, all volatile results except Propylene and Tetrahydrofuran should be considered the most usable. The Propylene results for sample EX41I001DL should be considered the most usable. The Tetrahydrofuran results for sample EX4I001DL2 should be considered the most usable. For sample EX5I001, all volatile results except Tetrahydrofuran should be considered the most usable. The Tetrahydrofuran results for sample EX5I001DL2 should be considered the most usable. The volatile results for sample EX5I001DL should not be considered usable. For sample EX5E001, all volatile results except Chloromethane should be considered the most usable. The Chloromethane results for sample EX5E001DL should be considered the most usable. For samples EX6I001 and EX6E001, all volatile results except Propylene should be considered the most usable. The Propylene results for samples EX6I001DL and EX6E001DL should be considered the most usable.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.003.03.06.02.07.08
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./9518B
Review Date:	December 15, 2002
Sample Delivery Group (SDG) No.:	HAN22

Sample Nos.:

EX07I1001*	EX08I1001	EX09I1001	EX08I1001DUP	EX09E1001MSD
EX07E1001*	EX08E1001	EX09E1001	EX09E1001MS	EX09E1001DUP

* Full Validation Sample

Matrix: Air

Collection Date(s): October 25 through November 1, 2002

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/UJ1/R3 System performance

J2/UJ2 Matrix Duplicate precision exceedance

J3/UJ3/R2 Accuracy exceedance in matrix spike, laboratory control sample (LCS), surrogate recovery

J4/UJ4 Serial dilution

J5/UJ5/R1 Holding time exceedance

J7/UJ7/R7 Initial and continuing Calibration exceedance

J8 Compound detected above calibration range

J9 Inorganics-ICP interference check sample / Organics - %D between columns

J0/UJ0/R0 Internal standard exceedance

U1 Method blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

Y Benzo(b)fluoranthene quantitated as the total of benzo(b) and benzo(k)fluoranthene

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN22

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)												
EX07I1001	Air	10/25/02		Full	X												
EX07E1001	Air	10/25/02		Full	X												
EX08I1001	Air	10/30/02	DUP		X												
EX08E1001	Air	10/30/02			X												
EX09I1001	Air	11/1/02			X												
EX09E1001	Air	11/1/02	MS/MSD/DUP		X												

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
DUP = Matrix duplicate

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample EX09E1001. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on samples EX08I1001 and EX09E1001. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No common laboratory contaminants were found in the samples. No volatile contaminants were found in the method blanks. No field blanks were identified in this SDG.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

- Propylene in sample EX07E1001*

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples EX07I1001* and EX07E1001*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check..

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct.

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested method.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- All detected results reported below the RL were qualified as estimated.
- Due to compound quantitation problems, Propylene detected results were qualified as estimated in one sample.

C. No samples were reextracted or reanalyzed for volatile analysis in this SDG.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.003.03.06.02.07.08
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./9629B
Review Date:	January 8, 2003
Sample Delivery Group (SDG) No.:	HAN24

Sample Nos.:

EX10002*	EX6001DL	EX4001	EX2001	EX2001MS
EX10002DL*	EX5002	EX4001DL	EX1002	EX2001MSD
EX10003*	EX5002DL	EX3002	EX1002DL	EX2001DUP
EX10003DL*	GMP23001	EX3002DL	FB001	GMP22003DL
EX6001	GMP23001DL	GMP22003		

* Full Validation Sample

Matrix: Air

Collection Date(s): November 13, 2002

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/UJ1/R3 System performance

J2/UJ2 Matrix Duplicate precision exceedance

J3/UJ3/R2 Accuracy exceedance in matrix spike, laboratory control sample (LCS), surrogate recovery

J4/UJ4 Serial dilution

J5/UJ5/R1 Holding time exceedance

J7/UJ7/R7 Initial and continuing Calibration exceedance

J8 Compound detected above calibration range

J9 Inorganics-ICP interference check sample / Organics - %D between columns

J0/UJ0/R0 Internal standard exceedance

U1 Method blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

Y Benzo(b)fluoranthene quantitated as the total of benzo(b) and benzo(k)fluoranthene

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN24

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)												
EX10002	Air	11/13/02		Full	X												
EX10003	Air	11/13/02	Field duplicate of EX10002	Full	X												
EX6001	Air	11/13/02			X												
EX5002	Air	11/13/02			X												
GMP23001	Air	11/13/02			X												
EX4001	Air	11/13/02			X												
EX3002	Air	11/13/02			X												
GMP22003	Air	11/13/02			X												
EX2001	Air	11/13/02	MS/MSD/DUP		X												
EX1002	Air	11/13/02			X												
FB001	Air	11/13/02	Field blank		X												

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
DUP = Matrix duplicate

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits with the exceptions listed below.

B. Due to surrogate recovery problems, the following detected results are qualified as estimated (J3).

- All volatile compounds in samples EX5002 EX4001 GMP22003 GMP23001 EX3002 EX1002

The surrogates outside of QC limits are listed below.

Sample ID	Surrogate	% R	QC Limits
EX5002	Bromofluorobenzene	181	60-130%
GMP23001	Bromofluorobenzene	312	60-130%
EX4001	Bromofluorobenzene	176	60-130%
EX3002	Bromofluorobenzene	155	60-130%
GMP22003	Bromofluorobenzene	318	60-130%
EX1002	Bromofluorobenzene	185	60-130%

High percent recoveries indicate that detected results may be biased high.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample EX2001. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample EX2001. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to common laboratory contamination, the following results are considered nondetected (U4).

• Methylene chloride in samples	FB001	EX1002	EX1002DL
• Acetone in samples	EX10002DL*	EX10003DL*	EX2001
• 2-Butanone in samples	GMP23001DL	EX2001	

Acetone, Methylene chloride, and 2-Butanone are considered common laboratory contaminants when found at levels less than 5x the CRQL in environmental samples and not found in the associated blanks.

B. No volatile contaminants were found in the method blanks.

C. Due to field blank contamination, the following results are considered nondetected (U2).

• Propylene in samples	EX10002*	EX10003*		
• Chloromethane in samples	EX10002*	EX10003*	EX2001	EX1002
• Ethanol in samples	EX10002* EX10003DL* EX6001	EX5002 GMP23001 EX4001	GMP22003 EX2001	EX1002 GMP22003DL
• Acetone in sample	EX10003*			
• Toluene in sample	EX2001			

The following compounds were detected in the associated field blank at the concentrations noted below.

Field Blank ID	Compound	Concentration, ppbv/v
FB001	Propylene	0.94
FB001	Chloromethane	0.72
FB001	Ethanol	10
FB001	Acetone	6.9
FB001	Toluene	0.85

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. The following RPDs were obtained for the field duplicate samples EX10002* / EX10003*:

- 200% for Ethanol
- 200% for Methyl-tert-butyl-ether
- 200% for 1,3-Dichlorobenzene

The following RPDs were obtained for the field duplicate samples EX10002DL* / EX10003DL*:

- 200% for Propylene
- 59% for 1,2-Dichloro-1,1,2,2-tetrafluoroethane
- 55% for Ethanol
- 200% for Trichlorofluoromethane
- 200% for 1,1-Dichloroethene
- 91% for Hexane
- 56% for Benzene
- 200% for Heptane
- 200% for Styrene
- 110% for o-Xylene
- 158% for 4-Ethyltoluene
- 176% for 1,3,5-Trimethylbenzene
- 189% for 1,2,4-Trimethylbenzene
- 200% for Isopropyl alcohol
- 200% for Cyclohexane
- 200% for Trichloroethene
- 57% for Dichlorodifluoromethane

For air samples, the field RPD guideline is ± 50%. The data are not qualified on the basis of field duplicate results.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

- Tetrahydrofuran in samples EX10002* EX10003* EX1002
- Propylene and Acetone in samples EX6001 GMP23001 GMP22003
- Propylene, Chloromethane, Acetone, Carbon disulfide, and Tetrahydrofuran in sample EX5002
- Propylene, Acetone, and Tetrahydrofuran in sample EX4001
- Propylene and Tetrahydrofuran in sample EX3002

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples EX10002*, EX10002DL*, EX10003*, and EX10003DL*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check..

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct with the exceptions listed below.

B. The following detected result retention time (RT) were outside the QC limits as shown below.

Sample ID	Compound	QC Limits
EX10002*	Acetone and Ethanol	±0.06 of the Standard
EX10002DL*	Acetone and Ethanol	±0.06 of the Standard
EX10003*	Acetone	±0.06 of the Standard
EX10003DL*	Acetone, Ethanol, and Isopropyl alcohol	±0.06 of the Standard

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested method with the exceptions listed below.

- The following RT was outside the QC limits for Acetone and Ethanol for samples EX10002* and EX10002DL*, for Acetone for sample EX1003*, and for Acetone, Ethanol, and Isopropyl alcohol for sample EX10003DL*.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to common laboratory and field blank contamination, surrogate, and compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to common laboratory contamination problems, Methylene chloride and Acetone were qualified nondetect in three samples and 2-Butanone was qualified nondetect in two samples.

- Due to field blank contamination problems, Propylene was qualified nondetect in two samples, Chloromethane was qualified nondetect in four samples, Ethanol was qualified nondetect in ten samples, and Acetone and Toluene were qualified nondetect in one sample.

- Due to surrogate recovery problems, all volatile detected results were qualified as estimated in six samples.

- All detected results reported below the RL were qualified as estimated.

- Due to compound quantitation problems, Acetone detected results were qualified as estimated in five samples, Chloromethane and Carbon disulfide detected results were qualified as estimated in one sample, and Propylene and Tetrahydrofuran detected results were qualified as estimated in six samples.

C. Samples EX10002*, EX10003*, EX1002, EX6001, GMP23001, GMP22003, EX5002, EX4001, and EX3002 were diluted due to sample results exceeding the calibration range. For samples EX10002*, EX10003*, and EX1002, all volatile results except Tetrahydrofuran should be considered the most usable. The Tetrahydrofuran results for sample EX10002DL*, EX10003DL*, EX1002DL should be considered the most usable. For samples EX6001, GMP23001, and GMP22003, all volatile results except Propylene and Acetone should be considered the most usable. The Propylene and Acetone results for samples EX6001DL, GMP23001DL, and GMP22003DL should be considered the most usable. For sample EX5002, all volatile results except Propylene, Chloromethane, Acetone, Carbon disulfide, and Tetrahydrofuran should be considered the most usable. The Propylene, Chloromethane, Acetone, Carbon disulfide, and Tetrahydrofuran results for sample EX5002DL should be considered the most usable. For sample EX4001, all volatile results except Propylene, Acetone, and Tetrahydrofuran should be considered the most usable. The Propylene, Acetone, and Tetrahydrofuran results for sample EX4001DL should be considered the most usable. For sample EX3002, all volatile results except Propylene and Tetrahydrofuran should be considered the most usable. The Propylene and Tetrahydrofuran results for sample EX3002DL should be considered the most usable.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.003.03.06.02.07.08
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./9629D
Review Date:	January 9, 2003
Sample Delivery Group (SDG) No.:	HAN26

Sample Nos.:

EX10I001*	EX10E001*	EX1E002	EX2I002DL	EX2E002MS
EX10I001DL*	FB002	FB003	EX2E002	EX2E002MSD
EX10I002	EX1I002	EX2I002	FB004	EX2E002DUP
EX10I002DL	EX1I002DL			

* Full Validation Sample

Matrix: Air

Collection Date(s): November 15 through November 21, 2002

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/UJ1/R3 System performance

J2/UJ2 Matrix Duplicate precision exceedance

J3/UJ3/R2 Accuracy exceedance in matrix spike, laboratory control sample (LCS), surrogate recovery

J4/UJ4 Serial dilution

J5/UJ5/R1 Holding time exceedance

J7/UJ7/R7 Initial and continuing Calibration exceedance

J8 Compound detected above calibration range

J9 Inorganics-ICP interference check sample / Organics - %D between columns

J0/UJ0/R0 Internal standard exceedance

U1 Method blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

Y Benzo(b)fluoranthene quantitated as the total of benzo(b) and benzo(k)fluoranthene

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN26

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)												
EX10I001	Air	11/15/02		Full	X												
EX10I002	Air	11/15/02			X												
EX10E001	Air	11/15/02		Full	X												
FB002	Air	11/15/02	Field blank		X												
EX1I002	Air	11/18/02			X												
EX1E002	Air	11/18/02			X												
FB003	Air	11/18/02	Field blank		X												
EX2I002	Air	11/21/02			X												
EX2E002	Air	11/21/02	MS/MSD/DUP		X												
FB004	Air	11/21/02	Field blank		X												
					X												

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
DUP = Matrix duplicate

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits with the exceptions listed below.

B. Due to surrogate recovery problems, the following detected results are qualified as estimated (J3).

- All volatile compounds in samples EX1I002 EX2I002

The surrogates outside of QC limits are listed below.

Sample ID	Surrogate	% R	QC Limits
EX1I002	Bromofluorobenzene	176	60-130%
EX2I002	Bromofluorobenzene	306	60-130%

High percent recoveries indicate that detected results may be biased high.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample EX2E002. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample EX2E002. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to common laboratory contamination, the following results are considered nondetected (U4).

• Methylene chloride in samples	FB002	EX10I002	EX1I002DL	EX2I002DL
	FB003	EX10I002DL	EX1E002	EX2E002
	FB004	EX1I002	EX2I002	
• Acetone in samples	EX10I001*	EX10I001DL*	EX1E002	

- 2-Butanone in samples EX10I001DL* EX10I002DL

Acetone, Methylene chloride, and 2-Butanone are considered common laboratory contaminants when found at levels less than 5x the CRQL in environmental samples and not found in the associated blanks.

B. No volatile contaminants were found in the method blanks.

C. Due to field blank contamination, the following results are considered nondetected (U2).

• Propylene in samples	EX10I001*	EX10I001DL*	EX10I002	EX10I002DL
• Dichlorodifluoromethane in samples	EX10I001* EX10I001DL*	EX10I002 EX1I002DL	EX1E002	EX2E002
• Chloromethane in samples	EX10I001*	EX10I001DL*	EX10I002DL	EX10E001*
• Acetone in samples	EX10I002	EX10E001*	EX2E002	
• Hexane in samples	EX10I001DL*	EX10I002	EX10E001*	
• Cyclohexane in samples	EX10I001*	EX10I002		
• Toluene in samples	EX10I001* EX10I001DL*	EX10I002 EX10I002DL	EX10E001* EX1I002	EX2I002
• Ethylbenzene o-Xylene in sample		EX10I002		
• m,p-Xylenes in samples	EX10I001*	EX10I001DL*	EX10I002	

The following compounds were detected in the associated field blanks at the concentrations noted below.

Field Blank ID	Compound	Concentration, ppbv/v
FB002	Propylene	3.7
FB002	Dichlorodifluoromethane	0.77
FB002	Chloromethane	1.2
FB002	Acetone	12
FB002	Hexane	10.8
FB002	Cyclohexane	7.1
FB002	Toluene	26
FB002	Ethylbenzene	1.6
FB002	m,p-Xylenes	3.9
FB002	o-Xylene	1.3
FB003	Dichlorodifluoromethane	0.86
FB003	Toluene	2.1
FB004	Dichlorodifluoromethane	0.85
FB004	Acetone	8.6
FB004	Toluene	2.2

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

• Tetrahydrofuran in samples	EX10I001*	EX10I002
• Propylene and Ethanol in sample	EX2I002	

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples EX10I001*, EX10I001DL*, and EX10E001*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check..

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct with the exceptions listed below.

B. The following detected result retention time (RT) were outside the QC limits as shown below.

Sample ID	Compound	QC Limits
EX10I001*	Dichlorodifluoromethane, Chloromethane, Acetone, Methylene chloride, 2-Butanone and m,p-Xylenes	±0.06 of the Standard
EX10I001DL*	2-Butanone	±0.06 of the Standard

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested method with the exceptions listed below.

- The following RT was outside the QC limits for Dichlorodifluoromethane, Chloromethane, Acetone, Methylene chloride, 2-Butanone and m,p-Xylenes for sample EX10I001* and for 2-Butanone for sample EX10I001DL*.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to common laboratory and field blank contamination, surrogate, and compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to common laboratory contamination problems, Methylene chloride was qualified nondetect in eleven samples, Acetone was qualified nondetect in three samples, and 2-Butanone was qualified nondetect in two samples.

- Due to field blank contamination problems, Propylene and Chloromethane were qualified nondetect in four samples, Dichlorodifluoromethane was qualified nondetect in six samples, Acetone, Hexane, and m,p-Xylenes were qualified nondetect in three samples, Cyclohexane was qualified nondetect in two samples, Toluene was qualified nondetect in seven samples, and Ethylbenzene and o-Xylene were qualified nondetect in one sample.

- Due to surrogate recovery problems, all volatile detected results were qualified as estimated in two samples.

- All detected results reported below the RL were qualified as estimated.

- Due to compound quantitation problems, Tetrahydrofuran detected results were qualified as estimated in two sample and Propylene and Ethanol detected results were qualified as estimated in one sample.

C. Samples EX10I001*, EX10I002, and EX2I002 were diluted due to sample results exceeding the calibration range and sample EX1I002 was diluted due to surrogate recovery exceedance. For samples EX10I001* and EX10I002, all volatile results except Tetrahydrofuran should be considered the most usable. The Tetrahydrofuran results for sample EX10I001DL* and EX10I002DL should be considered the most usable. For sample EX1I002, all volatile results should be considered the most usable. The volatile results for sample EX1I002DL should not be considered usable. For sample EX2I002, all volatile results except Ethanol should be considered the most usable. The Ethanol results for sample EX2I002DL should be considered the most usable.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.003.03.06.02.07.08
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, Erlinda Rauto, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./10065A
Review Date:	April 2, 2003
Sample Delivery Group (SDG) No.:	HAN27

Sample Nos.:

FB005	GMP23002DL*	GMP25001DL	FB005MS	GMP26002MS
GMP22004*	GMP24001	GMP26001	FB005MSD	GMP26002MSD
GMP22004DL*	GMP24001DL	GMP26002	FB005DUP	GMP26002DUP
GMP23002*	GMP25001			

* Full Validation Sample

Matrix: Air

Collection Date(s): February 25, 2003

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

_____

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/R3 System performance

J2 Duplicate precision exceedance

J3/R2 Matrix spike, laboratory control sample (LCS), surrogate recovery exceedance

J4 Serial dilution

J5/R1 Holding time exceedance

J7/R7 Calibration exceedance

J8 Compound above calibration range

J9 ICP interference check sample

J0 Internal standard exceedance

U1 Laboratory blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN27

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)	3C	25C	25C (METHANE ONLY)									
FB005	Air	2/25/03	Field Blank, MS/MSD/DUP**		X	X**	X**										
GMP22004	Air	2/25/03		Full	X	X	X										
GMP23002	Air	2/25/03		Full	X	X	X										
GMP24001	Air	2/25/03			X	X		X									
GMP25001	Air	2/25/03			X	X		X									
GMP26001	Air	2/25/03			X	X	X										
GMP26002	Air	2/25/03	MS/MSD/DUP**		X**	X	X										

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
DUP = Matrix duplicate
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
HC = Hydrocarbons

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits with the exceptions listed below.

B. Due to surrogate recovery problems, the following detected results are qualified as estimated (J3).

- All volatile compounds in samples GMP22004* GMP23002* GMP24001 GMP25001

The surrogates outside of QC limits are listed below.

Sample ID	Surrogate	% R	QC Limits
GMP22004*	Bromofluorobenzene	825	60-135%
GMP23002*	Bromofluorobenzene	657	60-135%
GMP24001	Bromofluorobenzene	570	60-135%
GMP25001	Bromofluorobenzene	286	60-135%

High percent recoveries indicate that detected results may be biased high.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample GMP26002. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample GMP26002. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to common laboratory contamination, the following results are considered nondetected (U4).

- Methylene chloride in samples GMP22004* GMP24001 GMP25001 GMP26001 GMP22004DL* GMP24001DL GMP25001DL GMP26002

GMP23002*

- Acetone in sample GMP22004*

Acetone, Methylene chloride, and 2-Butanone are considered common laboratory contaminants when found at levels less than 5x the CRQL in environmental samples and not found in the associated blanks.

B. No volatile contaminants were found in the method blanks.

C. Due to field blank contamination, the following results are considered nondetected (U2).

• Propylene in samples	GMP26001	GMP26002	
• Dichlorodifluoromethane in samples	GMP23002*	GMP26001	GMP26002
• Chloromethane and Hexane in sample	GMP25001		
• Ethanol in sample	GMP23002*		
• Acetone in samples	GMP23002DL*	GMP24001	
• Trichlorofluoromethane in sample	GMP24001		
• 2-Butanone in samples	GMP23002*	GMP24001	
• Toluene in samples	GMP22004DL*		

The following compounds were detected in the associated field blank at the concentrations noted below.

Field Blank ID	Compound	Concentration, ppbv/v
FB005	Propylene	0.90
FB005	Dichlorodifluoromethane	0.82
FB005	Chloromethane	0.85
FB005	Ethanol	25
FB005	Acetone	21
FB005	Trichlorofluoromethane	4.2
FB005	2-Butanone	13
FB005	Hexane	2.7
FB005	Toluene	1.8

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time with the exceptions listed below.

B. Due to internal standard problems, the following detected and nondetected results are qualified as estimated (J0/UJ0).

• Bromoform, 1,1,2,2-Tetrachloroethane, Chlorobenzene, Ethylbenzene, Styrene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, m,p-Xylenes, o-Xylene, Benzyl chloride, and 4-Ethyltoluene in samples	GMP22004* GMP23002* GMP24001

The internal standard area counts in the samples listed above were less than one half of the reference standard and are listed below.

Sample	Internal Standard	Area	QC Limits
GMP22004*	Chlorobenzene-d5	406960	735065.5-2940262
GMP23002*	Chlorobenzene-d5	490545	735065.5-2940262
GMP24001	Chlorobenzene-d5	651420	735065.5-2940262

Internal standard area counts of less than 50% of the standard area count may indicate a loss of instrument sensitivity.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as estimated (J8).

- Propylene in samples GMP22004* GMP23002* GMP24001

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples GMP22004*, GMP22004DL*, GMP23002*, and GMP23002DL*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check.

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct with the exceptions listed below.

B. The following detected result retention time (RT) were outside the QC limits as shown below.

Sample ID	Compound	QC Limits
GMP23002*	Ethanol	±0.06 of the Standard
GMP23002DL*	Acetone	±0.06 of the Standard

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

FIXED GASES (O_2, N_2, CO, CO_2, and Methane) ANALYSIS (by EPA Method 3C)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. Surrogates were not required by the method.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample FB005. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample FB005. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to method blank contamination, the following results are considered nondetected (U1).

• Nitrogen in samples	FB005	GMP23002*	GMP25001	GMP26002
	GMP22004*	GMP24001	GMP26001	

The following compound was detected in the associated method blank at the concentration noted below.

Blank ID	Compound	Concentration
MBLK	Nitrogen	80%

Detected results less than 5x the blank contamination were qualified.

B. Due to field blank contamination, the following results are considered nondetected (U2).

• Oxygen in samples	GMP22004*	GMP24001	GMP26001	GMP26002
	GMP23002*	GMP25001		

The following compound was detected in the associated field blank at the concentration noted below.

Field Blank ID	Compound	Concentration

Field Blank ID	Compound	Concentration
FB005	Oxygen	21%

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration of compounds was performed as required by the method. The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 25.0% .

B. Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 25.0% QC limits.

VII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

VIII. Other Qualifications

A. No results were reported below the RL.

Full Validation Criteria for Samples GMP22004* and GMP23002*

IX. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated, with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

X. System Performance

A. The samples were evaluated for baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

XI. Compound Identification

A. Target compound identification was considered to be correct for samples GMP22004* and GMP23002*.

NON-METHANE HYDROCARBONS (TNMHC) and METHANE ANALYSIS
(by EPA Method 25C)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. Surrogates were not required by the method.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample FB005. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample FB005. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No non-methane hydrocarbon or methane contaminants were found in the method blanks. No samples were qualified based on the contaminants found in the field blank sample FB005.

VI. Calibrations

A. Initial calibration of compounds was performed as required by the method. The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

B. Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 25.0% QC limits.

VII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

VIII. Other Qualifications

A. No results were reported below the RL.

B. The following detected results are qualified as estimated (J8).

- Methane in sample GMP23002*

The above listed sample results exceeded the calibration range.

Full Validation Criteria for Samples GMP22004* and GMP23002*

IX. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated, with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

X. System Performance

A. The samples were evaluated for baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

XI. Compound Identification

A. Target compound identification was considered to be correct for samples GMP22004* and GMP23002*.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested method with the exceptions listed below.

- For the volatile analysis, the RRT was outside the QC limits for Ethanol for sample GMP23002* and the RRT was outside the QC limits for Acetone for sample GMP23002DL*.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to common laboratory and field blank contamination, surrogate, internal standard, and compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to common laboratory contamination problems, Methylene chloride was qualified nondetect in nine samples and Acetone was qualified nondetect in one sample.

- Due to field blank contamination problems, Propylene, Acetone, and 2-Butanone were qualified nondetect in two samples, Dichlorodifluoromethane was qualified nondetect in three samples, and Chloromethane, Ethanol, Trichlorofluoromethane, Hexane, and Toluene were qualified nondetect in one sample.

- Due to surrogate recovery problems, all volatile detected results were qualified as estimated in four samples.

- Due to internal standard area count problems, Bromoform, 1,1,2,2-Tetrachloroethane, Chlorobenzene, Ethylbenzene, Styrene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, m,p-Xylenes, o-Xylene, Benzyl chloride, and 4-Ethyltoluene results were qualified as estimated in three samples.

- All detected results reported below the RL were qualified as estimated.

- Due to compound quantitation problems, Propylene detected results were qualified as estimated in three samples.

C. Samples GMP22004*, GMP23002*, GMP24001, and GMP25001 were diluted due to surrogate recoveries outside the QC limits or sample results exceeding the calibration range. For samples GMP22004*, GMP23002*, and GMP24001 all volatile results except Propylene should be considered the most usable. The Propylene results for samples GMP22004DL*, GMP23002DL*, and GMP24001DL should be considered the most usable. For sample GMP25001, all volatile results except should be considered the most usable. The volatile results for sample GMP25001DL should not be considered usable.

Fixed Gases Analysis

A. No results for fixed gases analysis were rejected in this SDG.

B. Due to method blank and field blank contamination problems in the fixed gases analysis, several samples were qualified as estimated. The findings were as follows:

- Due to method blank contamination problems, Nitrogen was qualified nondetect in seven samples.
- Due to field blank contamination problems, Oxygen was qualified nondetect in six samples.

C. No samples were reextracted or reanalyzed for fixed gases analysis in this SDG.

Non-Methane Hydrocarbons and Methane Analysis

A. No results for non-methane hydrocarbons and methane analysis were rejected in this SDG.

B. Due to compound quantitation problems in the non-methane hydrocarbons and methane analysis, several samples were qualified as estimated. The findings were as follows:

- Due to compound quantitation problems, Methane detected results were qualified as estimated in one sample.

C. No samples were reextracted or reanalyzed for non-methane hydrocarbons and methane analysis in this SDG.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full and cursory data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.057.18.02
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Mavrakos, Erlinda Rauto, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./10066A
Review Date:	April 2, 2003
Sample Delivery Group (SDG) No.:	HAN28

Sample Nos.:

GMP19SG002	GMP15SG002	GMPFB004	GMP18SG002MS
GMP18SG002	GMP14SG002	GMP19SG002MS	GMP18SG002MSD
GMP17SG002	GMP13SG002*	GMP19SG002MSD	GMP18SG002DUP
GMP16SG003	GMP13SG003*	GMP19SG002DUP	

* Full Validation Sample

Matrix: Air

Collection Date(s): February 25, 2003

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

_____

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/R3 System performance

J2 Duplicate precision exceedance

J3/R2 Matrix spike, laboratory control sample (LCS), surrogate recovery exceedance

J4 Serial dilution

J5/R1 Holding time exceedance

J7/R7 Calibration exceedance

J8 Compound above calibration range

J9 ICP interference check sample

J0 Internal standard exceedance

U1 Laboratory blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN28

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)	3C	25C										
GMP19SG002	Air	2/25/03	MS/MSD/DUP**		X	X	X**										
GMP18SG002	Air	2/25/03	MS/MSD/DUP**		X	X**	X										
GMP17SG002	Air	2/25/03			X	X	X										
GMP16SG003	Air	2/25/03			X	X	X										
GMP15SG002	Air	2/25/03			X	X	X										
GMP14SG002	Air	2/25/03			X	X	X										
GMP13SG002	Air	2/25/03		Full	X	X	X										
GMP13SG003	Air	2/25/03		Full	X	X	X										
GMPFB004	Air	2/25/03			X	X	X										

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
DUP = Matrix duplicate
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
HC = Hydrocarbons

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample GMP26002. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample GMP26002. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to common laboratory contamination, the following results are considered nondetected (U4).

• Methylene chloride in samples	GMP19SG002 GMP18SG002	GMP17SG002 GMP15SG002	GMP13SG002*	GMPFB004
• Acetone in samples	GMP16SG003	GMP14SG002	GMP13SG002*	
• 2-Butanone in sample	GMP13SG003*			

Acetone, Methylene chloride, and 2-Butanone are considered common laboratory contaminants when found at levels less than 5x the CRQL in environmental samples and not found in the associated blanks.

B. No volatile contaminants were found in the method blanks.

C. Due to field blank contamination, the following results are considered nondetected (U2).

• Propylene in samples	GMP19SG002 GMP17SG002	GMP16SG003 GMP15SG002	GMP14SG002 GMP13SG002*	GMP13SG003*

• Dichlorodifluoromethane in samples		GMP19SG002 GMP18SG002 GMP17SG002	GMP16SG003 GMP15SG002 GMP14SG002	GMP13SG002* GMP13SG003*
• Ethanol in samples	GMP18SG002 GMP16SG003	GMP14SG002	GMP13SG002*	GMP13SG003*
• Acetone in samples	GMP13SG003*			
• Hexane in samples	GMP19SG002	GMP15SG002	GMP13SG002*	
• Toluene in samples	GMP19SG002 GMP16SG003	GMP14SG002	GMP13SG002*	GMP13SG003*

The following compounds were detected in the associated field blank at the concentrations noted below.

Field Blank ID	Compound	Concentration, ppbv/v
GMPFB004	Propylene	1.8
GMPFB004	Dichlorodifluoromethane	0.99
GMPFB004	Ethanol	3.4
GMPFB004	Acetone	3.6
GMPFB004	Hexane	1.2
GMPFB004	Toluene	2.1

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 25.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. The following results are qualified as estimated (J).

- All VOA detected results reported below the RL.

Detected results reported below the RL are considered to be qualitatively acceptable, but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

Full Validation Criteria for Samples GM13SG002* and GMP13SG003*

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check.

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct with the exceptions listed below.

B. The following detected result retention time (RRT) were outside the QC limits as shown below.

Sample ID	Compound	QC Limits
GMP13SG002*	Ethanol	±0.06 of the Standard
GMP13SG002*	Acetone	±0.06 of the Standard
GMP13SG003*	Ethanol	±0.06 of the Standard
GMP13SG003*	Acetone	±0.06 of the Standard
GMP13SG003*	2-Butanone	±0.06 of the Standard
GMP13SG003*	Tetrahydrofuran	±0.06 of the Standard

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

FIXED GASES (O_2, N_2, CO, CO_2, and Methane) ANALYSIS (by EPA Method 3C)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. Surrogates were not required by the method.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample GMP18SG002. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample GMP18SG002. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to method blank contamination, the following results are considered nondetected (U1).

• Nitrogen in samples	GMP19SG002	GMP16SG003	GMP14SG002	GMP13SG003*
	GMP18SG002	GMP15SG002	GMP13SG002*	GMPFB004
	GMP17SG002			

The following compound was detected in the associated method blank at the concentration noted below.

Blank ID	Compound	Concentration
MBLK (2/27/03)	Nitrogen	80.2%
MBLK (2/28/03)	Nitrogen	78.7%

Detected results less than 5x the blank contamination were qualified.

B. Due to field blank contamination, the following results are considered nondetected (U2).

• Oxygen in samples	GMP19SG002	GMP17SG002	GMP15SG002	GMP13SG002*
	GMP18SG002	GMP16SG003	GMP14SG002	GMP13SG003*

The following compound was detected in the associated field blank at the concentration noted below.

Field Blank ID	Compound	Concentration
GMPFB004	Oxygen	22%

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration of compounds was performed as required by the method. The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 25.0% .

B. Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 25.0% QC limits.

VII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

VIII. Other Qualifications

A. No results were reported below the RL.

Full Validation Criteria for Samples GMP13SG002* and GMP13SG003*

IX. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated, with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

X. System Performance

A. The samples were evaluated for baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

XI. Compound Identification

A. Target compound identification was considered to be correct for samples GMP13SG002* and GMP13SG003*.

NON-METHANE HYDROCARBONS (TNMHC) and METHANE ANALYSIS
(by EPA Method 25C)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. Surrogates were not required by the method.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample GMP19SG002. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample GMP19SG002. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No non-methane hydrocarbon or methane contaminants were found in the method blanks. No samples were qualified based on the contaminants found in the field blank sample GMPFB004.

VI. Calibrations

A. Initial calibration of compounds was performed as required by the method. The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

B. Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 25.0% QC limits.

VII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

VIII. Other Qualifications

A. No results were reported below the RL.

Full Validation Criteria for Samples GMP13SG002* and GMP13SG003*

IX. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated, with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

X. System Performance

A. The samples were evaluated for baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

XI. Compound Identification

A. Target compound identification was considered to be correct for samples GMP13SG002* and GMP13SG003*.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested method with the exceptions listed below.

- For the volatile analysis, the RRT was outside the QC limits for Ethanol and Acetone for samples GMP13SG002* and GMP13SG003* and the RRT was outside the QC limits for 2-Butanone and Tetrahydrofuran for sample GMP13SG003*.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to common laboratory and field blank contamination, surrogate, internal standard, and compound quantitation problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to common laboratory contamination problems, Methylene chloride was qualified nondetect in six samples, Acetone was qualified nondetect in three samples, and 2-Butanone was qualified nondetect in one sample.

- Due to field blank contamination problems, Propylene was qualified nondetect in seven samples, Dichlorodifluoromethane was qualified nondetect in eight samples, Ethanol and Toluene were qualified nondetect in five samples, Acetone was qualified nondetect in one sample, and Hexane was qualified nondetect in three samples.

- All detected results reported below the RL were qualified as estimated.

C. No samples were reextracted or reanalyzed for fixed gases analysis in this SDG.

Fixed Gases Analysis

A. No results for fixed gases analysis were rejected in this SDG.

B. Due to method blank and field blank contamination problems in the fixed gases analysis, several samples were qualified as estimated. The findings were as follows:

- Due to method blank contamination problems, Nitrogen was qualified nondetect in nine samples.

- Due to field blank contamination problems, Oxygen was qualified nondetect in eight samples.

C. No samples were reextracted or reanalyzed for fixed gases analysis in this SDG.

Non-Methane Hydrocarbons and Methane Analysis

A. No results for non-methane hydrocarbons and methane analysis were rejected in this SDG.

B. No samples were reextracted or reanalyzed for non-methane hydrocarbons and methane analysis in this SDG.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full and cursory data validation, all other results are considered valid and usable for all purposes.

DATA VALIDATION REPORT

Site:	Hunters Point Shipyard, HPS, DO 003 Data Gaps Investigation
Contract Task Order (CTO) No.:	G9016.003.03.06.02.07.08
Laboratory:	Atmospheric Analysis & Consulting, Inc.
Data Reviewer:	Richard Amano, Stacey Swenson, Erlinda Rauto, and Pei Geng.
Firm/Proj. No:	Laboratory Data Consultants, Inc./10540A
Review Date:	July 9, 2003
Sample Delivery Group (SDG) No.:	HAN29

Sample Nos.:					
	FB006	GMP24002	GMP25003	FB006MS	GMP23003DUP
	GMP22005*	GMP24002RE	GMP25003DL	FB006MSD	GMP26003MS
	GMP22005DL*	GMP25002	GMP26003	FB006DUP	GMP26003MSD
	GMP23003	GMP25002RE	GMP26003RE	GMP22005DUP	GMP26003DUP

* Full Validation Sample

Matrix:	Air
Collection Date(s):	May 27, 2003

The data were qualified according to the U.S. Environmental Protection Agency (EPA) documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999). In addition, the Tetra Tech EMI, Inc. documents "Data Validation Guidelines for CLP Organic Analyses," "Data Validation Guidelines for Non-CLP Organic Analyses" (March 1997), and the document entitled "PRC Comprehensive Long-term Environmental Action Navy II Analytical Services Statement of Work" (September 1998) were used along with other specified criteria in EPA methods. Data validation requirements are presented below.

I certify that all data validation criteria outlined in the above referenced documents were assessed, and any qualifications made to the data were in accordance with those documents.

_____

Certified by Richard Amano
Principal Chemist

DATA VALIDATION REQUIREMENTS

Full validation includes all parameters listed below. Cursory validation parameters are indicated by an asterisk (*).

CLP Organic Parameters

*	Holding times
	GC/MS instrument performance check
*	Initial and continuing calibrations
*	Blanks
*	Surrogate recovery
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Internal standard performance
	Target compound identification
	Tentatively identified compounds
	Compound quantitation
	Reported detection limits
	System performance
*	Overall assessment of data for the SDG

CLP Inorganic Parameters

*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
	ICP interference check sample
	GFAA quality control
*	ICP serial dilution
	Sample result verification
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

Non-CLP Organic and Inorganic Parameters

*	Method compliance
*	Holding times
*	Initial and continuing calibrations
*	Blanks
*	Matrix spike/matrix spike duplicate
*	Laboratory control sample or blank spike
*	Field duplicates
*	Matrix duplicates
*	Surrogate recovery
	Analyte quantitation
	Reported detection limits
*	Overall assessment of data for the SDG

DATA VALIDATION QUALIFIERS AND CODES

Data Validation Qualifiers

UJ Estimated nondetected result

J Estimated detected result

R Rejected result

NJ Tentatively Identified Compound (TIC)

Data Validation Qualifier Codes

J1/R3 System performance

J2 Duplicate precision exceedance

J3/R2 Matrix spike, laboratory control sample (LCS), surrogate recovery exceedance

J4 Serial dilution

J5/R1 Holding time exceedance

J7/R7 Calibration exceedance

J8 Compound above calibration range

J9 ICP interference check sample

J0 Internal standard exceedance

U1 Laboratory blank contamination

U2 Field blank contamination

U4 Common laboratory contamination

G, D, M, L, H, Z TPH qualifiers

TABLE 1
SAMPLE CROSS REFERENCE TABLE
SAMPLE DELIVERY GROUP HAN29

Sample ID	Matrix	Date Collected	Quality Control ID	Validation Criteria*	Analyses												
					VOC (TO15)	3C											
FB006	Air	5/27/03	Field Blank, MS/MSD/DUP**		X	X**											
GMP22005	Air	5/27/03	DUP**	Full	X**	X											
GMP23003	Air	5/27/03	DUP**		X**	X											
GMP24002	Air	5/27/03			X	X											
GMP25002	Air	5/27/03			X	X											
GMP25003	Air	5/27/03			X	X											
GMP26003	Air	5/27/03	MS/MSD/DUP**		X**	X											

* = Cursory validation performed on all samples
** = MS/MSD/DUP performed on indicated parameters only
DUP = Matrix duplicate
*** = Full review performed on indicated parameters only
VOC = Volatile Organic Compounds
MS/MSD = Matrix Spike/Matrix Spike Duplicate
HC = Hydrocarbons

DATA ASSESSMENT

VOLATILE ORGANIC ANALYSIS (EPA Method TO-15)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. The surrogate percent recoveries (%R) were within the QC limits with the exceptions listed below.

B. Due to surrogate recovery problems, the following detected results are qualified as estimated (J3).

- All volatile compounds in samples GMP22005* GMP25003

The surrogates outside of QC limits are listed below.

Sample ID	Surrogate	% R	QC Limits
GMP22005*	Bromofluorobenzene	198	48-151%
GMP25003	Bromofluorobenzene	160	48-151%

High percent recoveries indicate that detected results may be biased high.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample GMP26003. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on samples GMP22005, GMP23003, and GMP26003. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. Due to common laboratory contamination, the following results are considered nondetected (U4).

- Methylene chloride in sample FB006
- 2-Butanone in samples GMP24002 GMP24002RE

Acetone, Methylene chloride, and 2-Butanone are considered common laboratory contaminants when found at levels less than 5x the CRQL in environmental samples and not found in the associated blanks.

B. No volatile contaminants were found in the method blanks.

C. Due to field blank contamination, the following results are considered nondetected (U2).

- Cyclohexane in samples GMP25002 GMP25002RE GMP25003 GMP25003DL

The following compounds were detected in the associated field blank at the concentrations noted below.

Field Blank ID	Compound	Concentration, ppbv/v
FB006	Cyclohexane	7.9

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration was performed using required standard concentrations. Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all volatile compounds for all volatile compounds.

B. Continuing calibration was performed at the required frequencies as stated in the method. All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

VII. Internal Standards

A. All internal standard area counts were within -50% to +100% of the associated calibration standard and retention times were ±30 seconds of the associated calibration standard retention time.

VIII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

IX. Other Qualifications

A. No results were reported below the RL.

Full Validation Criteria for Samples GMP22005 and GMP22005DL**

X. GC/MS Instrument Performance Checks

A. The ion abundance criteria were met for the bromofluorobenzene (BFB) GC/MS instrument performance check. The samples were analyzed within 24 hours of the associated instrument performance check..

XI. Target Compound List (TCL) Identification

A. The relative retention times, mass spectra, and peak identifications of the samples were evaluated. Target compound identification was considered to be correct.

XII. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

XIII. Tentatively Identified Compounds (TICs)

A. The TIC library searches were not performed for this SDG.

XIV. System Performance

A. The samples were evaluated for reconstructed ion chromatogram (RIC) baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

FIXED GASES (O_2, N_2, CO, CO_2, and Methane) ANALYSIS (by EPA Method 3C)

I. Holding Times

A. The 30 day analysis holding time requirement for air samples in summa-cannisters was met.

II. Surrogate Recovery

A. Surrogates were not required by the method.

III. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A The MS/MSD analysis was performed on sample FB006. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

B The DUP analysis was performed on sample FB006. The relative percent differences (RPD) were within the QC limits.

IV. Blank Spike or Laboratory Control Sample (LCS)

A. The LCS QC samples were analyzed as required under the TTEMI SOW. The percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

V. Blank Contamination

A. No fixed gases contaminants were found in the method blanks.

B. Due to field blank contamination, the following results are considered nondetected (U2).

• Oxygen in samples	GMP22005*	GMP24002	GMP25003	GMP26003
	GMP23003	GMP25002		
• Nitrogen in samples	GMP24002	GMP25003	GMP26003	GMP25002

The following compounds was detected in the associated field blank at the concentration noted below.

Field Blank ID	Compound	Concentration
FB006	Oxygen	22%
FB006	Nitrogen	78%

Detected results less than 5x the blank contamination were qualified.

VI. Calibrations

A. Initial calibration of compounds was performed as required by the method. The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 25.0% .

B. Calibration verification was performed at required frequencies. The relative percent differences (RPD) of amounts in continuing standard mixtures were within the 25.0% QC limits.

VII. Field Duplicate

A. No field duplicate samples were identified in this SDG.

VIII. Other Qualifications

A. No results were reported below the RL.

Full Validation Criteria for Sample GMP22005*

IX. Compound Quantitation and Reported Detection Limits

A. Sample results were recalculated, with the proper dilution factors, weights, volumes, and percent moisture used to calculate the sample results. The samples were found to be correctly quantitated. The reported detection limits were consistent with Tetra Tech EMI's required report limits and reflect any dilutions, weights, volumes, and percent moisture.

X. System Performance

A. The samples were evaluated for baseline shifts, extraneous peaks, loss of resolution, and peak tailing. No system degradation was noted.

XI. Compound Identification

A. Target compound identification was considered to be correct for sample GMP22005*.

OVERALL ASSESSMENT OF DATA

I. Method Compliance and Additional Comments

A. All analyses were conducted within all specifications of the requested methods.

II. Usability

Volatile Organic Analysis

A. No results for volatile analysis were rejected in this SDG.

B. Due to common laboratory and field blank contamination and surrogate problems in the volatile analysis, several samples were qualified as estimated. The findings were as follows:

- Due to common laboratory contamination problems, Methylene chloride was qualified nondetect in one sample and 2-Butanone was qualified nondetect in two samples.
- Due to field blank contamination problems, Cyclohexane was qualified nondetect in four samples.
- Due to surrogate recovery problems, all volatile detected results were qualified as estimated in two samples.

C. Samples GMP22005*, GMP24002, GMP25002, and GMP26003 was reanalyzed due to low surrogate recoveries and sample GMP25003 was diluted. Since the reanalyzed and diluted sample results did not improve, the original analyses should be considered the most usable.

Fixed Gases Analysis

A. No results for fixed gases analysis were rejected in this SDG.

B. Due to field blank contamination problems in the fixed gases analysis, several samples were qualified as estimated. The findings were as follows:

- Due to field blank contamination problems, Oxygen was qualified nondetect in six samples and Nitrogen was qualified nondetect in four samples.

C. No samples were reextracted or reanalyzed for fixed gases analysis in this SDG.

III. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the full and cursory data validation, all other results are considered valid and usable for all purposes.

APPENDIX I
LANDFILL GAS CONTROL SYSTEM MAINTENANCE

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ACRONMYMS AND ABBREVIATIONS

bgs	Below ground surface
GMP	Gas monitoring probe
HDPE	High-density polyethylene
Navy	U.S. Department of Navy
PVC	Polyvinyl chloride
TCRA	Time-critical removal action
UCSF	University of California, San Francisco

1.0 INTRODUCTION

This appendix to the landfill gas time-critical removal action (TCRA) closeout report describes investigation and maintenance activities related to the landfill gas control system. This appendix is intended as a supplement to the information presented in the closeout report and should be read in conjunction with the closeout report. The landfill gas control system includes a low-permeability, high-density polyethylene (HDPE) barrier with a high-permeability gravel venting trench and pipe system on the landfill side of the barrier. This allows for passive and active removal of landfill gas to prevent methane from migrating toward the University of California, San Francisco (UCSF) compound. Treatment systems are also added to the discharge of the pipe system as an added precaution to ensure that nonmethane organic compounds do not leave the site at unsafe levels. Figure I-1 presents a typical cross section of the landfill gas control system.

The landfill gas control system prevents landfill gas migration by a combination of venting and extracting gas from the venting trench. By venting and extracting, the system has successfully prevented gas migration from the landfill. However, the goal was to eventually only operate the system passively. During the TCRA, monitoring results identified a potential construction issue with the landfill gas control system that allowed landfill gas to migrate across the wall when extraction was taking place at EX-3.

Section 2.0 of this appendix summarizes the TCRA monitoring that identified landfill gas migrating beyond the control system. Section 3.0 identifies and evaluates the potential migration pathways for the landfill gas that migrated beyond the control system. Section 4.0 describes the investigation of the various possible methane migration scenarios. Section 5.0 discusses response actions involved in addressing the possible methane migration pathways. Section 6.0 describes the additional investigation and maintenance conducted at gas monitoring probe (GMP) 24. Section 7.0 describes the ongoing maintenance and monitoring activities.

2.0 OBSERVATIONS DURING THE TIME-CRITICAL REMOVAL ACTION

Monitoring data collected during the TCRA indicated potential leaks in the landfill gas control system. To assess these concerns, the U.S. Department of the Navy (Navy) evaluated existing data to determine the source of the increased methane levels and conducted preliminary extraction tests to identify the location of the problem at they system by correlating methane concentrations. The paragraphs below discuss the results of monitoring data.

Two rounds of gas extraction were performed under the TCRA. After the first round of extraction during the TCRA, methane levels at all UCSF GMPs were reduced below the intermediate TCRA goals established for the first round of extraction. However, during the second round of gas extraction at EX-3, methane levels did not decrease as expected or as observed at other GMPs across the site. During the second round of extraction, the methane level at EX-3 continued to rise, eventually increasing above the concentration observed before the TCRA was initiated and above concentrations observed at adjacent wells and GMPs. A corresponding increase was also observed in GMP01A, which is between the landfill gas control

system and EX-3. As extraction at EX-3 continued, methane levels at EX-2 and GMP22 also began to gradually rise.

In an effort to decrease methane levels on the north side of the landfill gas control system, the Navy began extracting gas from the venting trench through passive vent PV-01, which is located on the south side of the landfill gas control system. Figure I-2 shows the locations of the extraction wells, GMPs, passive vents, and the barrier. By balancing extraction rates from both PV-01 and EX-3, methane levels within the UCSF compound were reduced to below the final TCRA goals. The time sequence and spatial distribution of the rising methane indicated that it had been pulled north of the landfill gas control system by the extraction at EX-3 and then subsequently spread to adjacent wells and GMPs.

The rise in observed methane levels was probably not the result of a methane source on the UCSF compound, because methane-producing waste was not detected at the numerous borings installed on the UCSF compound during the previous soil gas investigation ("Final Parcel E Nonstandard Data Gaps Investigation, Landfill Gas Characterization, Hunters Point Shipyard, San Francisco, California," dated September 5, 2003). Also, methane from a small source within the UCSF compound would have been rapidly extracted with the high extraction rates (30 to 50 cubic feet per minute) used during the TCRA.

The most likely explanation for increased gas concentrations during the second round of gas extraction was a physical problem with the landfill gas control system that allowed methane to migrate through a tear in the barrier wall. In addition, it appeared that a preferential pathway was transmitting gas to EX-3 as rapidly as extraction was occurring.

The final TCRA goals were met on January 20, 2003, by continuing extraction from PV-01 in addition to the extraction wells. All extraction was stopped on both sides of the landfill gas control system, and weekly monitoring was initiated at all GMPs and extraction wells. No gas extraction occurred within the UCSF compound during the post-extraction monitoring period. Except for GMP01A, wells and GMPs did not exhibit rebound of methane concentrations above 5 percent during the 5-month post-extraction monitoring period.

The methane level at GMP01A began to rise within a week after extraction was stopped on January 20, 2003. This rise in methane is consistent with a possible tear in the barrier wall near GMP01A. By February 5, 2003, a methane concentration of 8.9 percent (by volume in air) was observed at GMP01A. Extraction from the vent trench through PV-01 was initiated on February 5, 2003, and the methane level at GMP01A dropped back down to nondetect by the next day, February 6, 2003.

On February 5, 2003, elevated levels of methane were also observed at GMP02A (2.0 percent) and GMP12 (2.5 percent). These two GMPs are beside GMP01A to the east and west, respectively. At these two GMPs, methane levels were lower than those seen at GMP01A, and the rise in methane was delayed compared with that in GMP01A. This observation indicated that methane might be migrating beyond the landfill gas control system when venting without extraction and then through the gravel backfill on the north side of the HDPE barrier.

Gas migration was effectively controlled by extracting gas from the venting trench through PV-01 at a low-flow rate, even with the suspected problem at the landfill gas control system, as indicated by methane in GMP01A, GMP02A, and GMP12. Weekly monitoring data shown on Figure I-3 demonstrate that venting from PV-01 has controlled methane migrations.

Potential preferential gas migration pathways were evaluated and maintenance activities were considered that would enhance the landfill gas control system's capability to use passive venting to further limit migration.

Initially, the existing extraction equipment were tested to determine if extraction from the vent trench was pulling residual methane across the landfill gas control system barrier from the UCSF compound, thereby lowering the methane concentrations on the northern side. To test this assumption, gas extraction from the venting trench through PV-01 was cycled on and off to determine if communication across the landfill gas control system existed. GMPs along the fence line, which are north of the landfill gas control system, were monitored to determine if changes in gas levels could be influenced because of the extraction from PV-01.

Results of the initial gas monitoring indicated that without extraction, the methane level at GMP01A began to rise within a week. Extraction from the vent trench appeared to have a direct impact on the concentrations at GMP01A, indicating that a potential migration pathway for methane existed between the vent trench and GMP01A. This scenario was repeated, and similar results were observed each time. Figure I-3 shows the methane concentrations in the GMPs during this testing.

3.0 EVALUATION OF POTENTIAL MIGRATION PATHWAYS

Because of the spacing of GMPs along the fence line, neither the cause nor the location of the potential migration pathway for methane could be positively determined using the existing GMPs and vent system. Several possible migration pathways were identified and used to determine cause and location of the potential methane gas migration.

3.1 SCENARIO 1: MIGRATION OF METHANE THROUGH THE LANDFILL GAS CONTROL SYSTEM BARRIER

The barrier was made of 4-foot-wide sheets of HDPE connected by interlocking seams. During construction, the potential existed for a tear in the HDPE wall or a broken seam to occur. Migration of methane gas through the barrier could occur at the interlocking seams between the 4-foot-wide sheets of HDPE, or somewhere along the 4-foot-wide sheets, if torn.

3.2 SCENARIO 2: MIGRATION OF METHANE ABOVE THE BARRIER

The landfill gas control system was initially designed so the top of the HDPE barrier would be 1 to 1.5 feet below the final ground surface and higher than the adjacent UCSF compound. A bentonite seal was installed above the barrier to limit methane from venting near the ground

surface. However, in one section of the wall, the HDPE barrier was installed several feet deeper than the design depth because of a concern during construction about the actual low water table elevation. In this 25- to 30-foot section, an additional 2 to 3 feet of bentonite was installed between the top of the HDPE barrier and the ground surface. Generally, this would not be an issue; however, if the bentonite had been poorly hydrated, methane might have migrated through cracks and passed above the barrier.

3.3 SCENARIO 3: MIGRATION OF METHANE BENEATH THE BARRIER

The bottom of the HDPE barrier was designed to be 2 feet below the historical low water table. The water table creates a liquid barrier, preventing significant migration of landfill gas beneath the HDPE barrier. If the water table had dropped lower than expected or if the wall had not been installed to design depth, the gas could migrate in the space between the bottom of the HDPE barrier and the water table.

3.4 SCENARIO 4: LOCAL SOURCE OF METHANE GENERATING WASTE ON THE UCSF SIDE OF THE BARRIER

A source of waste that was producing methane on the northern side of the landfill gas control system could cause the level of methane to rise at the fence line GMPs. The Navy did not consider this to be likely because waste was not encountered during the extensive probing performed during the nonstandard data gaps investigation study within the UCSF compound (see the "Final Parcel E Nonstandard Data Gaps Investigation, Landfill Gas Characterization, Hunters Point Shipyard, San Francisco, California," dated September 5, 2003). Also, only a large source of methane would have been able to produce methane continuously at the flow rates observed during the extraction phase. These facts seemed to indicate that methane was originating from within the landfill and migrating past the landfill gas control system. No other investigation was considered warranted for this scenario.

3.5 SCENARIO 5: MIGRATION OF METHANE THROUGH THE SAND/GRAVEL FILL AROUND THE END OF THE BARRIER

It was possible that methane could migrate along the vent trench, around the end of the HDPE barrier (near GMP10), and then travel along the gravel area north of the HDPE barrier to GMP01A, GMP12, and GMP02A. However, the Navy did not consider this to be probable because methane had not been detected at either GMP10 or GMP11A, both of which would have been encountered before GMP01A, GMP02A, or GMP12. Monitoring was continued at GMP10 and GMP11A, but no other investigation was considered warranted for this scenario.

4.0 INVESTIGATION OF POTENTIAL METHANE MIGRATION SCENARIOS

The Navy considered Scenarios 1, 2, and 3 to be potentially viable; therefore, these scenarios were further investigated. The Navy did not consider Scenarios 4 and 5 viable. The investigations for Scenarios 1, 2, and 3 included collecting groundwater level measurements at

various locations along the landfill gas control system and installing temporary gas probes along the HDPE barrier.

4.1 SCENARIO 1: MIGRATION OF METHANE THROUGH THE BARRIER, AND SCENARIO 2: MIGRATION OF METHANE ABOVE THE BARRIER

Scenarios 1 and 2 were investigated by installing and monitoring temporary gas probes within the vent trench on both the south and north side of the HDPE barrier. The temporary probes in the gravel near the barrier provided rapid response times and a better resolution for locating migrating gas. Shallow and deep temporary probes were installed to distinguish between gas migrating over or through the barrier.

In March 2003, the Navy installed temporary gas probes in the vent trench along the northwest corner of the barrier wall near GMP01A, GMP02A, and GMP12. The probes were installed in the gravel bed, on both the north and south sides of the barrier wall, approximately 1 to 2 feet from the barrier wall. Thirteen probes were installed within the vent trench. Six probes consisting of 0.75-inch polyvinyl chloride (PVC) were installed to a depth of 18 feet below ground surface (bgs): three on the north side of the barrier wall and three on the south side of the barrier wall adjacent to those on the north. Seven additional probes consisting of Teflon tubing with a 1.75-inch stainless-steel tip on the end were installed to a depth of 8 feet bgs: five on the north side and two on the south side of the barrier wall.

In April, May, and June 2003, additional temporary probes were installed. On April 14, nine temporary probes consisting of Teflon tubing with a 1.75-inch tip on the end were installed in the gravel backfill to a depth of 8 feet bgs. Six were installed on the north side of the barrier wall, and three were installed on the south side of the barrier wall. On May 20, two more temporary probes were installed to a depth of 8 feet bgs in the gravel backfill on the north side of the barrier wall. On June 4, five more temporary probes were installed to a depth of 8 feet bgs: four on the north side and one on the south side of the barrier wall.

The temporary gas probes were assigned unique alphanumeric identifiers. The numeric part of the identifiers was assigned sequentially along the length of the barrier wall, and the alphabetical part of the identifier indicated whether the probe was located shallow (S) or deep (D) and north (N) or south (S) of the barrier wall. For example, 10SN is the tenth probe along the barrier wall installed in the shallow range on the north side of the barrier wall. As additional probes were installed, probes were assigned identifiers such as 10.1SN and 10.2SN, indicating probes between two sequentially assigned probes. Therefore, 10.1SN is the first probe located between 10SN and 11SN, with 10.2SN being the second probe located between 10SN and 11SN, respectively. Certain probes were removed for various reasons. If a new probe was reinstalled in the same location, it was given the designation of an "R" at the end. For example, 5SNR is the replacement for the fifth probe along the barrier wall installed in the shallow range on the north side of the wall.

By installing multiple temporary probes, gas levels on opposite sides of the barrier could be monitored and any gas migrating through the wall could be found before it migrated along the gravel backfill on the north side of the barrier. In addition, if gas was migrating on the north side

of the wall from any other location and not originating from the landfill, these probes would provide additional information regarding the source and direction of methane. Figure I-4 shows the location of the temporary probes.

Once the temporary probes were installed, extraction was initiated from the vent trench to lower the methane levels to 0 percent in all north temporary probes. Extraction was then stopped to allow methane to rebound. Field instruments were used during monitoring to identify where and when methane levels rose first. On April 14, 2003, extraction began from the vent trench through PV-01, and on April 22, 2003, methane levels reached 0 percent in all probes on the north side of the trench. Extraction was stopped, and monitoring was conducted on an hourly basis for 13 hours at all of the temporary probes. Figures I-5 through I-8 show the results of the hourly monitoring.

The data indicated that methane appeared to be migrating across the barrier or through the bentonite seal in two specific locations. As expected, methane began venting from the vent trench though PV-01, and the methane concentration measured in the vent trench rose quickly within 1 hour and remained above 10 percent by volume. Methane was first detected on the north side of the barrier within 5 hours at probe 2SNR. Although some fluctuation occurred in many of the northern probes, methane levels above 10 percent were sustained near temporary probe 4.1SN, and a fluctuating level of between 5 and 10 percent was observed at probe 9SN until 10 hours into the test; at which time, methane remained above 10 percent at probe 9SN for the remainder of the test. The relatively short time required for gas to migrate to temporary probes 4.1SN and 9SN indicated a possible seam separation or a tear in the wall near these locations. However, because methane was only detected in the shallow probe locations, it was also possible that methane was passing over the barrier and through the bentonite seal. Even though high levels of methane were not sustained throughout the test at 2SNR, this area was identified as an area of concern because methane was observed early in the test.

4.2 SCENARIO 3: MIGRATION OF METHANE BENEATH THE BARRIER

To determine if gas may be migrating under the HDPE barrier and above the water table, water level measurements were collected from nearby monitoring wells and GMPs. The bottom elevation of the barrier wall was verified by the contractor's as-built drawings (presented in Appendix B of the closeout report), which were derived from survey data obtained during construction. Water level measurements confirmed that the bottom of the barrier was well below the water table. Figure I-2 shows the measured water table as compared with the installed bottom of the barrier. The comparison on Figure I-2 indicated it was unlikely that methane was migrating under the barrier. This scenario was eliminated from further consideration as a potential migration pathway for methane.

5.0 RESPONSE ACTION

The following options for addressing the two identified methane gas migration pathways were considered:

- Excavation and repair of the HDPE barrier
- Installation of a second, parallel HDPE barrier
- Rehydration of the bentonite seal
- Installation of a grout curtain in the gravel backfill north of the HDPE barrier

Installation of a grout curtain was selected to address Scenario 1 and rehydration of the bentonite seal to address Scenario 2. These two options were the most feasible for blocking the potential migration of methane. The risk of additional damage to the existing landfill gas control system was the primary basis for rejecting the other options. Sections 5.1 and 5.2 describe the installation of the grout curtain and bentonite rehydration, respectively.

5.1 GROUT CURTAIN INSTALLATION

A grout curtain was installed at four test locations on the north side of the barrier wall. Three locations were in the areas around temporary probes 4.1SN (Stations 12+16 to 11+76), 2SNR (Stations 11+35 to 11+00), and 9SN (Stations 13+59 to 13+09), respectively. During the rebound test on April 22, 2003, methane had migrated at these three locations. The fourth location was farther to the east between Stations 10+80 and 9+08. In June 2003, methane concentrations in one of the temporary probes (11.2SN) in this fourth area exceeded 33 percent by volume. Also in June 2003, methane concentrations in another probe in this fourth area (11.1SN) exceeded 15 percent by volume.

Between June 18 and June 30, 2003, pressure grouting was used to fill voids in the gravel and soil next to the northern side of the HDPE barrier wall and to seal any tears or separated seams. At each of the four locations, pipes were inserted 1 foot north of the HDPE barrier and every 5 feet along the entire length of the planned grout curtain.

The grout mixture consisted of cement, bentonite, and water. It was injected into the pipe, beginning at 17 feet bgs until any backpressure was observed. Once the pressure increased, the pipe was brought up 1 foot to 16 feet bgs and the process was repeated all the way up to 2 feet bgs.

The grout mixture and volume varied with depth because the pore space differs between the soil in the lower portion of the trench and the gravel channel near the surface. From 17 feet to 9 feet bgs, a less viscous material was injected. The less viscous grout contained a higher ratio of water to cement. The volume of grout injected from 17 to 9 feet bgs was about 1 cubic foot of grout per vertical foot. From 9 feet to 1 foot bgs, a more viscous material was injected. The more viscous grout had a lower water to cement ratio. The volume of grout injected from 9 to 1 foot bgs was about 2.5 cubic feet per vertical foot. Bentonite was added to grout mixes to reduce the tendency of grout to shrink while drying. The variations in grout mixtures and volumes (Attachment I1) injected were used to fill all the voids and properly seal the area north of the barrier.

To confirm that the injection method was effective, a hollow perforated pipe was inserted between some of the injection locations to monitor the grout movement between the injection locations. After grout injections occurred at adjacent locations, Teflon tubing was dropped down the perforated pipe to the bottom, then pulled back and inspected for the presence of grout. The presence of grout in the monitoring tube indicated that the grout was filling the space between injection points as expected.

Installation of the grout curtain plugged many of the temporary probes on the northern side of the barrier. Probes 10.1SN, 10.2SN, 11.2SN, 4SN, and 4.1SN were no longer functional and were removed. Although probe 9SN was not removed, it was partially obstructed, and monitoring was limited because field instruments used to monitor methane were unable to draw a sufficient volume of gas to record an accurate reading.

In August 2003, the grouted section between Stations 11+76 and 12+16 was inspected to observe the effectiveness of the grout injection along the barrier wall. A backhoe was used to expose the area, and grout was observed just below the ground surface at the injections points. A slight drop in the depth of the grout between the injection points was observed. The inspection indicated that the grouting activities in this area appeared to be effective because the grout successfully sealed against the barrier wall for the entire length of the grouted section.

5.1.1 Second Grouting Event

Additional grouting was performed based on the results of numerous rounds of methane monitoring collected from the GMPs and the temporary probes in the problem area. Immediately after the initial grouting activities, gas was extracted from the vent trench through PV-01 in an attempt to pull the grout against the barrier and into any tears or separations. Extraction continued for 1 month until the grout had sufficiently dried. During that time, methane levels in the fence line GMPs in the grouted area remained below 0.3 percent. After stopping extraction, methane was still migrating across the landfill gas control system and into the remaining northern temporary probes, although at a significantly reduced rate. After about 6 weeks, methane concentrations had increased to above 30 percent in a few of the northern temporary probes. Over this same period, methane concentrations increased to 1.3 percent in GMP02A. However, the levels in GMP01A did not rise significantly, which was a marked difference to the situation before grouting. This difference indicated that the grouting methods were successful, but that not all problem areas were addressed by the initial test grout sections. Based on the data, the grout curtain was extended between the sections that had already been grouted.

5.1.2 Additional Grout Curtain Installation

Additional grouting began on October 6, 2003, and concluded on October 10, 2003. The grouting activities occurred between the original four grouting areas within the problem areas. Grout injections occurred between Stations 13+10 and 12+08, Stations 11+65 and 11+38, and Stations 10+99 and 10+72.

The grouting procedures were conducted in the same manner as the initial grouting event in June 2003. These procedures are described in Section 5.1.

5.1.3 Results of Additional Grouting Event

During the second grouting event, the following temporary probes were grouted and obstructed: 1SN, 2SN, 2.1SN, 3DN, 5DN, 5SNR, 6SN, 7DN, 8SN, and 11.1SN. All of these temporary probes were subsequently removed.

Ongoing methane monitoring has occurred in the fence line GMPs located in both the initial and the additional grouted areas. The grouting activities appear to have been effective. The monitoring results in the fence line GMPs located in the grouted area have showed no increase in methane concentrations.

5.2 BENTONITE SEAL REHYDRATION

During installation of the landfill gas control system, the bentonite seal was created by pouring bentonite pellets over the gravel backfill on both sides of the HDPE barrier. The bentonite was then hydrated from the surface to create a seal. The seal prevented excessive venting of methane at the surface near the UCSF fence line. Because monitoring data indicated that methane was migrating at shallow depths, it was possible that the bentonite seal may not have been properly hydrated.

To determine whether the bentonite had been properly hydrated, three trenches were excavated to expose the top of the bentonite seal, allowing for inspection of the existing hydration and allowing for rehydration of the bentonite seal, as necessary. The location of the three trenches was based on monitoring data collected during the methane rebound test on April 22, 2003. This test showed potential problems in the areas around temporary probes 2SNR, 4.1SN, and 9SN. These are the three locations where methane first migrated across the barrier wall during the rebound test.

On May 6, 2003, three 50-foot trenches were excavated in the bentonite seal with a backhoe. The trenches were about 2.5 feet wide and were excavated to the top of the HDPE barrier, exposing the top of the barrier (1 to 2 feet bgs in most areas). Inspection of the bentonite seal indicated several areas of inadequate hydration, with bentonite pellets clearly visible. Inspection of the top of the barrier in each of these three trenches indicated only one minor visible separation (at Station 13+20) at the exposed top of the barrier.

The entire length of bentonite seal was rehydrated to eliminate this potential migration pathway. To rehydrate the bentonite seal, a water jet constructed of perforated PVC pipe was used to inject water into the bentonite seal at various depths. Initially, the hydration method was tested at the three trench locations. Water was injected every 6 inches along the bentonite seal on each side of the HDPE barrier to ensure that the bentonite seal was properly hydrated. Water was injected a multiple depths at each location to ensure that the entire thickness of the bentonite layer would

be hydrated. Once the water injections were completed on both sides of the barrier, the trench was then completely flooded and left overnight with standing water to further aid in proper hydration. The rehydration process for the remainder of the barrier was the same as that described previously for the three initial tests.

Based on subsequent monitoring, rehydrating the bentonite seal appeared to reduce gas migration from the landfill. After the bentonite seal was properly hydrated, methane migration across the barrier took much longer than during the test on April 22, 2003. However, methane still appeared to be migrating excessively through the barrier near temporary probe 4.1SN.

6.0 ADDITIONAL RESPONSE ACTIONS – GMP24 INVESTIGATION

Maintenance and response actions for the landfill gas control system are a continuous process. The Navy conducts monitoring to ensure that methane concentrations at fence line GMPs are below the limit of 5 percent methane by volume from Title 27 of the *California Code of Regulations*. If monitoring indicates methane concentrations have increased, the Navy proactively implements investigations and response actions, including extraction from the vent trench, as required. One such example was noted at GMP24. During September 2003, results of monitoring indicated a problem in GMP24, which is within the middle of UCSF compound, adjacent to Building 830 (Figure I-2). The sections below describe the steps taken by the Navy to investigate and correct the problem.

6.1 SUDDEN INCREASE IN METHANE AT GMP24

Methane concentrations in GMP24 increased from 0.2 on September 11, 2003, to 4.9 percent on September 26, 2003. During the previous 9 months, methane had remained low at GMP24. Concentrations in fence line GMPs, adjacent UCSF GMPs, and extraction wells did not show a corresponding increase in methane.

6.2 INVESTIGATIONS

After this increase in methane was discovered at GMP24, the Navy began an investigation into the cause of the increase was investigated and extraction was initiated from the vent trench through PV-02, which is the closest vent riser to GMP24. GMP24 is about 100 feet east and 5 feet north of the end of the previously grouted section of the landfill gas control system; therefore, it is not located near the grouted portion of the landfill gas control system. After three days of extraction from the vent trench, no effect on the methane level at GMP24 occurred. As a result, an investigation was initiated to identify whether a preferential pathway from the landfill or some other source was causing the increase in methane at GMP24.

6.2.1 Installation of Temporary Probes on UCSF Compound and Along Barrier

During the investigation, 28 temporary gas probes were installed by the direct-push method. These probes consisted of Teflon tubing and a 1.75-inch stainless steel tip on the end. The hole

was then backfilled with bentonite chips and hydrated with water. Of the temporary probes installed, four were placed within the gravel channel north of the HDPE barrier and one was placed south of the barrier within the vent trench. These five probes were installed to depths of between 2.25 to 7 feet bgs and were considered shallow probes.

The remaining 23 probes were installed on UCSF compound under the asphalt parking surface. Of the 23 probes, 13 were installed to a depth of 12 feet bgs and were considered deep probes. The remaining 10 were shallow probes installed at depths from 3.5 to 7 feet bgs.

The probes were installed to locate a migration pathway of methane to GMP24. Monitoring was conducted on a daily basis at all of the temporary probes and nearby GMPs after the probes were installed. Methane readings appeared stable and did not significantly fluctuate over the course of the 5-week investigation. All high methane detections were in a permeable zone located between 10 feet to 12 feet bgs. Temporary probes in shallower zones did not indicate high methane concentrations. The highest methane concentration detected was at 12 feet bgs, immediately around GMP24; however, methane concentrations rapidly dropped with distance in all directions from the probe. In all directions within 35 feet of GMP24, methane concentrations were below 0.5 percent. Figure I-9 shows the temporary probe locations and contours of the average methane readings during the investigation period. As shown on Figure I-9, no complete pathway for methane to the landfill was determined. However, the initial response action may have lowered methane concentrations near the wall, which may be why a pathway could not be identified during the investigation. No other clear source for the methane could be determined; however, methane concentrations measured in probe 45DN, at the northwest corner of Building 803, showed that the methane concentration remained at 0.0 percent, indicating methane was not migrating to the north toward Crisp Avenue.

6.2.2 Gas Extraction

After temporary probes were installed within the gravel trench and on the UCSF compound, extraction was initiated at various locations to identify if a preferential pathway from the landfill to GMP24 existed. Extraction was conducted at GMP24 to remove the methane from the GMP and surrounding area. As a result, methane concentrations in the GMP and all surrounding probes were lowered to below 2 percent within 3 days. Extraction was then initiated from the landfill side of the barrier at PV-02 and then again from the UCSF compound at GMP03A.

Through extraction from the different locations, the methane concentration in GMP24 was reduced to 0.3 percent on October 24, 2003.

6.3 POTENTIAL PATHWAYS

The cause of the sudden increase in methane concentrations was determined to be one of several possibilities. These possibilities include (1) the existence of a preferential pathway between the landfill gas control system and GMP24, (2) a leaking sanitary sewer line north of GMP24 that is

creating the methane being observed in GMP24, (3) a pocket of methane under Building 830 on the UCSF compound that was not removed during the TCRA, or (4) other possible explanations.

The Navy conducted a utility survey in the area between the landfill and GMP24. After the survey, 23 temporary probes were installed on the UCSF compound. No utilities were found near GMP24 during the survey or installation of the probe, which eliminated the possibility of a direct pathway from the landfill gas control system through a utility corridor.

Of the temporary probes installed on the UCSF compound, three were drilled north of GMP24, between the GMP and the sanitary sewer line servicing Building 830. During the investigation, methane was not detected in the probe closest to the sewer line, and methane levels at the other two probes did not approach the concentrations in GMP24. It does not appear likely that a leaking sewer line is the source of the methane discovered at GMP24.

Although methane was observed in the temporary probes immediately surrounding GMP24, current data cannot be used to determine whether a pocket of methane exists beneath Building 830. However, several temporary probes were installed immediately adjacent to the building at a depth approximately 1 foot below the building's bottom-of-slab depth. High levels of methane were not detected underneath and adjacent to the Building 830 slab. After extraction at GMP24, methane rebounded slightly to 1.2 percent, but then stabilized. Methane levels have not increased for 2.5 months, indicating a significant source of methane under the building or near GMP24 is not likely.

Other possible explanations exist. The methane may reflect a problem in the landfill gas control system farther to the east or methane may be migrating from around the grouted areas to the west. After the GMP24 investigation, the Navy did not perform extraction at all GMPs or the temporary probes for about 2.5 months to determine if methane would rebound. During this time, methane concentrations in GMP24 and in the temporary probes did not rebound. However, methane concentrations in some fence line GMPs to the east and in GMP25 to the east showed elevated concentrations of methane after 2.5 months. Subsequent extraction from the vent trench though PV-03 rapidly reduced concentrations in all fence line GMPs and in GMP25. Even though no rebound occurred in GMP24 or the surrounding temporary probes, given enough time, landfill gas may find a pathway to GMP24 from the east. However, any migration from the landfill can be easily controlled with the routine venting and extraction procedures being developed in the upcoming gas monitoring and control plan.

6.4 CONCLUSIONS

Methane was detected in the temporary probes around GMP24 at depths of 12 bgs and in GMP24, which has a screening interval between 6 and 13.5 feet bgs. Based on these data, it appears that an isolated pocket of methane existed around GMP24 at a depth of 10 to 12 feet bgs. Since the initial extraction and reduction of elevated methane, an increase in methane concentrations has not been observed in the GMPs and surrounding temporary probes, even after 2.5 months without extraction from the vent trench. Further investigation is not warranted because intermittent extraction appears to effectively control methane migration from the

landfill. The UCSF GMPs and the fence line GMPs should be monitored routinely, at least until the venting and extraction procedures being developed in the gas monitoring and control plan can be used to ensure the effectiveness and reliability of the landfill gas control system.

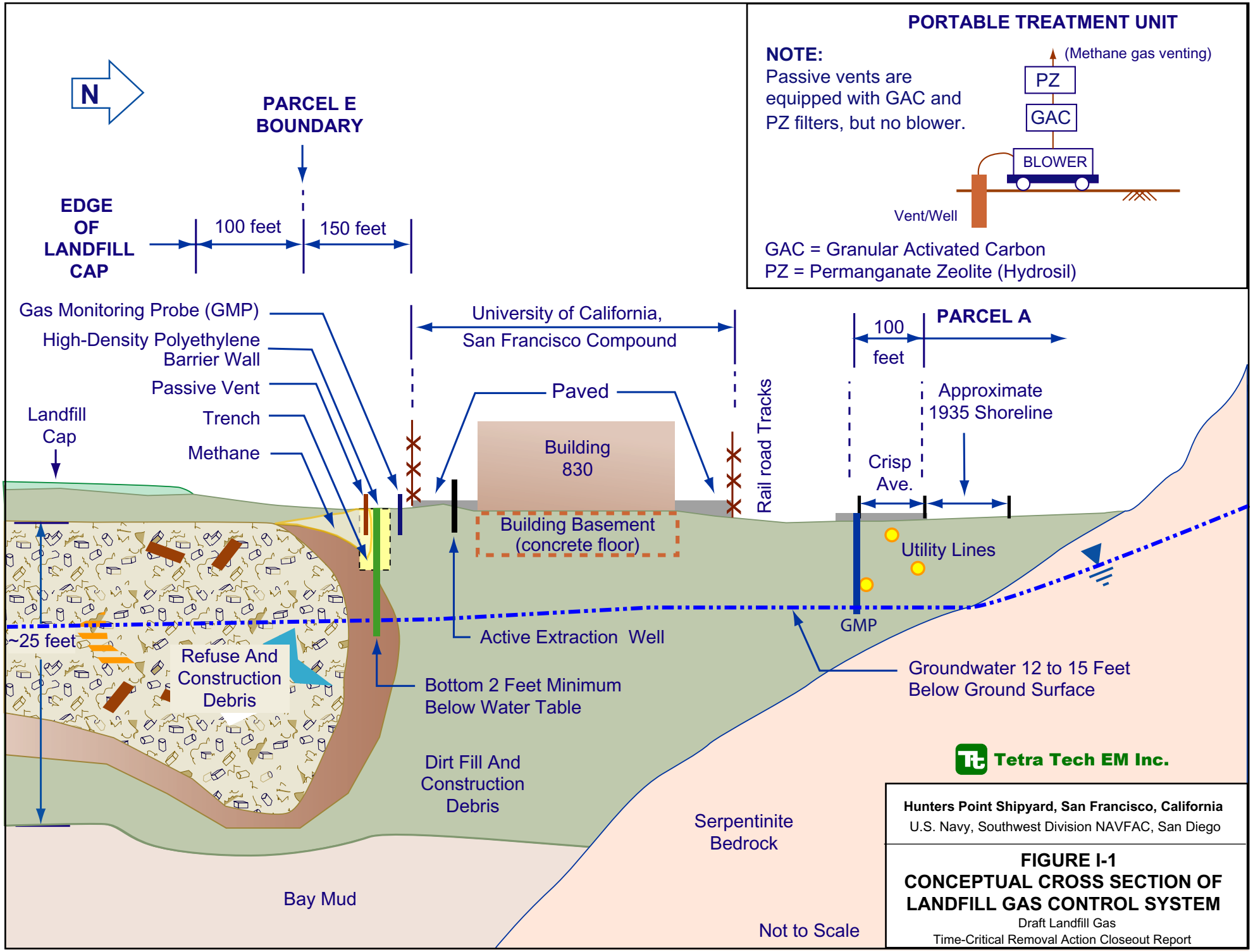
7.0 ONGOING MAINTENANCE AND MONITORING

Methane monitoring of all GMPs, extraction wells, and temporary probes was concluded on November 3, 2003. The interim landfill gas monitoring and control plan (Tetra Tech EM Inc. 2004) will include routine operation and monitoring to ensure regulatory compliance as well as to provide contingency plans for any unforeseen circumstances.

8.0 REFERENCES

Tetra Tech EM Inc. 2004. "Interim Draft Landfill Gas Monitoring and Control Plan, Parcel E, Industrial Landfill, Hunters Point Shipyard, San Francisco, California." March 19.

FIGURES

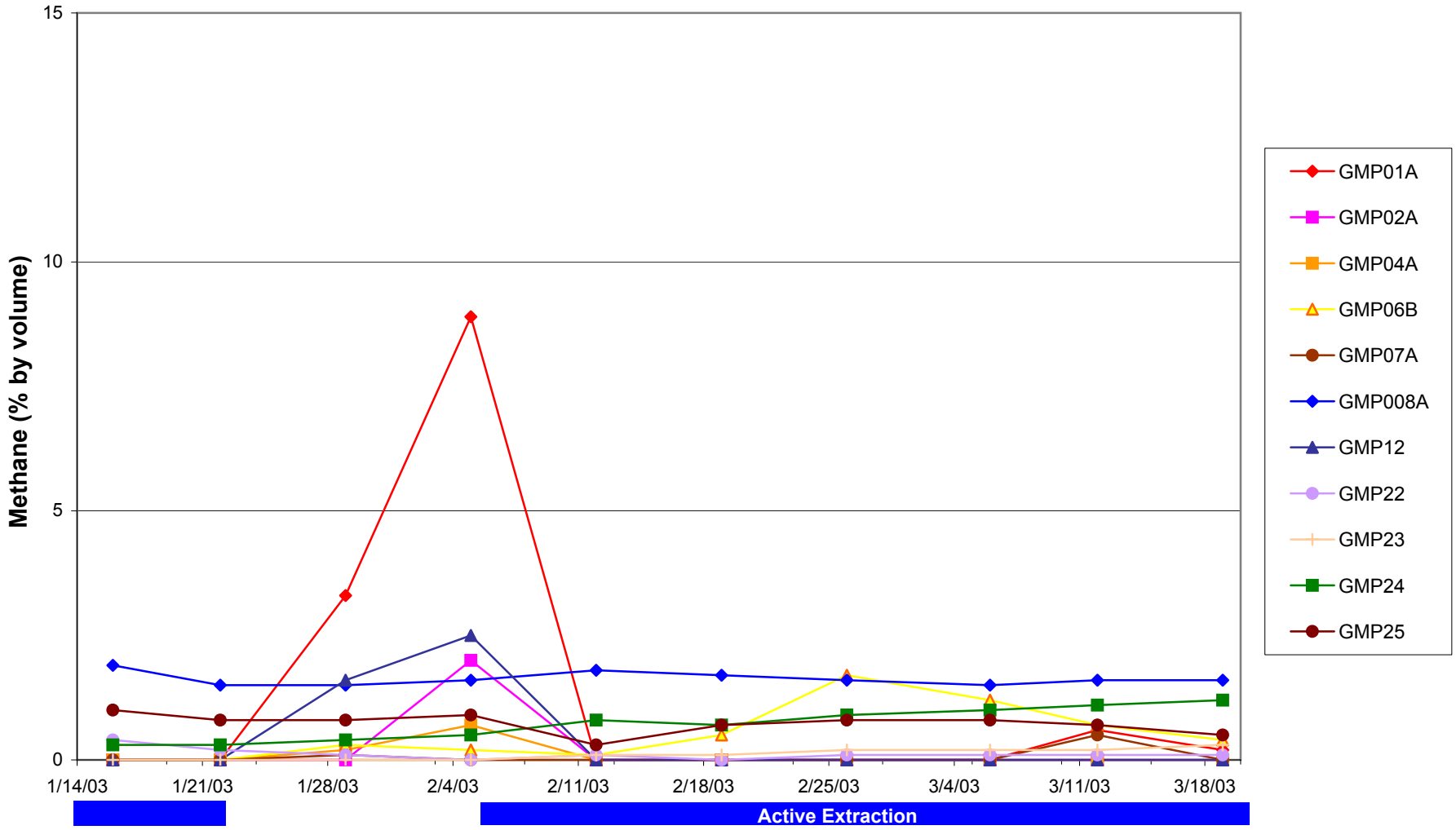

PORTABLE TREATMENT UNIT
NOTE:
Passive vents are equipped with GAC and PZ filters, but no blower.
(Methane gas venting)
PZ
GAC
BLOWER
Vent/Well
GAC = Granular Activated Carbon
PZ = Permanganate Zeolite (Hydrosil)
N
PARCEL E BOUNDARY
EDGE OF LANDFILL CAP
100 feet
150 feet
Gas Monitoring Probe (GMP)
High-Density Polyethylene Barrier Wall
Passive Vent
Trench
Methane
Landfill Cap
University of California, San Francisco Compound
Paved
Building 830
Building Basement (concrete floor)
Rail road Tracks
100 feet
PARCEL A
Approximate 1935 Shoreline
Crisp Ave.
Utility Lines
GMP
~25 feet
Refuse And Construction Debris
Active Extraction Well
Bottom 2 Feet Minimum Below Water Table
Groundwater 12 to 15 Feet Below Ground Surface
Dirt Fill And Construction Debris
Serpentinite Bedrock
Bay Mud
Not to Scale
Tetra Tech EM Inc.
Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division NAVFAC, San Diego
FIGURE I-1
CONCEPTUAL CROSS SECTION OF LANDFILL GAS CONTROL SYSTEM
Draft Landfill Gas
Time-Critical Removal Action Closeout Report

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-2
SITE LOCATION MAP

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

03-15-2004 v:\hunters point\projects\landfill\landfill gas ra\landfill gas ra report_figi-2.mxd TtEMI-SF kim.huynh



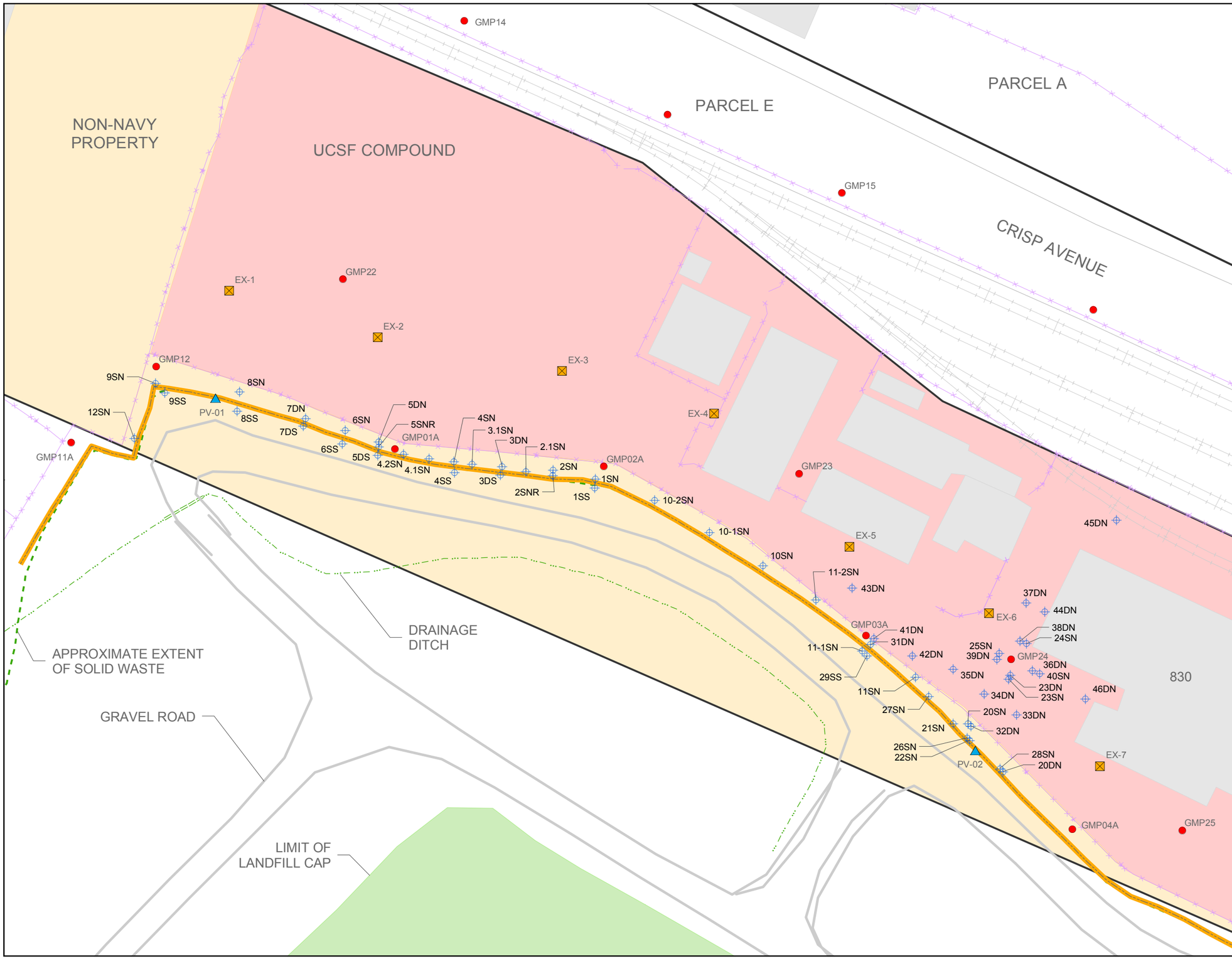
Tetra Tech EM Inc.

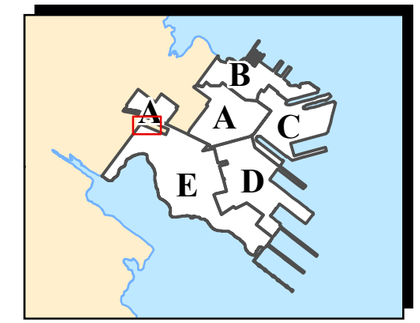
Notes: Active extraction was initiated at PV-01 at 5 cfm on February 6, 2004.
Blue shading indicates active extraction.
Methane was not observed at GMPs 03A, 05B, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, and 26.
These GMPs are not shown for the sake of clarity.

cfm Cubic feet per minute
GMP Gas monitoring probe

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-3
WEEKLY GMP MONITORING RESULTS
Draft Landfill Gas
Time-Critical Removal Action Closeout Report





Location Map

- Temporary Probe
- GMP
- Extraction Well
- Passive Vent
- High-Density Polyethylene Barrier Wall
- Approximate Extent of Solid Waste
- Limit of Landfill Cap
- V-Ditch
- Subsurface Pipe
- Fence
- Parcel Boundary
- Building
- Road
- Gravel Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes:
GMP Gas monitoring probe
UCSF University of California, San Francisco

50 0 50
Scale in Feet

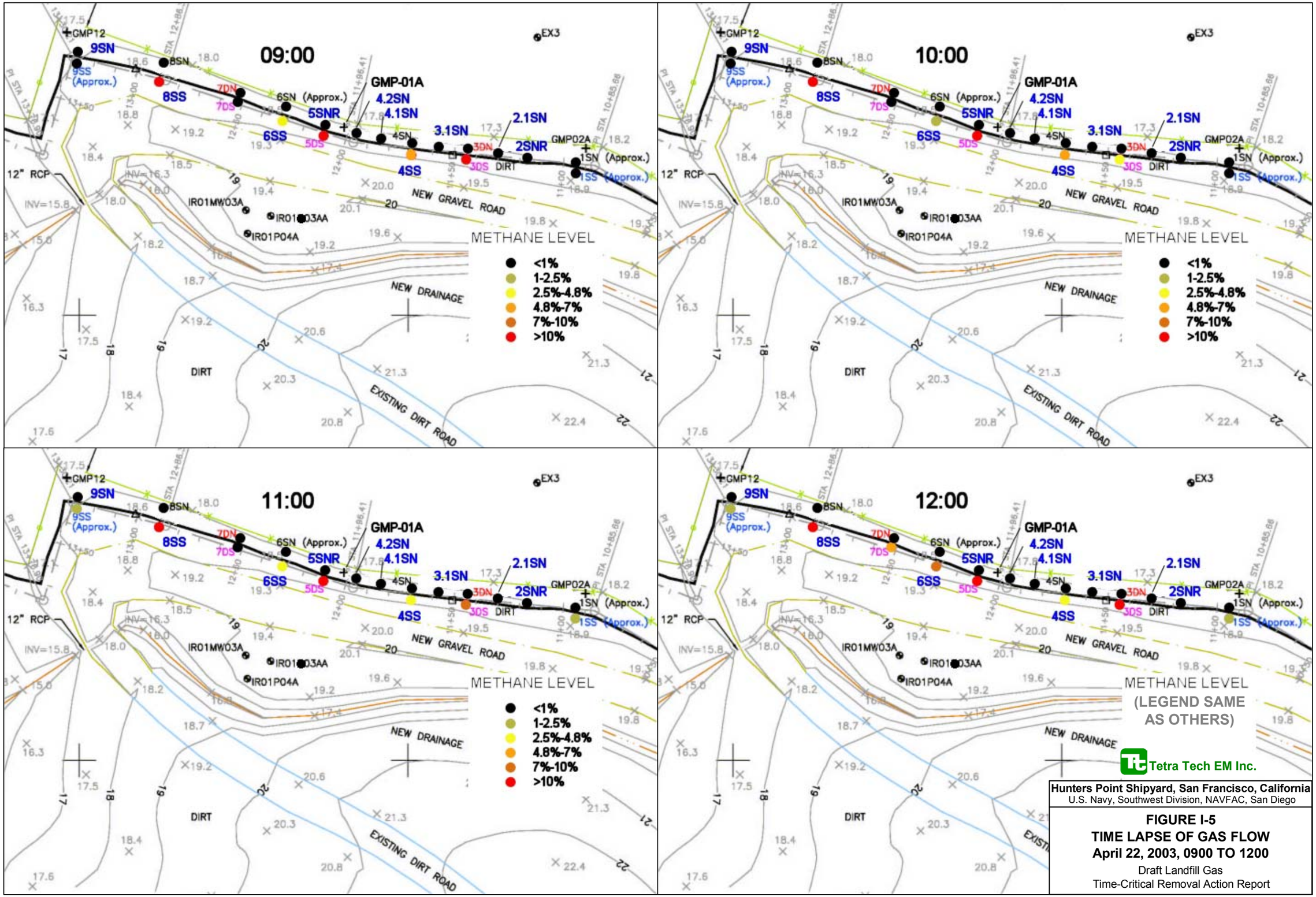
Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-4
TEMPORARY PROBE LOCATIONS

Draft Landfill Gas
Time-Critical Removal Action Closeout Report

03-16-2004 v:\hunters point\projects\landfill\landfill gas ra\landfill gas ra report_figi-4.mxd TtEMI-SF kim.huynh

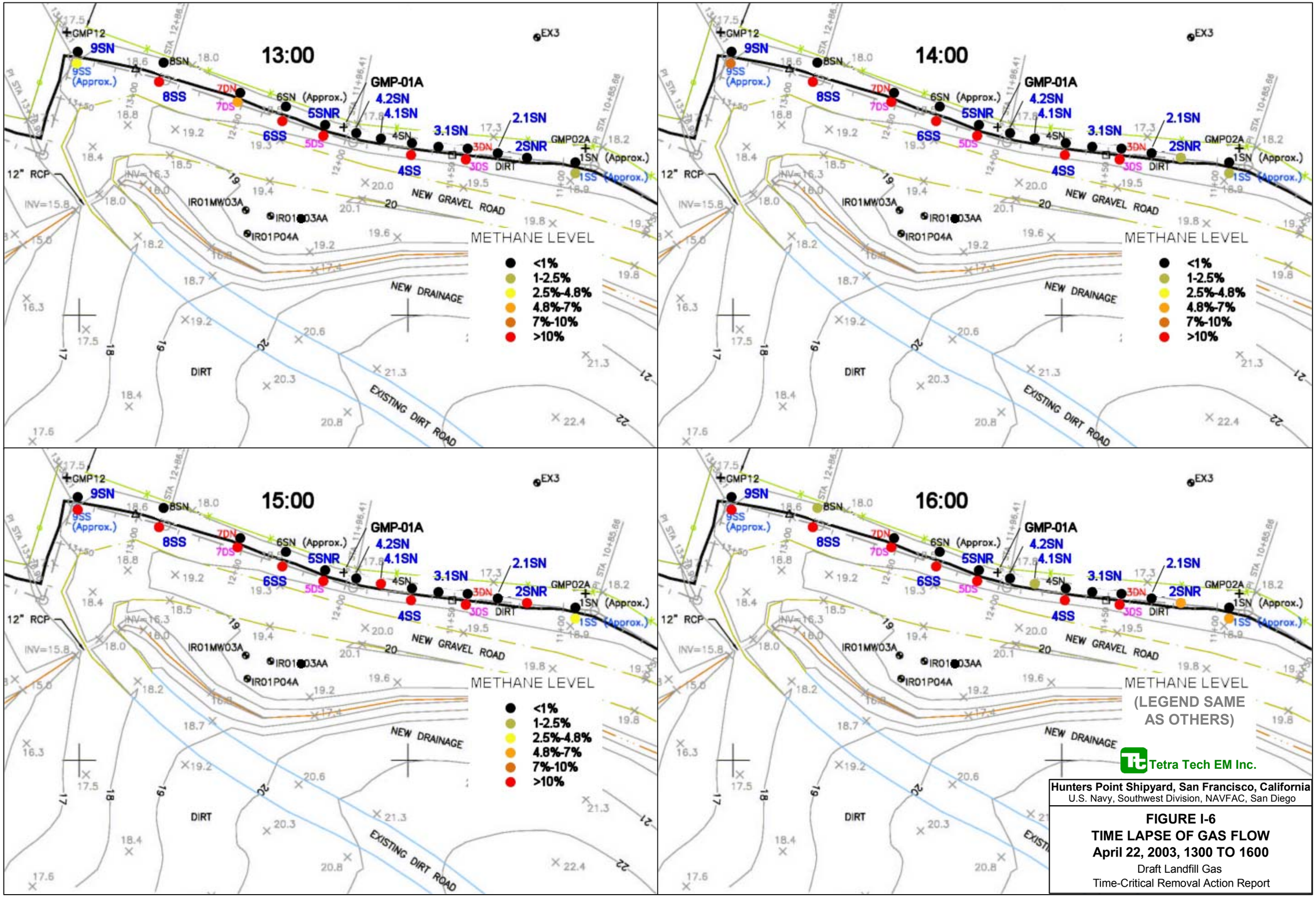


Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-5
TIME LAPSE OF GAS FLOW
April 22, 2003, 0900 TO 1200

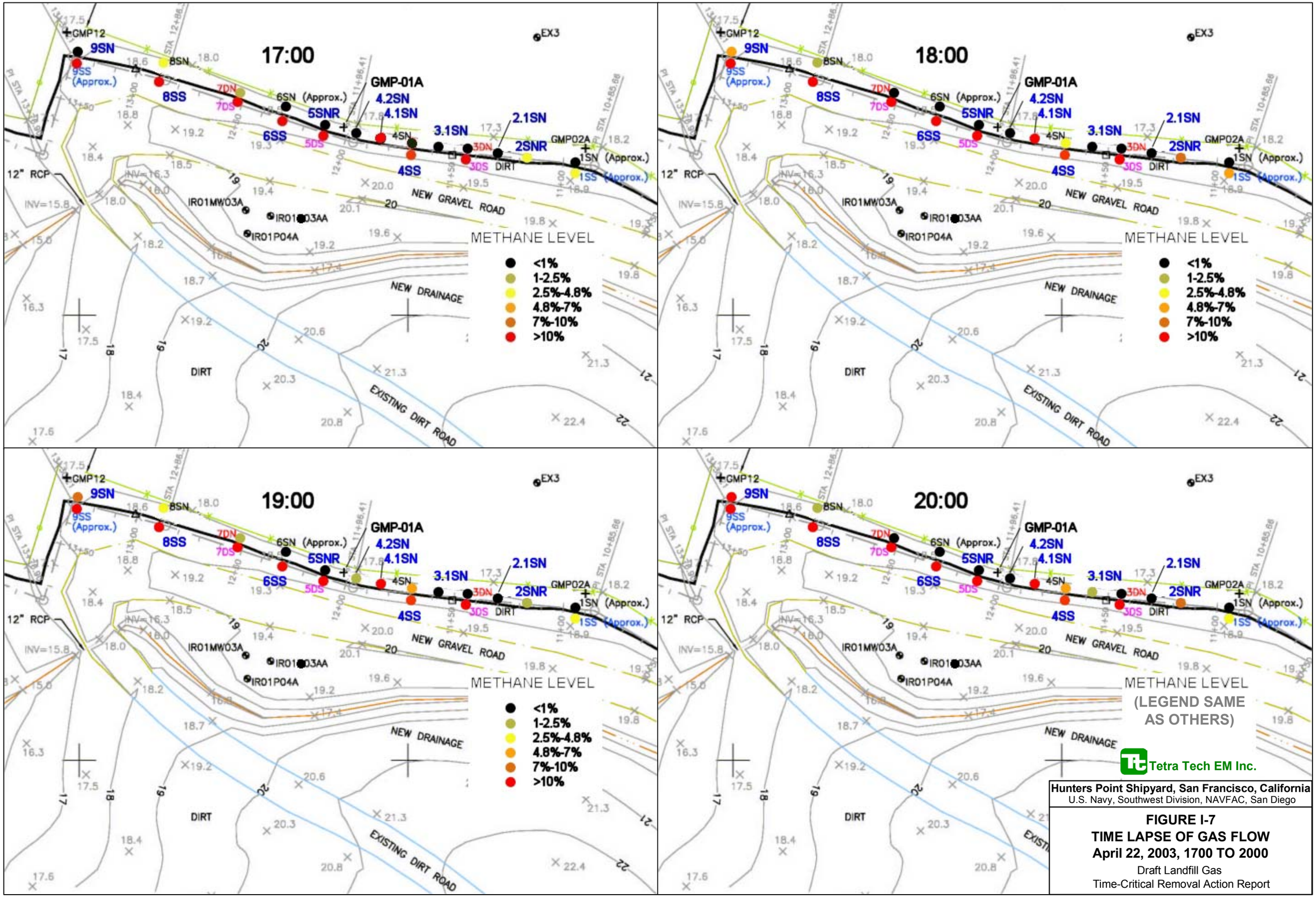
Draft Landfill Gas
Time-Critical Removal Action Report



Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-6
TIME LAPSE OF GAS FLOW
April 22, 2003, 1300 TO 1600
Draft Landfill Gas
Time-Critical Removal Action Report

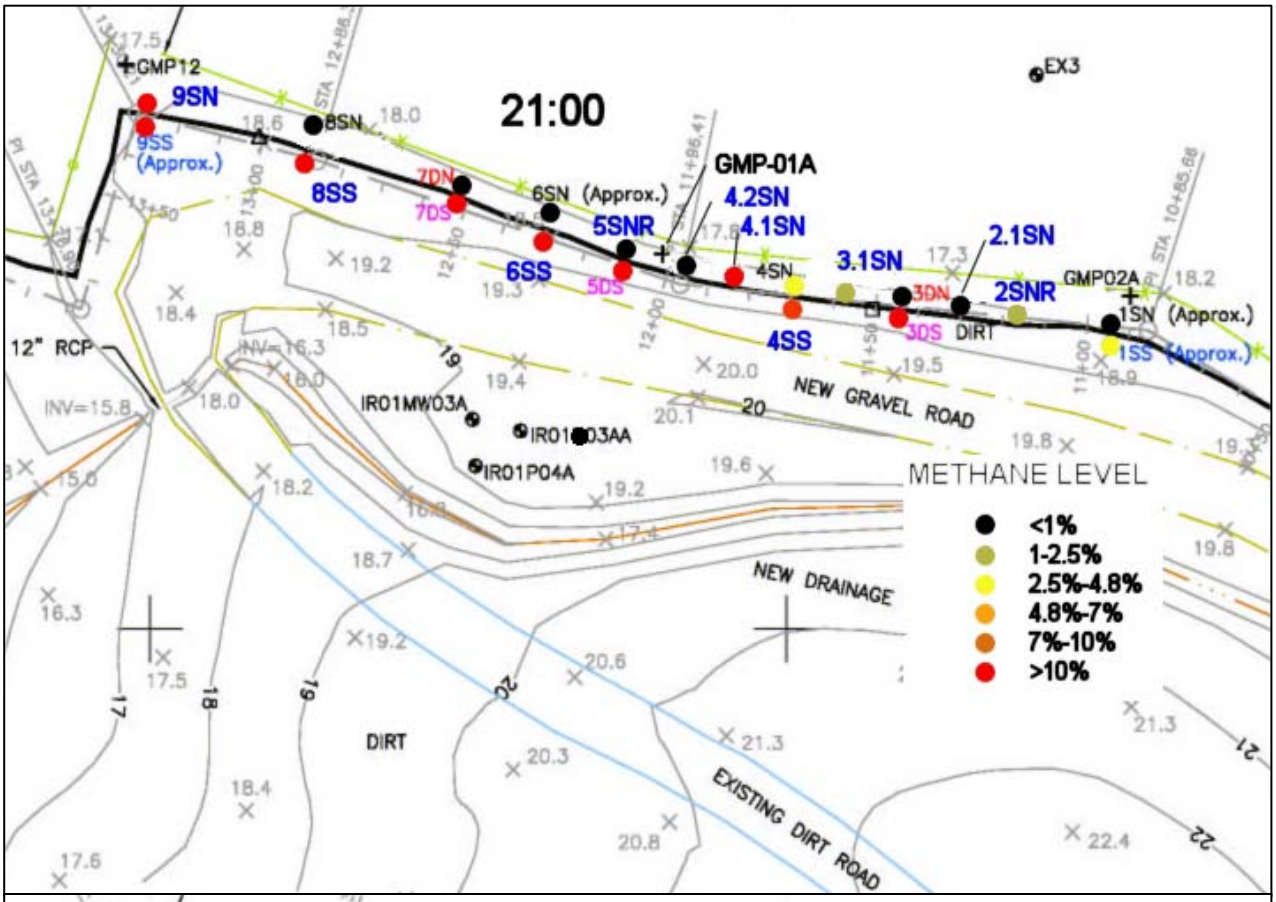


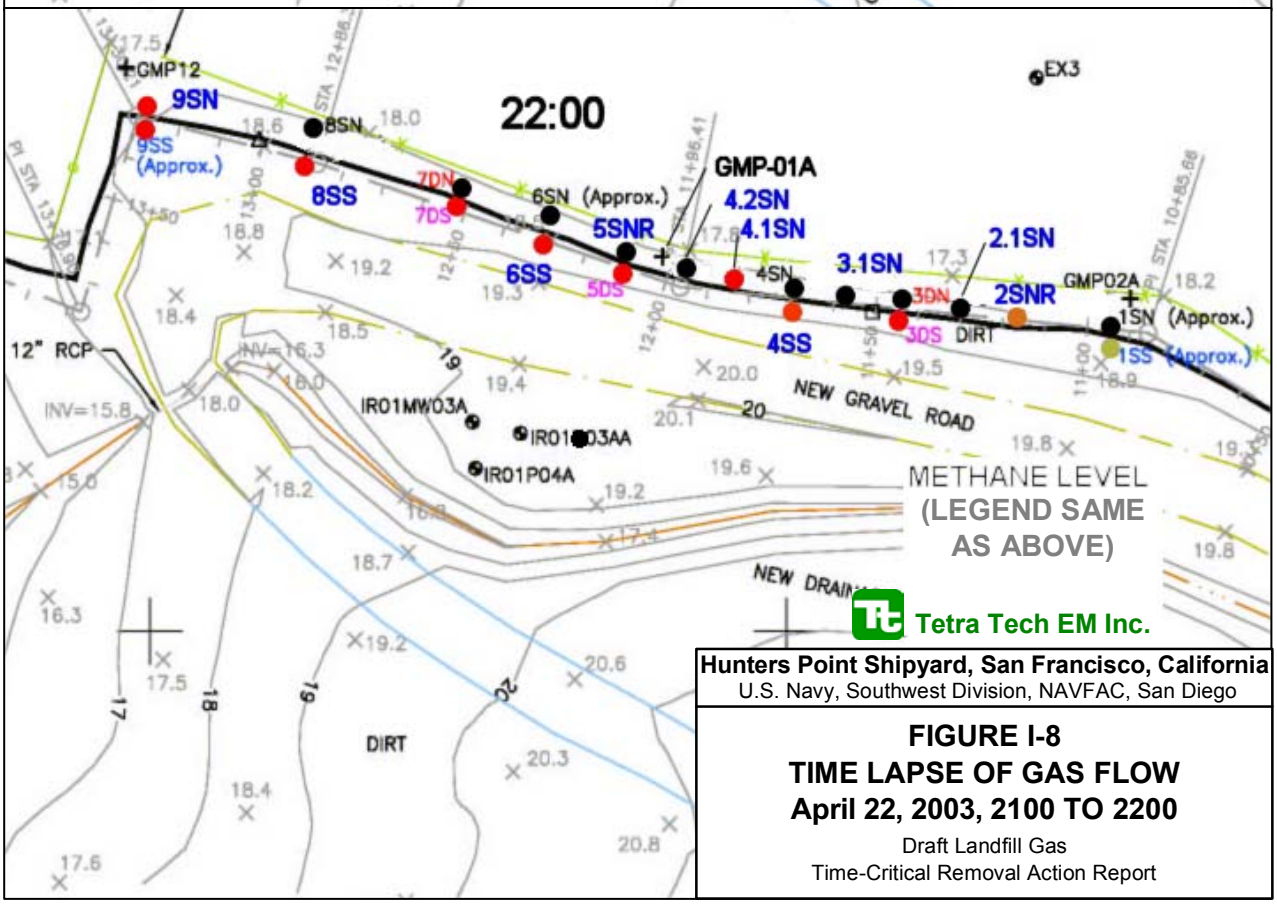
Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-7
TIME LAPSE OF GAS FLOW
April 22, 2003, 1700 TO 2000

Draft Landfill Gas
Time-Critical Removal Action Report



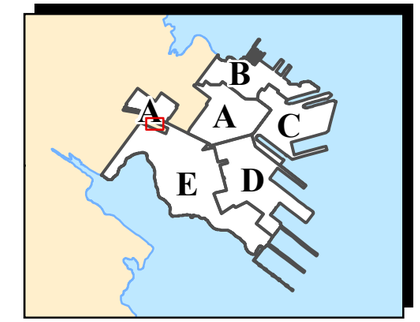


Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-8
TIME LAPSE OF GAS FLOW
April 22, 2003, 2100 TO 2200

Draft Landfill Gas
Time-Critical Removal Action Report



Location Map

- Temporary Probe
- GMP
- Extraction Well
- Passive Vent
- 10-09-03 Percent By Volume Methane Contour
- High-Density Polyethylene Barrier Wall
- Grouted Section of Barrier Wall
- Fence
- Parcel Boundary
- Building
- Gravel Road
- Rail Line
- UCSF Compound
- Non-Navy Property

Notes:

%	Percent by volume
DN	Deep, northern probe
EX	Extraction well
PV	Passive Vent
SN	Shallow, northern probe
SS	Shallow, southern probe
UCSF	University of California, San Francisco

N

20 0 20

Scale in Feet

Tetra Tech EM Inc.

Hunters Point Shipyard, San Francisco, California

U.S. Navy, Southwest Division, NAVFAC, San Diego

FIGURE I-9

METHANE CONCENTRATION CONTOURS BEFORE GAS EXTRACTION AT GMP24

Draft Landfill Gas

Time-Critical Removal Action Closeout Report

03-16-2004 v:\hunters point\projects\landfill\landfill gas ra\landfill gas ra report_figi-9.mxd TtEMI-SF kim.huynh

ATTACHMENT I-1
GROUTING LOGS

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-18-03

POINT NO.	DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
B	10'	9:30		1	8	18	2 c.f.		
	9'				8	18	2		
	8'				4	14	2		
	7'				4	14	2		
	6'				4	14	2		
	5'				2	12	2		
	4'				2	12	3		
	3'				2	12	3		
							18 c.f.		
EA II									
A	10'	10:05			6	20	2 c.f.		
	9'				8	20	2		
	8'				8	20	2		
	7'				0	6	2		R
	6'				0	4	2		R
	5'				0	2	2		R
	4'				0	2	3		R
	3'				0	2	3		R
							18 c.f.		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-18-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
6	17'				15	28	1 c.F.		
	16'				15	26	1		
	15'				15	25	1		
	14'				15	25	1		
	13'				15	20	1		
	12'				15	20	1		
	11'				15	20	1		
	10'				15	20	1		
	9'				10	20	2.5		
	8'				10	15	2.5		
	7'				10	15	2.5		
	6'				8	12	2.5		
	5'				2	4	4 c.F.		Low psi
	4'				0	2	2.5 c.F.		" "
	3'				—	—	—		R.
	2'				—	—	—		R
									24.5 c.F.
5	17'	1:05 pm			2	4	1 c.F.		
	16'				2	4	1 c.F.		
	15'				6	16	1		
	14'				6	16	1		
	13'				6	16	1		
	12'				6	16	1		C → 6
	11'				5	13	1		"
	10'				5	13	1		"
	9'				2	4	2.5		"
	8'				2	4	2.5		"
	7'				2	4	2.5		"
	6'				2	4	2.5		"
	5'				2	4	2.5		"
	4'				2	4	2.5		"
	3'				2	4	2.5		R
	2'				2	4	1.5		R
									27 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-18-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
7	17'	1:38pm			2	4	1 c.F.		LOW PSI (PSI ↑)
	16'				2	4	4 c.F.		" WHEN PSI
	15'				2	4	1 c.F.		" INCREASES WE
	14'				2	4	4 c.F.		" LIFT POINT UP
	13'				2	4	3 c.F.		" "
	12'				2	4	2 c.F.		R "
	11'				2	4	3 c.F.		"
	10'				2	4	2		R
	9'				3	6	1		R
	8'				3	6	2.5		R
	7'				2	4	2.5		R
	6'				2	4	2.5		R
	5'				2	4	2.5		R
	4'				2	4	1 c.F.		R
	3'								
	2'								
									32 c.F.
II	17'				2	4	4.5 c.F		LOW PSI
3	16'				2	4	4		"
	15'				2	4	4		"
	14'				2	4	4		"
	13'				2	4	4		"
	12'				2	4	4		"
									END OF SHIFT
									24.5 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

Job No. 36664

Job Name: HUNTERS POINT SHIPYARD

MIXING LOG

Foreman JORGE SALCEDO

Mixman JOSE OROZCO

Date: 6-18-03

BATCH NO.	TIME	Tank No.	CEMENT	GEL	~~WATER~~	~~TOTAL~~	Tank No.	PLASTIC		WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	9.00 AM		6 sx	1/2 sx				30 lbs.		120±	150 gal.			
2	9.50		6	1/2				30 lbs.		120±	150 gal.			
3	10:30		3.5	1 sx						130±	150 gal.			
4	12:40		3.5	1 1/2 sx						130±	150			
5	12:50		3.5	1 1/2						130±	150			
6			3.5	1 1/2						130±	150			
7			3.5	1 1/2						130±	150			
8			3.5	1 1/2						130±	150			

TOTAL MIXED
1200 GALLONS

PRESSURE GROUT COMPANY

MIXING LOG

Foreman: JORGE SALCEDO
Mixman: JOSE OROZCO
Date: 6-19-03

Job No. 3664
Job Name: HUNTERS POINT SHIPYARD

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.	PLASTIC		WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
										130±	150	GALLONS		
1	7:30		3.5	1.5						130	150			
2	7:40		3.5	1.5						130	150			
3			3.5	1.5						130	150			
4			3.5	1.5						130	150			
5			3.5	1.5						130	150			
6														
7	12:35		6	1/2				30 lb.		120	150			
8			6	1/2				30 lbs		120	150			
9	2:30		3.5	1.5						130±	150			

TOTAL MIXED ONLY
6-19-03 1350 GALLONS

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-19-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A	10'	12:55PM			16	22	2 CF		
	9'				16	22	2		
	8'				16	24	2		
	7'				15	24	2		
	6'				15	24	2		
	5'				15	24	2		
	4'				6	8	1		R LOWERED PUMP SPEED
	3'				6	8	1		R
									14 CF
AB	10'				20	40	2 CF		HIGH PRESSURE (PULLE
	9'				20	40	1 CF		" " " "
	8'				20	40	.5		" " " "
	7'				20	40	.5		" " " "
	6'								HARD SOIL
	5'								NO TAKE
	4'								
	3'								
									4 CF

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 31664 Foreman: JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-19-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
									CHECKED TEST HOLE
1	17'	10:05			15	25	1 c.f.		BEFORE GROUTING L-
	16'				10	20	1		GROUT ONLY AT 17'-16'
	15'				8	20	1		
	14'				8	15	1		
	13'				8	20	1		
	12'				10	20	1		
	11'				10	20	1		
	10'				10	20	1		
	9'				8	12	2		R SLOWED PUMP DOWN
	8'				8	10	1		R
	7'								R NO TAKE
	6'								R " "
	5'								R " "
	4'								R " "
	3'								R " "
	2'								R " "
									11 c.f.
									TESTED AGAIN
									GROUT FROM 17'
									TO 12' ONLY
PA II									
EST	10'				8	12	1 c.f.		RE-DROVE PIPE
TOLE	9'				6	11	2.5 c.f.		INTO TEST HOLE
	8'				6	11	2.5 c.f.		TO GROUT
	7'				6	10	2.5		
	6'				6	10	2.5		
	5'				6	10	2.5		
	4'				6	10	1		R
	3'				6	10	1		R
	2'				6	10	1		R
									16.5 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36064 Foreman JORGE SALCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-19-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
2	17'				20	30	1 c.f.		
	16'				10	20	1		
	15'				10	20	1		
	14'				8	15	1		
	13'				8	15	1		
	12'				8	15	1		
	11'				8	13	1		
	10'				8	13	1		
	9'				8	14	2.5 c.f.		
	8'				8	14	2.5		
	7'				8	12	2.5		
	6'				8	12	2.5		
	5'				4	6	2 c.f.		R SLOWED PUMP DOWN
	4'				4	6	1		R FOR TAKE
	3'				—	—	—		R NO TAKE
	2'				—	—	—		R "
									21 c.f.
8	17'	9:25			20	35	1 c.f.		
	16'				20	30	1		
	15'				20	30	1		
	14'				15	25	1		
	13'				15	25	1		
	12'				15	25	1		
	11'				15	25	1		
	10'				15	25	1		
	9'				15	18	1		R BETWEEN POINT & PLUG
	8'				15	18	1		" GROUNDSURFACE
	7'				8	12	2		R SLOWED PUMP
	6'				8	12	1		R
	5'				8	12	2		R
	4'				6	10	1		R
	3'				—	—	—		R NO TAKE
	2'				—	—	—		R "
									16 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SANCHEZ

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-19-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
ER 3	11'	7:50am			12	20	1 c.f.		INJECTION #3
	10'				12	20	1		CONTINUED - START
	9'				20	30	2 1/2 c.f.		AT 11'
	8'				20	30	2.5		
	7'				18	30	2.5		
	6'				18	30	2.5		
	5'				18	30	2.5		
	4'				18	30	2.5		R PUMPED SLOWER FOR
	3'				18	30	2.5		R TAKE
	2'				—	—			R
							19.5 c.f.		19.5 c.f.
4	17'				18	30	1		
	16'				18	30	1 c.f.		
	15'				16	30	1		
	14'				16	30	1		
	13'				16	30	1		
	12'				14	28	1		
	11'				14	28	1		
	10'				14	28	1		
	9'				20	30	2.5		
	8'				20	30	2.5		
	7'				20	30	2.5		
	6'				20	30	2.5		
	5'				20	30	2.5		
	4'				10	15	2		R
	3'				—	—	—		R NO TAKE
	2'				—	—	—		R " "
							22.5 c.f.		22.5 c.f.

SYMBOLS: R=return, P=plugged, O=obstruction, L=lift (indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SALCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-19-03

POINT NO.	DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A 6	17'	2:30pm			15	30	1.5 c.f.		
	16'				20	35		3	HIGH PRESSURE
	15'				25	35		3	" "
	14'				25	35		4	" "
	13'				25	35		5	" "
	12'				25	35		3	" "
	11'				25	35		2	" "
	10'				25	35		1	" "
	9'				25	35		1	" "
	8'				25	35		1	" "
	7'				25	35		2	" "
	6'				25	35		1	" "
	5'				25	35		2	" "
	4'				25	35		2	" "
	3'				25	35		1	" "
	2'				25	35		1	R
									2 c.f.
A 4	17'				15	30	1 c.f.		
	16'				15	30	1		
	15'				15	30	1		
	14'				15	30	1		
	13'				15	30	1		
	12'				15	30	1		
	11'				20	35		2	HIGH PRESSURE
	10'				20	35	1		" "
	9'				20	30	2.5		
	8'				20	30	2.5		
	7'				20	30	2.5		
	6'				~~20~~	~~30~~	~~2.5~~		R
	5'				~~20~~	~~30~~	~~2.5~~		R
	4'				20	30	1 c.f.		R
	3'								R NO TAKE
	2'								R " "
									~~2.5 c.f.~~ 15.5 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Foreman: JORGE SAUCEDO
Mixman: JOSE OROZCO
Date: 6-20-03

ob No. 3664
ob Name: HUNTERS POINT SHIPYARD

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.	PLASTER		WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:30		3.5	1.5						130±	150	GALLONS		
2	7:43		3.5	1.5						130±	150			
3	8:15		3.5	1.5						130±	150			
4			3.5	1.5						130±	150			
5	9:20		3.5	1.5						130±	150			
6			1.75	.75						65±	75			
7			6sx	1sx						120	150			
8			3.5	1.5						130±	150			
9			3.5	1.5						130±	150			
10			3.5	1.5						130	150			

TOTAL MIXED
6-20-03
1425 GALLONS

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-20-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA III	2	17'				25	40	—		HIGH PRESSURE
		16'				20	30	1 c.F.		
		15'				20	30	1		
		14'				20	30	1 c.F.		
		13'				15	25	1 c.F.		
		12'				15	25	1 c.F.		
		11'				15	25	1		
		10'				15	25	1		
		9'				15	22	2.5		
		8'				15	22	2.5		
		7'				15	20	2.5		
		6'				15	20	2.5		
		5'				6	10	2.5	—	LOWERED PUMP SPEED
		4'				6	10	2.5		
		3'				6	10	2.0		R
		2'				—	—	—		R NO TAKE
										24 c.F.
AREA III	5	17'				5	10	1 c.F.		
		16'				5	10	1		
		15'				5	10	1		
		14'				5	10	1		
		13'				5	10	1		
		12'				5	10	1		
		11'				5	10	1		
		10'				5	10	1		
		9'				5	10	2.5		
		8'				5	10	2.5		
		7'				5	10	2		R
		6'				—	—	—		R LOWERED PUMP SPEED
		5'				—	—	—		R NO TAKE
		4'				—	—	—		R " "
		3'				—	—	—		R " "
		2'				—	—	—		
										15 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-20-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
7	17'	8:50 am			10	20	1 c.f.		
	16'				10	20	1 c.f.		
	15'				10	20	1 c.f.		
	14'				10	20	1		
	13'				10	20	1		
	12'				10	20	1		
	11'				10	20	1		
	10'				10	20	1		
	9'				14	18	2.5		SLOWER SPEED (PUMP)
	8'				6	8	2.5		" "
	7'								R NO TAKE
	6'								R
	5'				6	8	2.5		
	4'				6	8	2.5		
	3'								R NO TAKE
	2'								R
									18 c.f.
3	17'				10	15	1 c.f.		
	16'				10	15	1		
	15'				10	15	1		
	14'				10	15	1		
	13'				10	15	1		
	12'				10	15	1		
	11'				10	15	1 c.f.		
	10'				10	15	1		
	9'				16	18	2.5		
	8'				16	18	2.5		
	7'				10	15	2.5		SLOWED PUMP DOWN
	6'				10	15	2.5		
	5'								R NO TAKE
	4'								R
	3'								R
	2'								R
									18 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-20-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA II	1	17'	9:45			15	22	1 c.f.		
		16'				15	22	1		
		15'				15	20	1		
		14'				15	20	1		
		13'				16	18	1		
		12'				16	18	1		
		11'				16	18	1		R
		10'				14	17	1		
		9'				14	17	1		R LOWERED SPEED
		8'				8	12	2.5		R
		7'				8	12	2.5		
		6'				10	14	2 c.f.		R
		5'				6	8	2.5		
		4'								R NO TAKE
		3'								R
		2'								R
										18.5 c.f
AREA III	5A	9'				15	20	2.5		R LOWERED SPEED
		8'				6	8	1.5		C → #5
		7'				6	8	1 c.f.		
		6'				6	8	2.5		NOTE: THIS
		5'								R IS MERELY
		4'								R A TEST POI
		3'								R
		2'								R
										7.5 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SALCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-20-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA I	B	10'	1:30 PM			7	12	2 C.F.		
		9'				7	12	2		
		8'				7	12	2		
		7'				7	12	2		
		6'				7	12	2		
		5'				6	10	2		
		4'				6	10	2		LOWERED SPEED
		3'				6	10	2		R
		2'								R NO TAKE
										16 C.F.
AREA I	A	17'	1.45			12	18	2		
		16'				10	15	2 C.F.		
		15'				10	15	2		
		14'				10	15	2		
		13'				10	15	2		
		12'				10	15	2		
		11'				10	15	2		
		10'				10	15	2		
		9'				8	12	2		LOWERED PUMP SPEED
		8'				4	8	2		" "
		7'				4	8	2		" "
		6'				6	10	2		
		5'				6	10	2		R
		4'								R NO TAKE
		3'								R " "
		2'								R " "
										26 C.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: HUNTERS POINT SHIPYARD Grout Material: SLURRY Date: 6-20-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY CF	RATE	REMARKS
REA I	2	17'	2:20			10	16	2		
		16'				10	16	2		
		15'				10	16	2		
		14'				10	16	1		
		13'				10	15	1		
		12'				10	15	1		
		11'				10	15	1		
		10'				10	15	1		
										11 C.F.
REA I	3	17'				20	30	2 C.F.		
		16'				20	30	2		
		15'				15	25	2		
		14'				15	25	2		
		13'				15	25	2		
		12'				15	25	2		
		11'				15	25	2		
		10'				15	25	3		17 CF

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Job No. 3664

Job Name: COOPER CRANE INC.

Foreman JORGE SAUCEDO

Mixman JOSE OROZCO

Date: 6-23-03

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.	DISPERSANT		WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:30AM		3.5	1.5						130±	150 GALLONS			
2			3.5	1.5						130±	150			
3			3.5	1.5						130±	150			
4			3.5	1.5						130±	150			
5			3.5	1.5						130±	150			
6			3.5	1.5						130±	150			
7			3.5	1.5						130±	150			
8	11:15		2.0	1						65±	75			
9			4 SX					1 CUP		140±	150			
10			4					1		140±	150			
11			4					1		140±	150			

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC Grout Material: SLURRY Date: 6-23-03

POINT NO.	DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
4	17'	7:50 AM			10	20	1 c.f.		
	16'				10	20	1		
	15'				10	20	1		
	14'				10	18	1		
	13'				10	18	1		
	12'				10	18	1		
	11'				10	18	1		
	10'				10	18	1		
									8 c.f.
6	17'				12	25	1 c.f.		
	16'				12	20	1		
	15'				12	20	1		
	14'				12	20	1		
	13'				12	20	1		
	12'				12	23	1		
	11'				12	23	1		
	10'				12	18	1		
									8 c.f.
5	17'				10	17	1 c.f.		
	16'				10	16	1		
	15'				12	20	1		
	14'				10	18	1		
	13'				12	18	1		
	12'				12	17	1		
	11'				12	18	1		
	10'				12	18	1		
									8 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-23-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
1	17'				20	30	1 c.F.		
	16'				18	28	1		
	15'				18	28	1		
	14'				18	25	1		
	13'				18	25	1		
	12'				18	25	1		
	11'				18	25	1		R @ PIPE & GROUND SURFACE
	10'				8	10	1		SLOWED " PUMP " SPEED
									8 c.F.
9	17'	8:50			10	15	1 c.F.		
	16'				10	15	1		
	15'				10	15	1		
	14'				10	15	1		
	13'				10	15	1		
	12'				10	15	1		
	11'				10	15	1		
	10'				14	18	1		
	9'				12	16	2.5		
	8'				12	16	2.5		
	7'				5	10	2.5		SLOWED PUMP SPEED
	6'				5	10	2.5		" " "
	5'				5	10	2.5		" " "
	4'				5	8	2.5		" " "
	3'				5	8	2.5		R " " "
	2'								R NO TAKE
									25.5 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-23-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
7	17'				15	25	1 c.f.		
	16'				15	25	1		
	15'				15	25	1		
	14'				15	25	1		
	13'				15	25	1		
	12'				15	20	1		
	11'				15	20	1		
	10'				15	20	1		
	9'				9	12	2.5		R SLOWED PUMP
	8'				9	12	2.5		R
	7'				7	10	2.5		R
	6'				7	10	2.5		R
	5'				7	10	2.5		R
	4'				7	10	2.5		R
	3'				~~7~~	~~10~~			R NO TAKE
	2'								R " "
									23 c.f.
8	17'	10:00			10	15	1 c.f.		
	16'				10	15	1		
	15'				8	15	1		
	14'				8	15	1		
	13'				8	15	1		
	12'				8	15	1		
	11'				8	12	1		
	10'				8	12	1		
	9'				10	15	2.5		SLOWED PUMP
	8'				10	15	2.5		" "
	7'				10	15	2.5		R " "
	6'				6	9	2.5		R
	5'				8	10	2.5		R
	4'				8	10	2.5		R
	3'								R
	2'								
									23 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664

Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC.

Grout Material: SLURRY

Date: 6-23-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A 10	17'				10	20	1 c.f.		
	16'				10	20	1		
	15'				10	15	1		
	14'				10	15	1		
	13'				10	15	1		
	12'				10	15	1		
	11'				10	15	1		
	10'				8	12	1		SLOWED PUMP
	9'				8	12	2.5		" "
	8'				8	12	2.5		" "
	7'				8	10	2.5		" "
	6'				8	10	2.5		" "
	5'				15	18	2.5		" "
	4'				15	18	2.5		R " "
	3'				15	18	2.5		R
	2'				15	18			R
									25.5 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

SAND SIDE AREA

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36064 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-23-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
11	9'	1:15 PM			15	20	10 GAL.		
	8'				15	20	10 GAL.		
	7'				15	20	10		
	6'				15	20	10		
	5'				15	18	10		
	4'				12	16	10		R
	3'				~~12~~	~~16~~	~~10~~		R NO TAKE
	2'								R " "
									7 C.F. 60 GALLONS
12	9'				10	18	10 GAL.		
	8'				10	18	10 GAL.		
	7'				12	16	10 GAL.		C→11 SLOWED PUMP SPEED
	6'				10	12	10		R " "
	5'				7	9	10		R
	4'				7	9	10		R
	3'				7	9	10		R
	2'								R NO TAKE
									8 C.F. 70 GALLONS
13	9'	2:00 PM			8	10	2 C.F.		C→12 SLOWED PUMP
	8'				8	10	2		" "
	7'				8	10	2		" "
	6'				8	10	2		" "
	5'				6	8	2		" "
	4'				6	8	2		R " "
	3'				6	8	2		R " "
	2'								R NO TAKE
									14 C.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664

Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC.

Grout Material: SLURRY

Date: 6-23-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A 14	9'				8	10	2 c.f.		SLOW PUMPING
	8'				8	10	2		" "
	7'				8	10	2		" "
	6'				8	10	2		" "
	5'				8	10	2		" "
	4'				6	10	2		" "
	3'				6	10	2		R " "
	2'								R NO TAKE
									14 c.f.
15	9'	2:40			8	10	2 c.f.		SLOW PUMPING
	8'				8	10	2		C → 14 " "
	7'				8	10	2		" "
	6'				8	10	2		R
	5'				8	10	2		R
	4'				8	10	2		R
	3'				8	10	2		R
	2'								R NO TAKE
									14 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Job No. 36664

Job Name: COOPER CRANE INC.

Foreman JORGE SALCEDO

Mixman JOSE OROZCO

Date: 6-24-03

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.	DISPERSANT		WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:30am		4					1 CUP		120±	150	GALLONS		
2			4					1		120±	150			
3			4					1		120±	150			
4			6	1 sx						120±	150			
5			3.5	1.5						130±	150			
6			3.5	1.5						130±	150			
7			3.5	1.5						130±	150			
8			3.5	1.5						130±	150			
9			3.5	1.5						130±	150			
10			3.5	1.5						130±	150			
11	2:15		3.5	1.5						130±	150			

TOTAL MIXED
1650 GALLONS

19%

150

33

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36604

Job Name: COOPER CRANE INC. Grout Material: SLURRY

Foreman JORGE SAVEDRA

Date: 6-24-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	2	17'					30+	—		HIGH PRESSURE
		16'					30+	—		" "
		15'					30+	—		" "
		14'				0	4	26 c.f.		PRESSURE INCREASED TO 2
		13'				2	4	1		
		12'				2	4	1		
		11'				2	4	1		
		10'				2	4	1		
		9'				0		6.		R GROUND SURFACE
		8'				0		2		R " "
		7'				0		1		R " "
		6'				0		1		R " "
		5'				0		1		R C → #1 " "
		4'								R GROUND SURFACE
		3'								R " "
		2'								R " "
										41 c.f.
AREA IV	6	17'	2:25 PM			0		18 c.f.		
		16'				0		9 c.f.		
		15'				0		16		
		14'				0		1		
		13'				0		1		
		12'				0		1		
		11'				0		1		
		10'				0		1		
		9'				0				STOPPED END OF DAY
		8'							R	
		7'							R	
		6'							R	48 c.f.
		5'								
		4'								
		3'								
		2'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-24-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	A	10'	12:00pm			0		2 c.f.		VERY LOW
		9'				0		2 c.f.		PRESSURE
		8'				0		2		
		7'				0		2		
		6'				0		2		
		5'				0		2		
		4'				0		2		
		3'				0		2		
		2'				0		2		
										18 c.f.
AREA IV	B	17'					30↑			HIGH PRESSURE
		16'					"			" "
		15'				10	20	1 c.f.		
		14'				0	10	6 c.f.		LOW PRESSURE
		13'				10	15	1		
		12'				10	15	1		
		11'				10	15	1		
		10'				10	15	1		SLOWED PUMP DOWN
		9'				0		18 c.f.		R TO GROUND SURF.
		8'				0		5 c.f.		R
		7'				0		1.5		R GROUND SURFACE
		6'				0		.5		R " "
		5'				0		1 c.f.		R " "
		4'								R NO TAKE
		3'								R " "
		2'								R " "
										37 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

SAND SIDE

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664

Foreman JORGE SALCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-24-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
EA	19	9'				8	11	2 C.F.		PUMPING SLOW
		8'				8	11	2		R PIPE PLUGGED, ~~[illegible]~~
		7'				8	11	2		INSTALLED NEW PIP
		6'				8	11	2		PUMPING SLOW
		5'				8	11	2		R
		4'				8	11	2		R
		3'				8	11	2		R
		2'				7	10	2		
										16 C.F.
EA	20	9'				8	11	2 C.F.		C→19 PUMPING SLOW
		8'				8	11	2 C.F.		PIPE WAS PLUGGED
		7'				8	11	2 C.F.		PULLED & RE-INSTALL
		6'				8	11	2 CF		
		5'				8	11	2 C.F.		
		4'				8	11	1 CF		R
		3'				~~8~~	~~11~~			R
		2'								R
										11 CF

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

SAND SIDE

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664

Job Name: COOPER CRANE INC. Grout Material: SLURRY

Foreman JORGE SAUCEDO

Date: 6-24-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA I	16	9'	7:25 am			8	12	2 c.f.		PUMPING SLOW
		8'				8	12	2		
		7'				8	12	2		
		6'				8	12	1 c.f.		R GROUND SURFACE
		5'								R
		4'								R
		3'								R
		2'								R
										7 c.f.
AREA	17	9'				8	12	2 c.f.		PUMPING SLOW
		8'				8	12	2 c.f.		
		7'								R C → #1 SLOWED R.
		6'								R NO TAKE
		5'								R " "
		4'								R " "
		3'								R " "
										4 c.f.
A	18	9'				5	9	2 c.f.		PUMPING SLOW
		8'				5	9	2 c.f.		" "
		7'				5	9	2		" "
		6'				5	9	2		" "
		5'				5	9	2		
		4'				5	9	2		
		3'				5	9	2		
		2'				5	9	2		
										16 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Job No. 36664

Job Name: COOPER CRANE INC.

Foreman JORGE SAUCEDO

Mixman JOSE TONY OROZCO

Date: 6-25-03

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.			WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:45 AM		6 SX	1 SX						120±	150 GALLONS			
2	7:55		3 1/2	1.5						130±	150			
3			3.5	1.5						130±	150			
4			3.5	1.5						130±	150			
5			3.5	1.5						130±	150			
6			3.5	1.5						130±	150			
7			3.5	1.5						130±	150			
8			3.5	1.5						130±	150			
9	12:15 PM		3.5	1.5						130±	150			
10	12:25		3.5	1.5						130±	150			
11			3.5	1.5						130±	150			
12			3.5	1.5						130±	150			
13	1:30		3.5	1.5						130±	150			
14	1:45		3.5	1.5						130±	150			
15			3.5	1.5						130±	150			
16			3.5	1.5						130±	150			
17			3.5	1.5						130±	150			
18			3.5	1.5						130±	150			

TOTAL MIXED
6-25-03
2700 GALLONS

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC Grout Material: SLURRY Date: 6-25-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	B	10'	8:10m			0		2 c.f.		
		9'				0		2		
		8'				0		2		
		7'				0		2		
		6'				0		2		
		5'				0		2		
		4'				0		2		
		3'				0		2		
		2'								R
										16 c.f.
AREA III	25	17'				20	30	1 c.f.		
		16'				15	25	1		
		15'				15	25	1		
		14'				0	3	1		LOW PRESSURES
		13'				0	3	1		
		12'				0	3	1		
		11'				0		30		PSI INCREASED TO 3
		10'				0		5		" " " 5
		9'				5	10	2.5		
		8'				5	10	2.5		
		7'				4	8	2.5		
		6'				4	8	2.5		
		5'				4	8	2.5		
		4'				4	10	2.5		
		3'				4	10	2.5		
		2'				2	4	2.5		
										61 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SALCEDO

Job Name: COOPER CRAWE INC. Grout Material: SLURRY Date: 6-25-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	23	17'	9:50am			8	25	1 c.f.		PIPE PLUGGED
		16'				5	9	1		RE-DRIVE TO 17
		15'				5	9	1		& GROUTED
		14'				5	9	1		
		13'				5	9	1		
		12'				4	8	1		
		11'				4	8	1		
		10'				4	8	1		
		9'				4	8	2.5		
		8'				2	6	2.5		
		7'				4	8	2.5		
		6'				4	8	2.5		
		5'				4	8	2.5		
		4'				4	8	2.5		
		3'				4	8	2.5		
		2'				4	8	2.5		28 c.f.
AREA IV	21	17'	10:20			0	2	10 c.f.		
		16'				2	4	3		C → # 23
		15'				0	2	3		PSI INCR. TO 10
		14'				3	10	1		
		13'				3	10	1		
		12'				3	10	1		
		11'				3	10	1		
		10'				3	10	1		
		9'				3	10	2.5		
		8'				3	10	2.5		
		7'				5	10	2.5		
		6'				5	10	2.5		
		5'				5	10	2.5		
		4'				5	10	2.5		
		3'				5	10	1	R	
		2'				5	10	1	R	38 CF.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36064 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-25-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	19	17'				10	20	1CF		
		16'				10	20	1		
		15'				10	20	1		
		14'				10	15	1		
		13'				10	15	1		
		12'				5	10	4		
		11'				5	10	1		
		10'				5	10	1		R @ PIPE SLOWED PUMP
		9'				0		23		R GROUND SURFACE
		8'				0		1 c.F.		R " "
		7'				0		1		R " "
		6'								R NO TAKE
		5'								R " "
		4'								R " "
		3'								R " "
		2'								R " "
										36 c.F.
AREA IV	6	9'				0		57 c.F.		R GROUND SURFACE
		8'				0		3 c.F.		R
		7'								R NO TAKE
		6'								R NO TAKE
		5'				0		2 c.F.		R
		4'				0		1 c.F.		R
		3'								R NO TAKE
		2'								R
										THIS POINT IS CONTINUED FROM 6-24-03
										63 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-25-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
REA IV	4	17'	2:15 PM			0		28 C.F.		PSI ↑ 5
		16'				0		54 C.F.		END OF DAY
		15'								
		14'								82 C.F.
		13'								
		12'								WASHED OUT,
		11'								WILL CONTINUE ON
		10'								6-26-03
		9'								
		8'								
		7'								
		6'								
		5'								
		4'								
		3'								
		2'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Foreman: JORGE SAUCEDO
Mixman: JOSE OROZCO
Date: 6-26-03

Job No. 36664
Job Name: COOPER CRANE INC

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.			WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:30 AM		3.5	1.5						130±	150	GALLONS		
2			3.5	1.5						130±	150			
3			3.5	1.5						130±	150			
4			3.5	1.5						130±	150			
5			3.5	1.5						130±	150			
6	1:35 PM		3.5	1.5						130±	150			
7			3.5	1.5						130±	150			

TOTAL MIXED
6-26-03
1050 GALLONS

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-26-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A 4	15'	7:45			10	20	1 c.f.		
	14'				10	20	1		
	13'				10	20	1		
	12'				10	20	1		
	11'				10	16	1		
	10'				10	16	1		R SLOWED PUMP
	9'				10	16	1		R " "
	8'				4	6	1		R
	7'				—	—	—		R NO TAKE
	6'				2	4	1		R GROUND SURFACE
	5'				2	4	.5		R " "
	4'				2	4	.5		R
	3'				—	—	—		R NO TAKE
	2'				—	—	—		R NO TAKE
									10 c.f.
1	17'					30+	—		HIGH PRESSURE
	16'				15	30	1 c.f.		
	15'				15	25	1		
	14'				10	25	1		
	13'				8	20	1		
	12'				5	20	1		
	11'				5	20	1		
	10'				5	10	1		R GROUND SURFACE
	9'				—	—	—		R NO TAKE SLOWED PUMP
	8'				—	—	—		R
	7'				4	8	1		R
	6'				—	—	—		R PIPE SNAPPED
	5'				2	4	2.5		
	4'				2	4	2.5		
	3'				2	4	1 c.f.		R GROUND SURFACE
	2'				—	—	—		R NO TAKE
									14 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-26-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A 7	17'	9:30 am				30+			HIGH PRESSURE
	16'				4	10	1 c.f.		
	15'				4	10	1		
	14'				4	10	1		
	13'				4	10	1		
	12'				4	10	1		
	11'				4	10	1		
	10'				4	6	1		
	9'				4	6	2.5		
	8'				2	4	2.5		
	7'				3	8	2.5		
	6'				3	8	2.5		R SLOWED PUMP
	5'				2	4	2.5		R " "
	4'				0	2	5 c.f.		" "
	3'				0	2	2.5		" "
	2'								R GROUND SURFACE
									27 c.f.
A 8	17'	10:15 am				30+	—		HIGH PRESSURE
	16'					30+	—		" "
	15'				10	25	1 c.f.		SLOWED PUMP
	14'				10	25	1		
	13'				7	15	1		
	12'				7	15	1		
	11'				7	15	1		
	10'				4	8	1		
	9'				4	8	2.0		R C→ #6
	8'								R NO TAKE
	7'								R " "
	6'								R " "
	5'								R " "
	4'								R " "
	3'								R " "
	2'								R " "
									8 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-26-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
A 9	17'	10:50			10	20	1 c.f.		
	16'				10	25	1		
	15'				7	18	1		
	14'				7	18	1		
	13'				5	15	1		
	12'				5	15	1		
	11'				5	15	1		R
	10'				5	15	1		~~psi ↑ 5~~
	9'				0	2	6.5		psi ↑ 5
	8'				2	4	2.5		
	7'				2	4	2.5		R SLOWED PUMP DOWN
	6'				0		8		R psi ↑ " " "
	5'				0	2	2.5		psi ↑ 5
	4'				0	2	2.5		" " "
	3'				0	2	2.5		
	2'								R NO TAKE
									(35 c.f.)
A ~~1.5~~	17'								HIGH PRESSURE
I	16'								" "
	15'				5	10	1 c.f.		
	14'				4	8	1		
	13'				4	8	1		
	12'				4	8	.5		R ±5'
	11'				4	8	.5		observe migration to test pipe
	10'								R NO TAKE
	9'								R " "
	8'								R
	7'								R
	6'								R
	5'								R
	4'								R
	3'								R
	2'								R
									(4 c.f.)

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-26-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
10	17'					30+	—		HIGH PRESSURE
	16'					30+	—		
	15'					30+	—		
	14'				10	20	1 c.f.		
	13'				4	15	1 c.f.		
	12'				4	15	1		
	11'				4	15	1		
	10'				—	—	—		R SLOWED PUMP DOWN
	9'				4	10	2.5 c.f.		R
	8'				4	10	2.5		
	7'				4	10	2.5		
	6'				2	10	2.5		R
	5'				—	—	—		R NO TAKE
	4'				—	—	—		R " "
	3'				—	—	—		R " "
	2'				—	—	—		R " "
									14 c.f.
12	17'					30+	—		HIGH PRESSURE
	16'					30+	—		" "
	15'				5	20	1 c.f.		
	14'				5	10	1		
	13'				3	5	1		
	12'				2	4	1		
	11'				0	2	4		psi ↑ 5
	10'				2	4	1		R
	9'				2	4	2.5		R
	8'				2	4	2.5		R END OF DAY
	7'				—	—	—		
	6'				—	—	—		14 c.f.
	5'				—	—	—		
	4'								
	3'								
	2'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Foreman: JORGE SAUCEDO
Mixman: JOSE OROZCO
Date: 6-27-03

ob No. 3664
ob Name: COOPER CRANE INC.

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.			WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:20am		3.5	1.5						130±	150			
2	7:30		3.5	1.5						130±	150			
3			3.5	1.5						130±	150			
4	8:50		3.5	1.5						130±	150			
5			3.5	1.5						130±	150			
6			3.5	1.5						130±	150			
7			3.5	1.5						130±	150			
8			3.5	1.5						130±	150			
9			3.5	1.5						130±	150			
10			3.5	1.5						130±	150			
11			3.5	1.5						130±	150			
12			3.5	1.5						130±	150			
13			3.5	1.5						130±	150			
14			3.5	1.5						130±	150			
15	1:40pm		3.5	1.5						130±	150			

TOTAL MIXED
6-27-03
2250 GALLONS

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 36064 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-27-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	12	7'	7:30m			0	3	6 c.F		Psi↑ 6-8 CONTINUED FROM 6-26
		6'				6	8	2.5		
		5'				6	8	2.5		
		4'				0	3	4 c.F.		Psi ↑ 6-8
		3'				0	3	3.5		R " " " GROUND SURF
		2'				0	3	1.5		R GROUND SURFACE
										20 c.F.
AREA IV	14	17'	8:00			4	8	1 c.F.		
		16'				4	8	1		
		15'				4	8	1		
		14'				2	4	2.5		LOW PRESSURE
		13'				5	10	1		
		12'				5	10	1		
		11'				5	10	1		
		10'				5	10	1		
		9'				6	8	2.5		SLOWED PUMP
		8'				6	8	2.5		" "
		7'				6	8	2.5		" "
		6'				6	8	2.5		" "
		5'				6	8	1.5		R GROUND SURFACE
		4'								R NO TAKE
		3'								R " "
		2'								R " "
										21 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SANCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-27-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV	15	17'	8:40			0		5 c.F.		psi ↑ 3
		16'				0		5		" " "
		15'				0	2	20		LOW PRESSURE
		14'				0	2	18		" "
		13'				0	2	18		" "
		12'				3	8	8		" "
		11'				0	3	5		psi ↑ 8
		10'				0	5	2		
		9'				0	5	2.5		psi ↑ 8
		8'				0	5	2.5		" " " SLOWED R/M
		7'				2	4	5		
		6'				2	4	2.5		
		5'				0	5	5		LOW PRESSURE
		4'				2	4	5		R GROUND SURFACE
		3'				—	—	—		R NO TAKE
		2'				—	—	—		R " "
										103.5 c.F.
AREA I	26	17'	10:30am			8	10	1 c.F.		
		16'				6	8	1		
		15'				6	8	1		
		14'				2	4	27 cF		psi ↑ 20
		13'				2	6	5 cF		
		12'				3	8	2 cF		
		11'				3	8	2 cF		
		10'				3	5	2		Return
		9'				3	10	2.5		
		8'				3	10	2.5		
		7'				3	10	2.5		
		6'				3	8	1 cF		R
		5'				3	8	1		R
		4'				3	8	.5		R
		3'				—	—	—		R
		2'				—	—	—		R
						—	—	—		5 c.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-27-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
AREA IV 24	17'	11:25 am			10	18	1 CF		
	16'				10	18	1 CF		
	15'				10	18	1 CF		
	14'				10	18	1 CF		
	13'				10	15	1 CF		
	12'				10	15	1 CF		
	11'				10	15	1		
	10'				10	15	1		
	9'				5	12	2.5		SLOW PUMPING
	8'				5	12	2.5		" "
	7'				5	12	2.5		" "
	6'				5	10	2.5		" "
	5'				4	8	2.5		" "
	4'				4	8	2.5		" "
	3'				5	10	2.5		
	2'				5	10	2.5		
									28 C.F.
AREA IV 22	17'	1:10 pm			10	20	1 C.F.		
	16'				5	10	2		
	15'				5	10	1		
	14'				5	10	1		
	13'				5	10	1		
	12'				5	10	1		
	11'				5	10	1		
	10'				4	8	1		
	9'				4	8	2.5		
	8'				4	8	2.5		
	7'				4	8	2.5		
	6'				3	6	1 CF		R GROUND SURFACE
	5'				3	6	1 CF		R " "
	4'				3	6	1 CF		R
	3'				—	—	—		R
	2'				—	—	—		R
									19.5 C.F.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCRIDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-27-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
	20	17'	2:05pm			2	4	7 c.f.		LOW PRESSURES
AREA IV		16'				5	10	1		
		15'				5	10	1		
		14'				5	10	3		
		13'				5	10	3		R SLOW PUMPING, GROUND SU
		12'								
		11'								
		10'								
		9'								
		8'								
		7'								
		6'								
		5'								
		4'								
		3'								
		2'								
										15 c.f.
		17'								HIGH PRESSURE
AREA IV		16'								HIGH PRESS
		15'				0		8 c.f.		LOW PRESSURE
		14'				0		4 c.f.		" "
		13'								END OF DAY
		12'								
		11'								
		10'								
		9'								
		8'								
		7'								
		6'								
		5'								
		4'								
		3'								
		2'								
										12 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

MIXING LOG

Job No. 3664

Job Name: COOPER CRANE INC.

Foreman JORGE SAUCEDO

Mixman JOSE OROZCO

Date: 6-30-03

BATCH NO.	TIME	Tank No.	CEMENT	GEL	WATER	TOTAL	Tank No.			WATER	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1	7:45		3.5	1.5						130±	150 GALLONS			
2			3.5	1.5						130±	150			
3			3.5	1.5						130±	150			
4			3.5	1.5						130±	150			
5	9:20		3.5	1.5						130±	150			
6			3.5	1.5						130±	150			
7			3.5	1.5						130±	150			
8			3.5	1.5						130±	150			
9	10:25		3.5	1.5						130±	150			
10	12:35		3.5	1.5						130±	150			
11	1:00		2	1						65±	75			
12			2	1						65±	75			

TOTAL MIXED
6-30-03
1650 GALLONS

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PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-30-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
REA IV	11	17'	8:00 AM							CONTINUED FROM
		16'								6-27-03 NEW
		15'				0		2 c.f.		R @ PIPE SLOWED PUM
		14'				0		8		R GROUND SURFACE
		13'				0		1		R " "
		12'								R
		11'								R
		10'				0		1		R
		9'				0		1		R
		8'				0				R
		7'				0	2	2		R GROUND SURFACE
		6'								R
		5'								R
		4'								R
		3'								R
		2'								R
										R 15 c.f.
REA IV	13	17'	8:30			0		23 c.f.		psi ↑ 5-12
		16'				4	10	1		
		15'				4	10	1		
		14'				4	10	1		
		13'				4	10	1		
		12'				4	10	1		
		11'				4	10	1		
		10'				4	10	1		SLOWED PUMP
		9'				3	8	2.5		
		8'				3	8	2.5		
		7'				2	6	2.5		
		6'				2	6	2.5		
		5'				0		3		psi ↑ 2-4
		4'				0		2		R
		3'								R
		2'								R
										45 c.f.

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

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PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-30-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
REA IV	16	17'	9:20			0		16 c.f.		LOW PRESSURES psi ↑ 8
		16'				0	4	22 c.f.		psi ↑ 7
		15'				0	4	4		psi ↑ 8
		14'				0	4	2		" " "
		13'				0		9		" " "
		12'				2	6	3		
		11'				2	4	3		psi ↑ 8
		10'				8	12	1		
		9'				4	7	4		SLOWED PUMP DOWN
		8'				2	6	2.5		
		7'				2	6	2.5		
		6'								R @ PIPE
		5'				2	6	2.5		
		4'				2		2.5		Low PRESSURE - psi ↑ 6
		3'				2	6	2		R
		2'								R NO TAKE
										(76 c.f.)
REA IV	17	17'				3	10	1 c.f.		TEST PIPE BETEWEEN 17 &
		16'				3	10	1 c.f.		C → # 16
		15'				4	8	5		C → TEST PIPE WATER THEN GR
		14'				4	8	2.5		Return
		13'				4	10	1 CF		
		12'				4	10	1 CF		
		11'				4	10	1 CF		
		10'				4	10	1 CF		
		9'				4	10	1.5		R
		8'				5	10	2.5		
		7'				5	10	2.5		C → TEST HOLE
		6'								R NO TAKE
		5'								R " "
		4'								R " "
		3'								R " "
		2'								R " "
										(20 c.f.)

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-30-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
REA V 27	17'	12:57			5	15	1 c.F.		BETWEEN 14 & 15
	16'				5	15	1		
	15'				5	15	1		
	14'				5	15	1		
	13'				5	15	1		C → #3
	12'				2	10	1		
	11'				2	10	1		
	10'				2	10	1		
	9'				5	10	2.5		R
	8'				5	10	1.5		C → #12
	7'								R @ PIPE
	6'								R " "
	5'								R " "
	4'								R " "
	3'								R " "
	2'								R " "
									12 c.F.
	~~22'~~								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

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PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3664 Foreman JORGE SAUCEDO

Job Name: COOPER CRANE INC. Grout Material: SLURRY Date: 6-30-03

	POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
	18	17'	10:55				30+	—		HIGH PRESSURE
AREA V		16'				10	15	1 c.f.		C → 17
		15'				10	15	1 c.f.		C → TEST HOLE
		14'								R GROUND SURFACE
		13'				0		1		R " "
		12'								R " "
		11'								R " "
		10'								R " "
		9'								R " "
		8'								R " "
		7'								R " "
		6'								R " "
		5'								R " "
		4'								R " "
		3'								R " "
		2'								R " "
										(3 c.f.)
	28	17'	12:45 PM			2	10	1 c.f.		BETWEEN 25 & 26
AREA IV		16'				2	10	1		
		15'				8	20	1		
		14'				5	15	1		
		13'				5	15	1		
		12'				5	15	1		
		11'				5	15	1		
		10'				5	10	1		
		9'				5	10	2.5		
		8'								
		7'								
		6'								
		5'								
		4'								
		3'								
		2'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

Additional Grouting Event (October 6, 2003 – October 10, 2003) Grout Logs

PRESSURE GROUT COMPANY

PUMPING LOG

AREA 1

Job No. 3710 Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S.T. Grout Material: lense grout Date: 10-6-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
1	17'	1030	1105		0	0	36 C.F.		
	16'								
	15'								
	14'								
	13'								
	12'								
	11'								
	10'								
	9'								
	8'								
	7'								
	6'								
	5'								
	4'								
	3'								
	2'								
2	17'	1110			1	2	18 C.F.		
	16'				1	2	18 C.F.		
	15'				1	2	18 C.F.		
	14'				1	2	18 C.F.		
	13'				1	2	18 C.F.		
	12'				1	2	18 C.F.		
	11'				1	2	18 C.F.		
	10'		~~1330~~		1	2	18 C.F.		
	9'		1330		1	2	18 C.F.		
	8'								
	7'								
	6'								
	5'								
	4'								
	3'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG
AREA - 1

Job No. 3710

Foreman Moises Caballero.

Job Name: INNOVATIVE TECHNICAL S.A. Grout Material: lense grout

Date: 10-6-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
3	17'	1335			1	2	18 C.F.		
	16'				1	2	18 CF.		
	15'				1	2	18 CF.		
	14'				1	2	18 CF.		
	13'				1	2	18 CF.		
	12'				1	2	18 CF.		
	11'				1	2	18 C.F.		
	10'				1	2	18 C.F.		
	9'		1510		1	2	18 C.F.		R for hol #3
4	17'	1515			1	2	18 C.F.		
	16'				1	2	18 C.F.		
	15'				1	2	18 C.F.		
	14'				1	2	18 C.F.		
	13'		1610		1	2	18 C.F.		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

Job No. 3700

Job Name: INNOVATIVE TECHNICAL SOLUTION, INC

MIXING LOG

Foreman MOISES CABALLERO

Mixman CARLOS MADRIGAL

Date: 10-6-03

BATCH NO.	TIME	Tank No.	CEMENT	BENTONITE	WATER	TOTAL	Tank No.	PGA		WATER GAL	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1			3 1/2	1				1		120 ±	140 GAL			
2			3 1/2	1				1		120 ±	140			
3			3 1/2	1				1		120 ±	140			
4			3 1/2	1				1		120 ±	140			
5			3 1/2	1				1		120 ±	140			
6			3 1/2	1				1		120 ±	140			
7			3 1/2	1				1		120 ±	140			
8			3 1/2	1				1		120 ±	140			
9			3 1/2	1				1		120 ±	140			
10			3 1/2	1				1		120 ±	140			
11			3 1/2	1				1		120 ±	140			
12			3 1/2	1				1		120 ±	140			
13			3 1/2	1				1		120 ±	140			
14			3 1/2	1				1		120 ±	140			
15			3 1/2	1				1		120 ±	140			
16			3 1/2	1				1		120 ±	140			
17			3 1/2	1				1		120 ±	140			
18			3 1/2	1				1		120 ±	140			
19			3 1/2	1				1		120 ±	140			
20			3 1/2	1				1		120 ±	140			
21			3 1/2	1				1		120 ±	140			
22			3 1/2	1				1		120 ±	140			
23			3 1/2	1				1		120 ±	140			
24			3 1/2	1				1		120 ±	140			
25			3 1/2	1				1		120 ±	140			

PRESSURE GROUT COMPANY

Job No. 3710

Job Name: INNOVATIVE TECHNICAL S.I.

MIXING LOG

AREA — 1

Lense grout

Foreman Moises Caballero

Mixman Carlos Madrigal

Date: 10-7-03

BATCH NO.	TIME	Tank No.	CEMENT	BENTONITE	WATER	TOTAL	Tank No.	PGA		WATER GAL	TOTAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1			3 1/2	1 1/2				1		120 ±	140 GAL			
2			3 1/2	1 1/2				1		120 ±	140			
3			3 1/2	1 1/2				1		120 ±	140			
4			3 1/2	1 1/2				1		120 ±	140			
5			3 1/2	1 1/2				1		120 ±	140			
6			3 1/2	1 1/2				1		120 ±	140			
7			3 1/2	1 1/2				1		120 ±	140			
8			3 1/2	1 1/2				1		120 ±	140			
9			3 1/2	1 1/2				1		120 ±	140			
10			3 1/2	1 1/2				1		120 ±	140			
11			3 1/2	1 1/2				1		120 ±	140			
12			3 1/2	1 1/2				1		120 ±	140			
13			3 1/2	1 1/2				1		120 ±	140			
14			3 1/2	1 1/2				1		120 ±	140			
15			4	1 1/2				1		120 ±	140			
16			4	1 1/2				1		120 ±	140			
17			3 1/2	1 1/2				1		120 ±	140			
18			3 1/2	1 1/2				1		120 ±	140			

PRESSURE GROUT COMPANY

PUMPING LOG

AREA – 1

Job No. 3710

Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S.I. Grout Material: lense grout Date: 10-7-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
6	17'				3	8	4 C.F.		
	16'				1	3	4 C.F.		
	15'				1	3	4 C.F.		
	14'				1	3	4 C.F.		
	13'				1	3	4 C.F.		
	12'				1	3	4 C.F.		
	11'				1	3	4 C.F.		
	10'				1	3	4 C.F.		
	9'								
	8'				1	3	2½ C.F.		
	7'				1	3	2½ C.F.		
	6'				1	3		15	R
	5'				1	3		2	R
	4'				0	0		2	R
	3'				0	0		2	R
7	17'				5	15	4 C.F.		Retur Pipe # 6
	16'				6	12	4 C.F.		
	15'				1	3	4 C.F.		
	14'				1	3	4 C.F.		
	13'				2	6	4 C.F.		
	12'				3	8	4 C.F.		
	11'				3	8	4 C.F.		
	10'				3	8	4 C.F.		
	9'				3	8	4 C.F.		
	8'				3	6	2½ C.F.		R
	7'				0	0	[redacted]	15	R
	6'				0	0		3	R
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		2	R

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

AREA – 1

Job No. 3710 Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S.I. Grout Material: lense grout Date: 10-7-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
3	8'				0	2	2½ C.F.		
	7'				0	2	2½ C.F.		
	6'				0	2	2½ C.F.		
	5'				0	2		6	R
	4'				0	2		2	R
	3'				0	2		2	R
4	8'				0	2	2½ C.F.		
	7'				0	2	2 C.F.		R
	6'				0	0		2	R
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		2	R
2	8'				0	2	2½ C.F.		
	7'				1	2	2½ C.F.		
	6'				0	0		6	R
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		1	R
1	16'				1	2	3 C.F.		
	15'				1	2	3 C.F.		
	14'				1	2	3 C.F.		
	13'				1	2	3 C.F.		
	12'				1	3	3 C.F.		
	11'				1	3	3 C.F.		
	10'				1	3	3 C.F.		
	9'				1	3	3 C.F.		
8	17'				4	12	3 C.F.		
	16'				2	6	3 C.F.		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 AREA - 1 Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S.I. Grout Material: Ensc grout Date: 10-7-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
4	12'				1	3	12 C.F.		Grout refor for hol #3
	11'				1	3	2 C.F.		R
	10'				1	2	2 C.F.		R
	9'				1	2	2 C.F.		R
	8'					1	2	12	R
	7'					0	0	6	R
	6'					0	0	2	R
	5'					0	0	2	R
	4'					0	0	2	R
	3'					0	0	2	R
5	17'				1	3	18 C.F.		
	16'				1	3	16 C.F.		Pressure up to 10 psi
	15'				1	3	20 C.F.		
	14'				1	3	18 C.F.		
	13'				1	2	18 C.F.		
	12'				1	2	18 C.F.		
	11'				1	2	18 C.F.		
	10'				1	2	18 C.F.		
	9'				1	2	18 C.F.		
	8'				0	3		2	R
	7'				0	0		2	R
	6'				0	0		2	R
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		2	R

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 1

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710

Job Name: INNOVATIVE TECHNICAL INC Grout Material: Lense grout

Foreman Moises Caballero.

Date: 10-8-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
9	17'				4	8	3 C.F.		
	16'				2	6	3 C.F.		
	15'				0	5	3 C.F.		
	14'				0	3	3 C.F.		
	13'				1	4	3 C.F.		
	12'				1	3	3 C.F.		
	11'				1	3	3 C.F.		
	10'				1	3	3 C.F.		
	9'				1	3	3 C.F.		
8	15'				0	2	3 C.F		Retor for pipe #9
	14'				0	2	3 CF.		"
	13'				0	2	3 CF.		"
	12'				0	2	3 C.F.		"
	11'				0	2	3 CF.		"
	10'				0	2	3 C.F.		
	9'				0	2			
10	17'				4	6	3 C.F.		
	16'				0	2	3 CF.		
	15'				0	2	3 CF.		
	14'				0	2	3 C.F.		
	13'				0	2	3 C.F.		
	12'				0	2	3 C.F.		
	11'				0	0	3CF.		
	10'				0	0	3 CF.		
	9'				0	0	3 C.F.		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 1

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710

Foreman Moises Caballero.

Job Name: INNOVATIVE TECHNICAL INC Grout Material: Lense grout Date: 10-8-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
11	17'				0	6	3 C.F.		
	16'				0	2	3 C.F.		
	15'				0	2	3 C.F.		
	14'				0	2	3 C.F.		
	13'				0	2	3 C.F.		
	12'				0	2	3 C.F.		
	11'				0	2	3 C.F.		
	10'				0	2	3 C.F.		
	9'				0	2	3 C.F.		
12	17'				0	2	3 C.F		
	16'				0	2	3 C.F		
	15'				0	2	3 C.F		
	14'				0	2	3 C.F		
	13'				0	2	3 C.F		
	12'				0	2	3 C.F		
	11'				0	2	3 C.F		
	10'				0	2	3 C.F		
	9'				0	0	3 C.F		
									low pressure
13	17'				10	15	3 C.F		
	16'				10	15	3 C.F		
	15'				0	0	3 C.F		
	14'				0	2	3 C.F		
	13'				0	2	3 C.F		
	12'				0	0	3 C.F		
	11'				0	0	3 C.F		
	10'				0	0	3 C.F		
	9'				0	0	3 C.F		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

AREA- 1

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710

Foreman Moises Caballero.

Job Name: INNOVATIVE TECHNICAL INC Grout Material: Lense grout Date: 10-8-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
14	17'				0	0	3 CF		Low pressure in 17' EERTS
	16'				0	0	3 CF		
	15'				0	0	3 CF		
	14'				0	0	3 CF		
	13'				0	0	3 C.F.		
	12'				0	0	3 CF.		
	11'				0	0	3 CF.		
	10'				0	0	3 CF.		
	9'				0	0	3 CF.		
1	8'				0	S	2½ C.F.		
	7'				0	S	2½ CF.		
	6'				0	S	2½ CF.		
	5'				0	S	2½ C.F.		
	4'				0	0		2	R
	3'				0	0		2	R
8	8'				6	10	2½ C.F.		
	7'				1	4	2½ C.F.		
	6'				1	4	1 C.F.		R
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		2	R
9	8'				2	4	2½ C.F.		
	7'				2	4	2½ C.F.		
	6'				2	3	2½ C.F.		
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		2	R

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA – 1

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moisés Caballero

Job Name: INNOVATIVE TECHNICAL INC Grout Material: lense grout Date: 10-8-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
10	8'				0	4	2½ C.F.		
	7'				0	4	2½ C.F.		
	6'				0	2	2½ C.F.		
	5'				0	0		18	R
	4'				0	0		2	R
	3'				0	0		2	R
11	8'				0	3		23	R
	7'				0	0		2	R
	6'				0	0	2½ C.F.		
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0		2	R
12	8'				0	0	2½ CF		
	7'				0	0	2½ CF		
	6'				0	0	2½ CF		
	5'				0	0	2½ CF		
	4'				0	0	2½ CF		
	3'				0	0	2½ CF		
					0	0	2½ CF		
13	8'				0	0	2½ CF		
	7'				0	0	2½ CF		
	6'				0	0	2½ CF		
	5'				0	0	2½ CF		
	4'				0	0	2½ CF		
	3'						2½ CF		
14	8'				0	0	2½ CF		
	7'				0	0	2½ CF		
	6'				0	0	2½ CF		
	5'				0	0	2½ CF		
	4'				0	0	9 C.F.	←	TO FINISH OUT LAST BATCH OF THE DAY
	3'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

PRESSURE GROUT COMPANY

AREA - 1

MIXING LOG

Job No. 3710

Job Name: INNOVATIVE TECHNICAL SOLUTION, INC

Foreman MOISES CABALLERO

Mixman CARLOS MADRIGAL

Date: 6-8-03

BATCH NO.	TIME	Tank No.	CEMENT	BENTONITE	WATER	TOTAL	Tank No.	P6A		WATER GAL	TOTAL GAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1			3 1/2	1 1/2				1		120 ±	140 GAL			
2			3 1/2	1 1/2				1		120 ±	140 GAL			
3			3 1/2	1 1/2				1		120 ±	140			
4			3 1/2	1 1/2				1		120 ±	140			
5			3 1/2	1 1/2				1		120 ±	140			
6			3 1/2	1 1/2				1		120 ±	140			
7			3 1/2	1 1/2				1		120 ±	140			
8			3 1/2	1 1/2				1		120 ±	140			
9			3 1/2	1 1/2				1		120 ±	140			
10			3 1/2	1 1/2				1		120 ±	140			
11			3 1/2	1 1/2				1		120 ±	140			
12			3 1/2	1 1/2				1		120 ±	140			
13			3 1/2	1 1/2				1		120 ±	140			
14			3 1/2	1 1/2				1		120 ±	140			
15			4	1 1/2				1		120 ±	140			
16			4	1 1/2				1		120 ±	140			

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710

Foreman Moisés Caballero.

Job Name: INNOVATIVE TECHNICAL INC Grout Material: Lense grout Date: 10-9-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
18	8'				0	2	1 CF.		
	7'				0	0		2	R hol # 17
	6'				0	0		2	R for hol # 17
	5'				0	0		2	R "
	4'				0	0		2	R "
	3'				0	0		2	R "
19	8'				0	0	2 1/2 CF		
	7'				0	0	2 1/2 CF		
	6'				0	0	2 1/2 CF		
	5'				0	0	1/2 CF		Return
	4'				0	0		2	Return
	3'				0	0		2	Return
20	8'				0	0	2 1/2 CF		
	7'				0	0	2 1/2 CF		
	6'				0	1	2 1/2 CF		
	5'				0	0	2 1/2 CF		
	4'				0	0	2 1/2 CF		
	3'				0	0	2 1/2 CF		
21	8'				0	0	2 1/2 CF		
	7'				0	0	1		The Grout coming up
	6'				0	0			by The WALL
	5'				0	0		2	— R
	4'				0	0		5	— R
	3'				0	0		5	— R
					0	0		2	— R

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 1

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moisés Caballero.

Job Name: INNOVATIVE TECHNICAL INC Grout Material: lense grout Date: 10-9-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
21	17'				1	3	3 C.F.		
	16'				0	3	3 C.F.		
	15'				0	3	3 C.F.		
	14'				0	3	3 C.F.		
	13'				0	3	3 C.F.		
	12'				0	3	3 C.F.		
	11'				0	3	3 C.F.		
	10'				0	3	3 C.F.		
	9'				0	3	3 C.F.		
15	8'				0	1	2 1/2 CF		
	7'				0	1	2 1/2 CF		
	6'				0	1	2 1/2 CF		
	5'				0	1	2 1/2 CF		
	4'				0	1	2 1/2 CF		
	3'				0	1	2 1/2 CF		
16	8'				0	1	2 1/2 CF		retur for pipe # 17
	7'				0	1	2 1/2 CF		
	6'				0	1	2 1/2 CF		
	5'				0	1	1 1/2 CF		Return
	4'				0	1	2 1/2 CF		
	3'				0	1	2 1/2 CF		
17	8'				0	2	2 1/2 CF		The Grout Return for the #
	7'				0	0	2 1/2 C.F.		Retur for hole # 18
	6'				0	0		11	retur for pipe # 18
	5'				0	0		2	"
	4'				0	0		2	"
	3'				0	0		2	"

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 1

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moisés Caballero.

Job Name: INNOVATIVE TECHNICAL INC Grout Material: Tense grout Date: 10-9-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
15	17'				1	3	3 C.F.		
	16'				1	3	3 C.F.		
	15'				1	3	3 C.F.		
	14'				1	3	3 C.F.		
	13'				1	3	3 CF		
	12'				0	1	3 CF		
	11'				0	1	3 CF		
	10'				0	1	3 CF		
	9'				0	0	3 CF		
16	17'				0	0	3 C.F.		
	16'				0	0	3 C.F.		
	15'				0	0	3 C.F.		
	14'				0	0	3 CF.		
	13'				0	0	3 CF.		
	12'				0	0	3 C.F.		
	11'				0	0	3 CF.		
	10'				0	0	3 C.F.		
	9'				0	0	3 CF.		
17	17'				0	6	3 C.F.		
	16'				0	5	3 CF.		
	15'				0	4	3 C.F.		
	14'				0	4	3 C.F.		
	13'				0	3	3 C.F.		
	12'				0	3	3 CF.		
	11'				0	3	3 CF.		
	10'				0	0	3 C.F.		
	9'				0	0	3 C.F.		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 1

PRESSURE GROUT COMPANY

PUMPING LOG

Foreman Moisés Caballero.

Job No. 3710

Job Name: INNOVATIVE TECHNICAL INC Grout Material: lense grout Date: 10-9-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
18	17'				0	4	3 C.F.		
	16'				0	4	3 C.F.		
	15'				0	4	3 C.F.		
	14'				0	3	3 C.F.		
	13'				0	3	3 C.F.		
	12'				0	3	3 C.F.		
	11'				0	3	3 C.F.		
	10'				0	3	3 C.F.		
	9'				0	3	3 C.F.		
19	17'				0	5	3 C.F.		Return for hole # 18
	16'				0	5	3 C.F.		Return for hole # 18
	15'				0	4	3 C.F.		Return "
	14'				0	4	3 C.F.		Return "
	13'				0	4	3 C.F.		"
	12'				0	4	3 C.F.		"
	11'				0	4	3 C.F.		"
	10'				0	3	3 C.F.		"
	9'				0	3	3 C.F.		"
20	17'				0	3	3 C.F.		
	16'				0	3	3 C.F.		
	15'				0	3	3 C.F.		
	14'				0	3	3 C.F.		
	13'				0	3	3 C.F.		
	12'				0	3	3 C.F.		
	11'				0	3	3 C.F.		
	10'				0	3	3 C.F.		
	9'				0	3	3 C.F.		

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 1

PRESSURE GROUT COMPANY

MIXING LOG

Foreman Moises Caballero

Mixman Carlos Madrigal

Job No. [redacted] 3710

Date: 10-9-03

Job Name: INNOVATIVE TECHNICAL SOLUTION INC

BATCH NO.	TIME	Tank No.	CEMENT	BENTONITE	WATER	TOTAL	Tank No.	PGA		WATER GAL	TOTAL GAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1			3 1/2	1 1/2				1		120 ±	140 GAL			
2			3 1/2	1 1/2				1		120 ±	140			
3			3 1/2	1 1/2				1		120 ±	140			
4			3 1/2	1 1/2				1		120 ±	140			
5			3 1/2	1 1/2				1		120 ±	140			
6			3 1/2	1 1/2				1		120 ±	140			
7			3 1/2	1 1/2				1		120 ±	140			
8			3 1/2	1 1/2				1		120 ±	140			
9			3 1/2	1 1/2				1		120 ±	140			
10			2	3/4				1/2		50 ±	70			
11			4	1 1/2				1		120 ±	140			
12			4	1 1/2				1		120 ±	140			
13			4	1 1/2				1		120 ±	140			
14			2	3/4				1/2		50 ±	70			
[redacted]														
			AREA 2 ↓											
15			3 1/2	1 1/2				1		120 ±	140			
16			3 1/2	1 1/2				1		120 ±	140			

AREA - 2

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moises Caballero.

Job Name: INNOVATIVE TECHNICAL S. INC Grout Material: Lense grout Date: 10-9-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
5	17'				10	15	3 CF		
	16'				5	7	3 CF		Return
	15'				0	2	+	3 strokes	
	14'							1	R
	13'							1	R
	12'								R
	11'								R
	10'								R
	9'								R
4	17'				10	15	3 CF		
	16'				5	10	3 CF		
	15'				5	10	3 CF		
	14'				5	10	3 CF		
	13'				0	2	3 CF		
	12'				0	2	3 CF		
	11'				0	2	3 CF		
	10'				0	2	3 CF		
	9'				0	3	3 CF		
	8'				0	3	2 1/2 CF		
	7'				0	3	2 1/2 CF		
	6'				0	3	2 1/2 CF		
	5'				0	3	2 1/2 CF		
	4'				0	3	2 1/2 CF		
	3'								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 2

PRESSURE GROUT COMPANY

Job No. 3710

Job Name: INNOVATIVE TECHNICAL SOLUTION INC

MIXING LOG

Foreman Moises Caballero

Mixman Carlos Madrigal

Date: 10-10-03

BATCH NO.	TIME	Tank No.	CEMENT	BENTONITE	WATER	TOTAL	Tank No.	PGA		WATER GAL	TOTAL GAL	GEL TIME 2 to 1	GEL TIME	TEMP.
1			3 1/2	1 1/2				1		120 ±	140 GAL			
2			3 1/2					1		120 ±	140			
3			3 1/2					1		120 ±	140			
4			3 1/2					1		120 ±	140			
5			3 1/2					1		120 ±	140			
6			3 1/2					1		120 ±	140			
7			3 1/2					1		120 ±	140			
8			3 1/2					1		120 ±	140			
9			3 1/2					1		120 ±	140			
10			3 1/2					1		120 ±	140			
11			4					1		120 ±	140			
12			4					1		120 ±	140			
13			4					1		120 ±	140			
14			4					1		120 ±	140			
15			4					1		120 ±	140			

AREA - 2

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman [redacted] Cabalero

Job Name: INNOVATIVE TECHNICAL S. INC Grout Material: lense grout Date: 10-10-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
1	8'				0	1	1/2 CF		Return From H 2
	7'				0	1	1/2 CF		Return
	6'				0	1			R
	5'				0	0		2 strokes	Return
	4'				0	0			R
	3'				0	0			no Grout
2	8'				0	1	1/2 CF		Return
	7'				0	1		2	Return
	6'				0	1		2	Return
	5'								no Grout
	4'								no Grout
	3'								no Grout
3	8'				0	3	2' CF		Return
	7'				0	0	1/2 CF	6 strokes	Return
	6'				0	0		5 strokes	
	5'				—	—			
	4'								no Grout
	3'								no Grout

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA- 2

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moises Caballero

Job Name: WNOVATIVE TECHNICAL S. INC Grout Material: lense grout Date: 10-10-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
6	10'				17	90	3 CF		
	9'				15	20	3 CF		
	8'				15	20	3 CF		
	7'				15	20	1/2 CF		Return
	6'				15	20	3 CF		
	5'				15	20		5 STROKES	R
	4'				—	—			R
	3'				—	—			R no Grout
7	10'				5	10	3 CF		
	9'				5	10	3 CF		
	8'				5	10	3 CF		
	7'				5	10	3 CF		
	6'				10	15	3 CF		R
	5'				0	3			R
	4'				0	2			no Grout
	3'				0	0			no Grout

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (Indicate amount), C=communication

AREA - 3

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3110 Foreman Moises Cabellero

Job Name: INNOVATIVE TECHNICAL S INC Grout Material: Lense Grout Date: 10-10-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
1	8'				5	15	2½ CF		Return
	7'				3	6	2½ CF		Return
	6'				3	5	2½ CF		Return
	5'				0	3	2½ CF		
	4'				0	3	2½ CF		
	3'				0	1	2½ CF		
2	8'								
	7'								
	6'								
	5'								
	4'								
	3'								
3	8'								
	7'								
	6'								
	5'								
	4'								
	3								

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

AREA - 3

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S. INC Grout Material: lense grout Date: 10-10-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
4	17'				18	25	3 CF		The Grout Return from
	16'				12	18	3 CF		the hole # 3
	15'				12	18	3 CF		at 17 feets
	14'				5	8	3 CF		
	13'				3	5	3 CF		
	12'				0	3	3 CF		
	11'				0	3	3 CF		
	10'				0	3	3 CF		
	9'				0	3	3 CF		
	8'				0	3	2½ CF		The Grout Return from
	7'				0	0	2 CF		RH 5 hole
	6'				0	0		H	R
	5'				0	0		2	R
	4'				0	0		2	R
	3'				0	0			R no grout
5	17'				5	10	3 CF.		return for pipe # 3
	16'				5	15	3 CF.		
	15'				0	5	3 CF		
	14'				0	5	3 CF		
	13'				0	5	3 CF		
	12'				0	5	2 CF.		
	11'				0	5	3 CF.		
	10'				0	5	3 CF.		
	9'				0	5	3 C.F.		
	8'				0	5	3 CF.		
	7'				0	5	3 CF.		
	6'				0	6	2 CF		The Grout Return between
	5'				0	0		3	at 2 holes
	4'				0	0	strokes	3	R
	3'				0	0		T	no Grout
6	5'				5	10	3 CF.		
	4'				5	10	3 CF.		
	3'				0	0		2	R

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

AREA -3

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S. INC Grout Material: Icense grout Date: 10-10-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
1	17'				5	10	3 CF		
	16'				0	5	3 CF		
	15'				0	2	3 CF		
	14'				0	2	3 CF		
	13'				0	2	3 CF		
	12'				0	2	3 CF		
	11'				0	2	3 CF		
	10'				0	2	3 CF		
	9'				0	2	3 CF		
2	10'				0	5	3 CF		H 9 is only 10' Fe
	9'				0	2	3 CF		dept
	8'				0	2	2½ CF		
	7'				0	2	2½ CF		
	6'				0	2	2½ CF		
	5'				0	2	2½ CF		
	4'				0	0	1 CF		Return
	3'				0	0	½ CF		Return
3	17'				3	8	3 CF		
	16'				5	10	3 CF		
	15'				0	5	3 CF		
	14'				0	2	3 CF		
	13'				0	2	3 CF		
	12'				0	2	3 CF		
	11'				0	2	3 CF		The Grout Return From
	10'				0	2	3 CF		hole # 1
	9'				0	2	3 CF		
	8'				18	25	2½ CF		
	7'				0	3	½ CF		The Grout Return from
	6'				0	3	½ CF		the wall sheet
	5'				0	3	½ CF		Return
	4'								no Grout
	3'								no Grout

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), C=communication

AREA - 2

PRESSURE GROUT COMPANY

PUMPING LOG

Job No. 3710 Foreman Moises Caballero

Job Name: INNOVATIVE TECHNICAL S INC Grout Material: Lehsc grout Date: 10-10-03

POINT NO.	POINT DEPTH	TIME START	TIME END	BATCH NO.	PRESSURE LOW	PRESSURE HIGH	QUANTITY	RATE	REMARKS
3	17'				15	20	3 CF		
	16'				4	8	3 CF		
	15'				4	6	3 CF		
	14'				2	6	3 CF		
	13'				2	6	3 CF		
	12'				2	6	3 CF		
	11'				2	6	3 CF		
	10'				2	6	3 CF		
	9'				2	6	3 CF		
2	17'				5	10	3 C.F.		return for pipe # 3
	16'				4	8	3 CF		
	15'				4	6	1½ CF		The Grout ~~a~~ Comeup
	14'				0	2	½ CF		14' feets between in 2
	13'				0	1		20 strokes	Return
	12'				0	1	3 CF		
	11'				0	1	3 CF		
	10'				0	1		2	Return
	9'				0	1		2	Return
1	17'				5	10	3 CF		
	16'				0	5	3 CF		
	15'				0	2	3 CF		Return from the hole
	14'				0	2	2 CF		~~the~~ Return from In
	13'				0	0	—		wall sheet
	12'				0	0	5		5 feets [illegible]
	11'				0	0	8		
	10'				0	0	8		
	9'				0	0			

SYMBOLS: R=return, P=plugged, 0=obstruction, L=lift (indicate amount), G=communication

ATTACHMENT 1
AIR MONITORING DATA

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/22/02	Jeff Richards	HPS-0822-01	UC-1	37-mm 0.8-um MCEF	08:58	15:00		362	2.0	1.8	2.0	1.8	652

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments Location: 1330-1370

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/22/02	Lee Burnz	HPS-0822-02	UC-2	37-mm 0.8-mm MCEF	08:58	15:00		362	2.0	1.8	2.0	1.8	652

Work Task/Location Excavator - removing pipe Typical X Worst Case ____ Engineering Controls ____

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)
8/22/02	Blank	HPS-0822-03	—	37-mm 0.8-um MCEF	—	—		—	—				0

Work Task/Location Blank Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/23/02	Jeff Richards	HPS-0823-01	UC-1	0.8-um 37-mm MCEF	07:58	14:58		420	2.0	1.8	2.0	1.8	756

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/23/02	Lee Burnz	HPS-0823-02	UC-2	0.8-um 37-mm MCEF	07:58	14:58		420	2.0	1.8	2.0	1.8	756

Work Task/Location Excavator - backfill Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lotff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/26/02	Jeff Richards	HPS-0826-01	UC-1	0.8-um 37-mm MCEF	07:52	17:01		549	2.0	1.8	2.0	1.8	988

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/26/02	Christian Hartley	HPS-0826-02	UC-2	0.8-um 37-mm MCEF	08:20	16:32		492	2.0	1.8	2.0	1.8	886

Work Task/Location Dump truck driver Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)
8/27/02	Jeff Richards	HPS-0827-01	UC-1	0.8 um 37 mm MCEF	08:00	17:15		495	2.0	1.8	2.0	1.8	891

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)
8/27/02	Christian Hartley	HPS-0827-02	UC-2	0.8 um 37 mm MCEF	08:00	17:15		495	2.0	1.8	2.0	1.8	891

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Loft Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/29/02	Jeff Richards	HPS-0829-01	UC-1	0.8-um 37-mm MCEF	07:57	1607		490	2.0	1.8	2.0	1.8	980

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/29/02	Scott Lovesy	HPS-0829-02	UC-2	0.8-um 37-mm MCEF	08:05	1605		480	2.0	1.8	2.0	1.8	960

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray.

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/3/02	Jeff Richards	HPS-0903-01	UC-1	0.8-um 37 mm MCEF	07:55	16:55		480	2.0 LPm	1.8	2.0 LPm	1.8	960

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/3/02	Scott Lovesy	HPS-0903-02	UC-2	0.8-um 37-mm MCEF	07:55	16:55		480	2.0 LPm	1.8	2.0 LPm	1.8	960

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EPA West Project Hunters Point - Parcel E Sampled by J. Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/4/02	Jeff Richards	HPS-0904-01	UC-1	0.8 um 37-mm MCEF	0740	1650		550	2.0 Lpm	1.8	2.0 Lpm	1.8	990

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/4/02	Tony Garcia	HPS-0904-02	UC-2	0.8 um 37-mm MCEF	0745	1650		545	2.0 Lpm	1.8	2.0 Lpm	1.8	981

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by J. Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/5/02	Jeff Richards	HPS-0905-01	UC-1	0.8-um 37-mm MCEF	07:30	1645		555	2.0 LPm	1.8	2.0	1.9	~~[illegible]~~ 999

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/5/02	Scott Lovesy	HPS-0905-02	UC-2	0.8-um 37-mm MCEF	07:25	1645	~~560~~ 8	560	2.0 LPm	1.8	2.0	1.9	1008

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy-EFA West Project Hunters Point-Parcel E Sampled by Jeff Loff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/10/02	Clint Elrod	HPS-0910-01	UC-1	0.8 um 37-mm MCEF	08:02	1440	N/A	398	2.0	1.8	2.0	1.8	716.4

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/10/02	Scott Lovesy	HPS-0910-02	UC-2	0.8 um 37-mm MCEF	07:22	1445	NA	453 ~~383~~	2.0	1.8	2.0	1.8	815.4 ~~689.4~~

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lotff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/11/02	Jeff Richards	HPS-0911-01	UP.4	0.8 um 37-mm MCEF	08:00	1430	PA	450	1.5 LPm	1.3	~~1.5~~ 1.5	1.3	625

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/11/02	Shane Platt	HPS-0911-02	UP.7	0.8 um 37-mm MCEF	08:00	1430	PA	450	1.5 LPm	1.3	1.5	1.3	625

Work Task/Location Loader Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Loff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/12/02	Jeff Richards	HPS-0912-01	UC-1	0.8 um 37-mm MCEF	07:12	1455	N/A	463	2.0 LPm	1.8	2.0	1.8	833

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/12/02	Scott Lovesy	HPS-0912-02	UC-2	0.8 um 37-mm MCEF	07:12	1455	N/A	463	2.0 LPm	1.8	2.0	1.8	833

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Loff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/13/02	Jeff Richards	HPS-0913-01	UC-1	0.8-um 37-mm MCEF	07:57	1435	N/A	450 ~~810~~	2.0	1.8	2.0	1.8	810

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/13/02	Lee Burnz	HPS-0913-02	UC-2	0.8-um 37-mm MCEF	07:57	1435	N/A	450 ~~810~~	2.0	1.8	2.0	1.8	810

Work Task/Location Excavator - backfill Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy-EFA West Project Hunters Point-Parcel E Sampled by Jeff Loft Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/16/02	Jeff Richards	HPS-0916-01	UC-1	0.8 um 37-mm MCEF	07:37	1500	N/A	480	2.0	1.8	2.0	1.8	864

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/16/02	Shane Platt	HPS-0916-02	UC-2	0.8 um 37-mm MCEF	07:37	1500	N/A	480	2.0	1.8	2.0	1.8	864

Work Task/Location Loader Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/17/02	Jeff Richards	HPS-0917-01	UC-1	0.8-um 37-mm MCEF	09:30	1500	~~270~~ N/A	N/A 270	2.0	1.8	2.0	1.8	486

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/17/02	Tony Garcia	HPS-0917-02	UC-2	0.8-um 37-mm MCEF	11:10	1500	N/A	240	2.0	1.8	2.0	1.8	432

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy EFA West Project Hunters Point - Parcel E Sampled by Jeff Left Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/18/02	Jeff Richards	HPS-0918-02	UC-1	0.8-um 37-mm MCEF	0750	1500	N/A	475	2.0	1.8	2.0	1.8	855

Work Task/Location Excavator Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/18/02	Tony Garcia	HPS-0918-02	UC-2	0.8-um 37-mm MCEF	0750	1500	N/A	475	2.0	1.8	2.0	1.8	855

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules "A"

Environmental Hlth Conslt
Irene Fanelli

PO Box 117910
Burlingame, CA 94011-7910

Client ID: 1699
Report Number: A035437
Date Received: 09/04/02
Date Analyzed: 09/05/02
Date Printed: 09/05/02
First Reported: 09/05/02

FASI Job ID: 1699-55

Job ID / Site: JOB# 020790

Sample Number	Lab Number	Date Collected	Volume (L)	Fibers	Fields	LOD F/cc	95% UCL	Fibers / cc
HPS-0828-03	**10181345**	08/28/02	681.0	7.0	100	0.004	0.017	**0.005**
HPS-0828-04	**10181346**	08/28/02	676.0	6.5	100	0.004	0.016	**0.005**
HPS-0828-05	**10181347**	08/28/02	38.0	1.5	100	0.071	0.107	**< 0.071**
HPS-0828-06	**10181348**	08/28/02	38.0	0.0	100	0.071	< 0.071	**< 0.071**
HPS-0828-07	**10181349**	08/28/02	0.0	0.0	100	NA	NA	**NA**

Comments: Blank filters are reported only as number of fibers and fields counted.

HPS-0828-08	**10181350**	08/28/02	0.0	0.0	100	NA	NA	**NA**

Comments: Blank filters are reported only as number of fibers and fields counted.

James Flores, Laboratory Supervisor, Hayward Laboratory

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Forensic Analytical
Analytical Report

Preliminary FAX

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 199, counting rules "A"

Environmental Hlth Conslt
Irene Fanelli

PO Box 117910
Burlingame, CA 94011-7910

Client ID: 1699
Report Number: A035437
Date Received: 9/4/02
Date Analyzed: 09/05/02
Date Printed: 09/05/02

Job ID / Site: JOB# 020790

FASI Job ID: 1699-55

Sample Number	Lab Number	Date Collected	Volume (L)	Fibers	Fields	LOD F/cc	95% UCL	Fibers / cc
HPS-0828-03	**10181345**	08/28/02	681.0	7.0	100	0.004	0.017	**0.005**
							Preliminary	
HPS-0828-04	**10181346**	08/28/02	676.0	6.5	100	0.004	0.016	**0.005**
							Preliminary	
HPS-0828-05	**10181347**	08/28/02	38.0	1.5	100	0.071	0.107	**< 0.071**
							Preliminary	
HPS-0828-06	**10181348**	08/28/02	38.0	0.0	100	0.071	< 0.071	**< 0.071**
							Preliminary	
HPS-0828-07	**10181349**	08/28/02	0.0	0.0	100	NA	NA	**NA**
Comments:	Blank filters are reported only as number of fibers and fields counted.						Preliminary	
HPS-0828-08	**10181350**	08/28/02	0.0	0.0	100	NA	NA	**NA**
Comments:	Blank filters are reported only as number of fibers and fields counted.						Preliminary	

James Flores, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.

Forensic Analytical — Analysis Request Form

Client Name & Address:
1699 Environmental Health Consultants
1050 Edwards Road, 94010
Burlingame, CA 94011-7910

Contact: Irene Fanelli
Phone #: (650) 347-9205 ext.
Fax #: (650) 347-1526
Site:
Job: 020790

P.O. #: Date: 9/3/02
Turn Around Time: ____hr/ 12hr / 24hr / 48 hr / ext: ____
Due Date: / / Due Time: : am/pm
☐ PLM: ☐ Standard / ☐ Point Count ☑ PCM: NIOSH 7400
☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Wt %
☐ TEM Microvac
☐ Special Project:
☐ Metals Analysis: Method
Matrix:
Analytes:

Comments:

Sample ID	Date/ Time	Sample Location/Description	FOR AIR SAMPLES ONLY: Type	Time ON/OFF	Avg. LPM	Total Time	Sample Area or Air Volume
HPS-0828-03	8/28/02	JEFF RICHARDS	A P C		1.28	532	681
HPS-0828-04		SHANE	A P C		1.28	528	676
HPS-0828-05		JEFF RICHARDS	A P C		1.28	30	38
HPS-0828-06		SHANE	A P C		1.28	30	38
07		Blank	A P C				
08		Blank	A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled by: JEFF LOTT Date: 8/28/02 Time: :

Shipped via: ☑ Fed Ex ☐ Airborne ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished by:	Relinquished by:	Relinquished by:
Date / Time: 9/3/02 1700	Date / Time:	Date / Time:
Received by:	Received by:	Received by:
Date / Time: 9/4/02 1104am	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 / Telephone: (510)887-8828 (800)827-FASI / Fax: (510)887-4218
Los Angeles Office: 2859 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Telephone: (310)763-2374 / Fax: (310)763-8884
St. Paul Office: 800 Transfer Road, Suite 7A, St. Paul, Minnesota 55114 / Telephone: (612)644-1007 / Fax: (612)644-1011

8-22-02

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0822-01	RWP Number:		NWTS Num	N/A
Date Start:	8/22/02	Date Stop:	8/22/02		
Time Start:	858	Time Stop:	1500	Total Tim	402 Minutes
					6.7 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0822-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	0.2 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.275E-12 µCi/ml Beta/Gamma MDA= 4.71E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1541	6	10	0.6	0.1	0.5	0.67	2.37	2.22E+06	1.07E-06
βγ	1541	34	10	3.4	0.2	3.2	0.95	7.57	2.22E+06	3.41E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
402 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.236E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.1E-06	μCi	7.2E+05	milliliters	1.5E-12	μCi/ml α	3.00 E-12
βγ	3.4E-06	μCi	7.2E+05	milliliters	4.7E-12	μCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity μCi
α	1734	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1734	22	10	2.2	0.2	2	0.95	4.73	2.22E+06	2.13E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.4E-07	μCi	7.2E+05	milliliters	8.8E-13	μCi/ml α	3.00 E-12
βγ	2.1E-06	μCi	7.2E+05	milliliters	2.9E-12	μCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 193 elapsed time between counts in minutes.

T 1/2 α = 261.88468 Minutes

T 1/2 βγ = 386.21963 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/22/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/23/02

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0822-02	RWP Number:		NWTS Num	N/A
Date Start:	8/22/02	Date Stop:	8/22/02		
Time Start:	858	Time Stop:	1500	Total Tim	402 Minutes
					6.7 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: L. Burnz		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0822-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	0.2 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.275E-12 µCi/ml Beta/Gamma MDA= 4.71E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1554	0	10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ	1554	9	10	0.9	0.2	0.7	0.95	1.66	2.22E+06	7.46E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
402 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	7.236E+05	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	0.0E+00	µCi	7.2E+05	milliliters	0.0E+00	µCi/ml α	3.00 E-12
βγ	7.5E-07	µCi	7.2E+05	milliliters	1.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1744	0	10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ	1744	11	10	1.1	0.2	0.9	0.95	2.13	2.22E+06	9.59E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	7.2E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	9.6E-07	µCi	7.2E+05	milliliters	1.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/22/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/23/02

C9025 906057

		ALPHA				BETA					
		Eff: 31.50% Bkg: 0.10 cpm MDA: 2.34 dpm				Eff: 44.50% Bkg: 0.20 cpm MDA: 2.09 dpm					
SA-	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
1C1 00	0822-1	6	0.50	1.59		34	3.20	7.19		08-22-2002	14:41:27

M

HPS 0822-01
J Richards

.e

. /CS025 SCS057

		ALPHA				BETA					
		Eff: 31.50% Bkg: 0.10 cpm MDA: 2.34 dpm				Eff: 44.50% Bkg: 0.20 cpm MDA: 2.09 dpm					
-SA[illegible]T-	-- ID --	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001 00	0822-2	0	-0.10	-0.32		9	0.70	1.57		08-22-2002	15:54:07

HPS -082202

L. Burnz Lapel ~

			ALPHA				BETA					
			Eff: 31.50% Bkg: 0.10 cpm MDA: 2.34 dpm				Eff: 44.50% Bkg: 0.20 cpm MDA: 2.09 dpm					
[illegible]	[illegible]	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
[illegible]	00	0822-1	4	0.30	0.95		22	2.00	4.49		08-22-2002	17:33:48
[illegible]	00	0822-2	0	-0.10	-0.32		11	0.90	2.02		08-22-2002	17:44:17

pm

HPS-0822-01
0822-02

Final

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)
8/22/02	Jeff Richards	HPS-0822-01	UC-1	37-mm 0.8-um MCEF	08:58	15:00		362	2.0 LPm	1.8	2.0	1.8	652

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments Location: 1330-1370

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)
8/22/02	Lee Burnz	HPS-0822-02	UC-2	37-mm 0.8-mm MCEF	08:58	15:00		362	2.0 L.Pm	1.8	2.0	1.8	652

Work Task/Location Excavator - removing pipe Typical X Worst Case ____ Engineering Controls ____

PPE Utilized Level D Comments ____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)
8/22/02	Blank	HPS-0822-03	—	37-mm 0.8 um MCEF									0

Work Task/Location Blank Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

8-23-02

G/A

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	153-107D	RWP Number:			
Date Start:	8/23/02	Date Stop:	8/23/02		
Time Start:	815	Time Stop:	1500	Total Tim	405 Minutes
					6.75 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	1531-107D		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	12.5	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	12.5	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	12.5	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.1 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.968E-13 µCi/ml Beta/Gamma MDA= 8.50E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1506	72	10	7.2	0.1	7.1	0.67	33.64	2.22E+06	1.52E-05
βγ	1506	183	10	18.3	1.1	17.2	0.95	40.69	2.22E+06	1.83E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
405 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	5.063E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.5E-05	µCi	5.1E+06	milliliters	3.0E-12	µCi/ml α	3.00 E-12
βγ	1.8E-05	µCi	5.1E+06	milliliters	3.6E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1736	18	10	1.8	0.1	1.7	0.67	8.05	2.22E+06	3.63E-06
βγ	1736	44	10	4.4	1.1	3.3	0.95	7.81	2.22E+06	3.52E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. ~~Decayed Activity~~		DAC
α	3.6E-06	µCi	5.1E+06	milliliters	7.2E-13	µCi/ml α	3.00 E-12
βγ	3.5E-06	µCi	5.1E+06	milliliters	6.9E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 230 elapsed time between counts in minutes.

T 1/2 α = 111.52682 Minutes

T 1/2 βγ = 46.823205 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 8/23/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 8/26/02 Date

Richards

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0823-01	RWP Number:			
Date Start:	8/23/02	Date Stop:	8/23/02	Total Tim	420 Minutes
Time Start:	758	Time Stop:	1458		7 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0823-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.1 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\text{ E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.006E-12 µCi/ml Beta/Gamma MDA= 5.69E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1532	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1532	29	10	2.9	1.1	1.8	0.95	4.26	2.22E+06	1.92E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
420 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.560E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	6.4E-07	µCi	7.6E+05	milliliters	8.5E-13	µCi/ml α	3.00 E-12
βγ	1.9E-06	µCi	7.6E+05	milliliters	2.5E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1715	9	10	0.9	0.1	0.8	0.67	3.79	2.22E+06	1.71E-06
βγ	1715	7	10	0.7	1.1	-0.4	0.95	-0.95	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.7E-06	µCi	7.6E+05	milliliters	2.3E-12	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	7.6E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 183 elapsed time between counts in minutes.

T 1/2 α = -129.3252 Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/23/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/26/02

Burnz

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0823-02	RWP Number:			
Date Start:	8/23/02	Date Stop:	8/23/02	Total Tim	420 Minutes
Time Start:	758	Time Stop:	1458		7 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: L. Burnz		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0823-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.1 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.006E-12 µCi/ml Beta/Gamma MDA= 5.69E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1542	7	10	0.7	0.1	0.6	0.67	2.84	2.22E+06	1.28E-06
βγ	1542	14	10	1.4	1.1	0.3	0.95	0.71	2.22E+06	3.20E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
420 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	7.560E+05	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.3E-06	µCi	7.6E+05	milliliters	1.7E-12	µCi/ml α	3.00 E-12
βγ	3.2E-07	µCi	7.6E+05	milliliters	4.2E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1725	2	10	0.2	0.1	0.1	0.67	0.47	2.22E+06	2.13E-07
βγ	1725	19	10	1.9	1.1	0.8	0.95	1.89	2.22E+06	8.52E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.1E-07	µCi	7.6E+05	milliliters	2.8E-13	µCi/ml α	3.00 E-12
βγ	8.5E-07	µCi	7.6E+05	milliliters	1.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = 42.553809 Minutes

T 1/2 βγ = -30.07257 Minutes

Technician Performing Calculations: [signature] 8/23/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/26/02

Darl DeLong, NWT Hunters Point Project Manager — Date

TPC0025 SOCS/F

			ALPHA				BETA				
			Eff: 31.00%	Bkg: 0.10 cpm	MDA: 2.34 dpm		Eff: 11.50%	Bkg: 1.10 cpm	MDA: 4.08 dpm		
[illegible]	[illegible]	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE / TIME
01	00	0025 1	4	0.35	0.95		22	1.80	4.04		08-23-2002 15:01:[illegible]
02	00	0025 2	2	0.50	1.30		14	0.30	0.67		08-23-2002 15:43:[illegible]

Initial 8/23/02 [illegible]

Sample
1060025 080057

			ALPHA				BETA					
			Eff: 31.50% Bkg: 0.10 cpm MDA: 0.24 dpm				Eff: 44.50% Bkg: 1.10 cpm MDA: 4.08 dpm					
			COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
			9	0.80	2.54		7	-0.40	-0.90		08-22-2008	17:14:58
001	00	0823-1	8	0.70	0.92		13	0.80	1.80		08-23-2008	17:25:24
002	00	0823-2	18	1.70	5.46		44	3.30	7.42		08-23-2008	17:35:54
003	00	01										

Final 8/23/12 PL

Sample
[illegible]

ALPHA					BETA				
Eff: 91.50%	Bkg: 0.10 cpm	MDA: 0.34 dpm			Eff: 44.50%	Bkg: 1.10 cpm	MDA: 4.05 dpm		
SAMP	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	0A	73	7.10	22.54	102	17.20	38.65		06-25-2002	15:06:10

Initial 8/23/02 m

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sampl Volum (L)
8/23/02	Jeff Richards	HPS-0823-01	UC-1	0.8-um 37-mm MCEF	07:58	14:58		420	2.0	1.8	2.0	1.8	756

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/23/02	Lee Burnz	HPS-0823-02	UC-2	0.8-um 37-mm MCEF	07:58	14:58		420	2.0	1.8	2.0	1.8	756

Work Task/Location Excavator - backfill Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

8/26/02 G/A

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	153-107D	RWP Number:			
Date Start:	8/26/02	Date Stop:	8/26/02		
Time Start:	800	Time Stop:	1700	Total Tim	540 Minutes
					9 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	1531-107D		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	12.5	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	12.5	LPM		
Average Flow Rate:	0.0	CFM		
	12.5	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.0 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 5.741E-13 µCi/ml Beta/Gamma MDA= 6.27E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1707	217	10	21.7	0	21.7	0.67	102.82	2.22E+06	4.63E-05
βγ	1707	465	10	46.5	1	45.5	0.95	107.63	2.22E+06	4.85E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
540 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	6.750E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	4.6E-05	µCi	6.8E+06	milliliters	6.9E-12	µCi/ml α	3.00 E-12
βγ	4.8E-05	µCi	6.8E+06	milliliters	7.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1909	32	10	3.2	0	3.2	0.67	15.16	2.22E+06	6.83E-06
βγ	1909	81	10	8.1	1	7.1	0.95	16.79	2.22E+06	7.57E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.8E-06	µCi	6.8E+06	milliliters	1.0E-12	µCi/ml α	3.00 E-12
βγ	7.6E-06	µCi	6.8E+06	milliliters	1.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 202 elapsed time between counts in minutes.
T 1/2 α = 73.147294 Minutes
T 1/2 βγ = 27.294015 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/26/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/27/02

Richards

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0826-01	RWP Number:		NWTS Num	N/A
Date Start:	8/26/02	Date Stop:	8/26/02		
Time Start:	752	Time Stop:	1701	Total Tim	589 Minutes
					9.8166667 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0826-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.0 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 3.655E-12 µCi/ml Beta/Gamma MDA= 3.99E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1718	13	10	1.3	0	1.3	0.67	6.16	2.22E+06	2.77E-06
βγ	1718	53	10	5.3	1	4.3	0.95	10.17	2.22E+06	4.58E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
589 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	1.060E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.8E-06	µCi	1.1E+06	milliliters	2.6E-12	µCi/ml α	3.00 E-12
βγ	4.6E-06	µCi	1.1E+06	milliliters	4.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1920	0	10	0	0	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1920	19	10	1.9	1	0.9	0.95	2.13	2.22E+06	9.59E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	1.1E+06	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	9.6E-07	µCi	1.1E+06	milliliters	~~9.0E-13~~	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 202 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/26/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/27/02

Hartley

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0826-02	RWP Number:		NWTS Num	N/A
Date Start:	8/26/02	Date Stop:	8/26/02		
Time Start:	820	Time Stop:	1632	Total Tim	492 Minutes
					8.2 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: C. Hartley		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0826-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.0 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.376E-12 µCi/ml Beta/Gamma MDA= 4.78E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1728	11	10	1.1	0	1.1	0.67	5.21	2.22E+06	2.35E-06
βγ	1728	32	10	3.2	1	2.2	0.95	5.20	2.22E+06	2.34E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
492 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	8.856E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.3E-06	µCi	8.9E+05	milliliters	2.7E-12	µCi/ml α	3.00 E-12
βγ	2.3E-06	µCi	8.9E+05	milliliters	2.6E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1920	4	10	0.4	0	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1920	16	10	1.6	1	0.6	0.95	1.42	2.22E+06	6.39E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	8.9E+05	milliliters	~~9.6E-13~~	µCi/ml α	3.00 E-12
βγ	6.4E-07	µCi	8.9E+05	milliliters	~~7.2E-13~~	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = 75.371808 Minutes

T 1/2 βγ = 40.209683 Minutes

Technician Performing Calculations: [signature] 8/26/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/27/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lotff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
3/26/02	Jeff Richards	HPS-0826-01	UC-1	0.8 um 37-mm MCEF	07:52	17:01		549	2.0 LPM	1.8	2.0 LPM	1.8	988

Work Task/Location Excavator - digging Typical X Worst Case ___ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
3/26/02	Christian Hartley	HPS-0826-02	UC-2	0.8 um 37-mm MCEF	08:20	16:32		492	2.0 LPM	1.8	2.0 LPM	1.8	886

Work Task/Location Dump truck driver Typical X Worst Case ___ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)

Work Task/Location ___ Typical ___ Worst Case ___ Engineering Controls ___

PPE Utilized ___ Comments ___

0000025 000002

			ALPHA				BETA					
			Eff: 31.50% Bkg: 0.00 cpm MDA: 0.00 dpm				Eff: 44.50% Bkg: 1.00 cpm MDA: 3.92 dpm					
CH	NPT	ID	COUNTS	NET CPM	CPM	LIMITS	COUNTS	NET CPM	CPM	LIMITS	DATE	TIME
001	00	GA	217	21.70	68.89		465	45.50	102.85		08-26-2002	17:07:00
002	00	0826-1	13	1.30	4.13		53	4.00	9.60		08-26-2002	17:17:37
003	00	0826-2	11	1.10	2.49		32	2.30	4.94		08-26-2002	17:28:55

Initial A/S

pic.
1P09025 900052

			ALPHA				BETA					
			Eff: 31.50%	Bkg: 0.00 cpm		MDA: 0.36 dpm	Eff: 44.50%	Bkg: 1.00 cpm		MDA: 3.08 dpm		
PAN	BUP	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	GA	32	3.20	10.16		81	7.10	15.96		08-26-2002	19:09:50
002	00	0826-1	0	0.00	0.00		19	0.90	2.02		08-26-2002	20:19:50
003	00	0826-2	4	0.40	1.27		16	0.60	1.35		08-26-2002	19:30:10

Final A/S

8/27/02 G/A

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	8/27/02	Date Stop:	8/27/02		
Time Start:	745	Time Stop:	1645	Total Tim	540 Minutes
Sample Location:					9 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \ (RB/T)}{2.22\text{E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.726E-13 µCi/ml Beta/Gamma MDA= 6.76E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1715	154	10	15.4	0.1	15.3	0.67	72.49	2.22E+06	3.27E-05
βγ	1715	370	10	37	1.5	35.5	0.95	83.97	2.22E+06	3.78E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
540 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	6.750E+06	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	3.3E-05	µCi	6.8E+06	milliliters	4.8E-12	µCi/ml α	3.00 E-12
βγ	3.8E-05	µCi	6.8E+06	milliliters	5.6E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1955	30	10	3	0.1	2.9	0.67	13.74	2.22E+06	6.19E-06
βγ	1955	72	10	7.2	1.5	5.7	0.95	13.48	2.22E+06	6.07E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.2E-06	µCi	6.8E+06	milliliters	9.2E-13	µCi/ml α	3.00 E-12
βγ	6.1E-06	µCi	6.8E+06	milliliters	9.0E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 240 elapsed time between counts in minutes.

T 1/2 α = 100.02472 Minutes

T 1/2 βγ = 37.905594 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 8/27/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 8/28/02 Date

RICHARDS

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0827-01	RWP Number:			
Date Start:	8/27/02	Date Stop:	8/27/02		
Time Start:	800	Time Stop:	1715	Total Tim	555 Minutes
					9.25 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0827-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM		

Alpha Eff:	31.50%	
Beta/Gamma Eff:	44.50%	
Alpha Background:	0.1	CPM
Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.545E-12 µCi/ml Beta/Gamma MDA= 4.57E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1725	36	10	3.6	0.1	3.5	0.67	16.58	2.22E+06	7.47E-06
βγ	1725	81	10	8.1	1.5	6.6	0.95	15.61	2.22E+06	7.03E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
555 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	9.990E+05	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	7.5E-06	µCi	1.0E+06	milliliters	7.5E-12	µCi/ml α	3.00 E-12
βγ	7.0E-06	µCi	1.0E+06	milliliters	7.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	2006	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	2006	23	10	2.3	1.5	0.8	0.95	1.89	2.22E+06	8.52E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.4E-07	µCi	1.0E+06	milliliters	6.4E-13	µCi/ml α	3.00 E-12
βγ	8.5E-07	µCi	1.0E+06	milliliters	8.5E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 281 elapsed time between counts in minutes.

T 1/2 α = 79.281769 Minutes

T 1/2 βγ = 26.041887 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/27/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/28/02

Hartley

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0827-02	RWP Number:		NWTS Num	N/A
Date Start:	8/27/02	Date Stop:	8/27/02		
Time Start:	800	Time Stop:	1715	Total Tim	555 Minutes
					9.25 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: C. Hartley		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0827-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.5 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\text{ E+6} * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.545E-12 µCi/ml Beta/Gamma MDA= 4.57E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1736	31	10	3.1	0.1	3.0	0.67	14.21	2.22E+06	6.40E-06
βγ	1736	68	10	6.8	1.5	5.3	0.95	12.54	2.22E+06	5.65E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
555 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.990E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	6.4E-06	µCi	1.0E+06	milliliters	6.4E-12	µCi/ml α	3.00 E-12
βγ	5.6E-06	µCi	1.0E+06	milliliters	5.7E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	2016	5	10	0.5	0.1	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	2016	23	10	2.3	1.5	0.8	0.95	1.89	2.22E+06	8.52E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	1.0E+06	milliliters	8.5E-13	µCi/ml α	3.00 E-12
βγ	8.5E-07	µCi	1.0E+06	milliliters	8.5E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = 37.841121 Minutes

T 1/2 βγ = 13.871783 Minutes

Technician Performing Calculations: [signature] 8/27/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/28/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)
8/27/02	Jeff Richards	HPS-0827-01	UC-1	0.8-um 37-mm MCEF	08:00	17:15		495	2.0	1.8	2.0	1.8	891

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water Spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)
8/27/02	Christian Hartley	HPS-0827-02	UC-2	0.8-um 37-mm MCEF	08:00	17:15		495	2.0	1.8	2.0	1.8	891

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water Spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L /min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L /min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

[illegible]
[illegible]

			ALPHA				BETA					
			EFF: 31.50% Bkg: 0.10 cpm MDA: 2.34 dpm				EFF: 44.50% Bkg: 1.50 cpm MDA: 4.36 dpm					
RPT		ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	OA	154	15.30	48.57		370	35.50	79.78		08-27-2002	17:14:59
002	00	0827-1	36	3.50	11.11		81	6.60	14.83		08-27-2002	17:25:20
003	00	0827-2	31	3.00	9.52		68	5.30	11.91		08-27-2002	17:35:54

Initial A/S

[illegible]

		ALPHA				BETA					
		Eff: 31.50%	Bkg: 0.10 cpm	MDA: 2.34 dpm		Eff: 44.50%	Bkg: 1.50 cpm	MDA: 4.66 dpm			
ID		COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
00	GA	39	3.80	12.06		103	8.80	19.76		08-27-2002	18:46:22
00	0027.1	12	1.10	3.49		38	6.50	1.12		08-27-2002	19:16:51
00	0027.2	4	0.30	0.95		29	1.40	3.15		08-27-2002	19:07:38

Intermediate

[illegible]

		ALPHA					BETA						
		Eff: 51.50% BKG: 0.10 cpm MDA: 0.34 dpm					Eff: 41.50% BKG: 1.50 cpm MDA: 4.66 dpm						
	TC	COUNTS	NET CPM	DPM	LIMITS		COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
	GA	20	2.00	3.21			72	5.70	12.01		08-27-2002	23:50:30
00	0027.1	4	0.30	0.65			29	0.00	1.00		08-27-2002	00:05:23
00	0027.2	5	0.40	1.27			29	0.00	1.00		08-27-2002	00:10:16

Final

8-28-02

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0828-02	RWP Number:		NWTS Num	N/A
Date Start:	8/28/02	Date Stop:	8/28/02		
Time Start:	813	1735 Time Stop:	1715	Total Tim	542 Minutes
Sample Location:					9.0333333 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: C. Hartley		

Samples delivered to NWT lab on 8/29/02. Counted 8/29/02

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0828-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.5 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.654E-12 µCi/ml Beta/Gamma MDA= 4.68E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1540	31	10	3.1	0.1	3.0	0.67	14.21	2.22E+06	6.40E-06
βγ	1540	68	10	6.8	1.5	5.3	0.95	12.54	2.22E+06	5.65E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
542 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.756E+05 milliliters

STRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	6.4E-06	µCi	9.8E+05	milliliters	6.6E-12	µCi/ml α	3.00 E-12
βγ	5.6E-06	µCi	9.8E+05	milliliters	5.8E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α			10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ			10	0	1.5	-1.5	0.95	-3.55	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	9.8E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	9.8E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.
T 1/2 α = #VALUE! Minutes
T 1/2 βγ = #VALUE! Minutes

T[illegible]ician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 8/29/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 8/30/02

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0828-01	RWP Number:		NWTS Num	N/A
Date Start:	8/28/02	Date Stop:	8/28/02		
Time Start:	813	Time Stop:	1735	Total Tim	562 Minutes
Sample Location:					9.3666667 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

Samples delivered to NWT lab on 8/29/02. Counted 8/29/02

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0828-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.5 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \ (RB/T)}{2.22\text{E+6} * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.488E-12 µCi/ml Beta/Gamma MDA= 4.51E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1529	0	10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ	1529	11	10	1.1	1.5	-0.4	0.95	-0.95	2.22E+06	<MDA

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
562 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	1.012E+06	milliliters

RUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	0.0E+00	µCi	1.0E+06	milliliters	0.0E+00	µCi/ml α	3.00 E-12
βγ	0.0E+00	µCi	1.0E+06	milliliters	0.0E+00	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α			10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ			10	0	1.5	-1.5	0.95	-3.55	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	1.0E+06	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	1.0E+06	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = -1529 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: 8/29/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/30/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/28/02	Jeff Richards	HPS-0828-01	UC-1	0.8-um 37-mm MCEF	08:13	17:35		562	2.0	1.8	2.0	1.8	

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/28/02	Scott Lovesy	HPS-0828-02	UC-2	0.8-um 37-mm MCEF	08:13	17:35		562	2.0	1.8	2.0	1.8	

Work Task/Location Truck driver Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

[illegible]

		ALPHA				BETA					
		Eff: 31.50% Bkg: 0.10 cpm MDA: 2.24 dpm				Eff: 44.50% Bkg: 1.00 cpm MDA: 3.02 dpm					
[illegible]	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
[illegible]	8828.1	0	-0.10	-0.32		13	0.10	0.22		[illegible]-20-2002	15:20:20
00	8828.2	1	0.00	0.00		14	0.10	0.00		[illegible]-20-2002	15:20:53

Final

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	8/28/02	Date Stop:	8/28/02		
Time Start:	750	Time Stop:	1700	Total Tim	590 Minutes
Sample Location:					9.8333333 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.0	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.156E-13 µCi/ml Beta/Gamma MDA= 5.74E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1721	12	10	1.2	0.1	1.1	0.67	5.21	2.22E+06	2.35E-06
βγ	1721	35	10	3.5	1	2.5	0.95	5.91	2.22E+06	2.66E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
590 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	7.375E+06	milliliters

/RUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.3E-06	µCi	7.4E+06	milliliters	3.2E-13	µCi/ml α	3.00 E-12
βγ	2.7E-06	µCi	7.4E+06	milliliters	3.6E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1930	8	10	0.8	0.1	0.7	0.67	3.32	2.22E+06	1.49E-06
βγ	1930	14	10	1.4	1	0.4	0.95	0.95	2.22E+06	4.26E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.5E-06	µCi	7.4E+06	milliliters	2.0E-13	µCi/ml α	3.00 E-12
βγ	4.3E-07	µCi	7.4E+06	milliliters	5.8E-14	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 209 elapsed time between counts in minutes.

T 1/2 α = 320.51444 Minutes

T 1/2 βγ = 121.22991 Minutes

Technician Performing Calculations: 8/28/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/29/02

Darl DeLong, NWT Hunters Point Project Manager — Date

7057

	ALPHA					BETA				
	Eff: 31.50% Bkg: 0.10 cpm MDA: 2.34 dpm					Eff: 44.50% Bkg: 1.00 cpm, MDA: 3.02 dpm				
ID	COUNTS	NET CPM	CPM	LIMITS		COUNTS	NET CPM	CPM	LIMITS	DATE / TIME
00	12	1.10	3.49			35	2.50	5.62		08-26-2002 17:21:22

General Area Wit. P

	ALPHA					BETA				
	Eff: 31.50%	Bkg: 0.10 cpm	MDA: 2.31 dpm			Eff: 44.50%	Bkg: 1.00 cpm	MDA: 3.02 dpm		
ID	COUNTS	NET CPM	CPM	DIALTS		COUNTS	NET CPM	CPM	DIALTS	DATE / TIME
00	8	0.70	2.22			15	0.50	0.96		08-28-2002 13:23:43

GA Final

8/28/02

G/A

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	8/28/02	Date Stop:	8/28/02		
Time Start:	750	Time Stop:	1700	Total Tim	590 Minutes
Sample Location:					9.8333333 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Backgroun	1.0	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.156E-13 µCi/ml Beta/Gamma MDA= 5.74E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1721	12	10	1.2	0.1	1.1	0.67	5.21	2.22E+06	2.35E-06
βγ	1721	35	10	3.5	1	2.5	0.95	5.91	2.22E+06	2.66E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
590 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	7.375E+06	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.3E-06	µCi	7.4E+06	milliliters	3.2E-13	µCi/ml α	3.00 E-12
βγ	2.7E-06	µCi	7.4E+06	milliliters	3.6E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1930	8	10	0.8	0.1	0.7	0.67	3.32	2.22E+06	1.49E-06
βγ	1930	14	10	1.4	1	0.4	0.95	0.95	2.22E+06	4.26E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.5E-06	µCi	7.4E+06	milliliters	2.0E-13	µCi/ml α	3.00 E-12
βγ	4.3E-07	µCi	7.4E+06	milliliters	5.8E-14	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 209 elapsed time between counts in minutes.
T 1/2 α = 320.51444 Minutes
T 1/2 βγ = 121.22991 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 8/28/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 8/29/02 Date

425 506057

		ALPHA				BETA			
		Eff: 31.00% Bkg: 0.10 cpm MDA: 2.34 dpm				Eff: 44.50% Bkg: 1.00 cpm MDA: 3.02 dpm			
SP	ACT	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
01	00	12	1.10	3.49		35	2.50	5.68		08-28-2002	17:21:22

General Area Wit. P

[illegible] 000057

		ALPHA					BETA				
		Eff: 31.50% Bkg: 0.10 cpm MDA: 0.34 dpm					Eff: 44.50% Bkg: 1.00 cpm MDA: 3.03 dpm				
[illegible]	RPT	COUNTS	NET CPM	CPM	DPM	COUNTS	NET CPM	CPM	DPM	[illegible]	TIME
061	50	9	0.30	0.32		14	0.40	0.90		08-20-2002	15:20:13

GA Final

5-29-02

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	8/29/02	Date Stop:	8/29/02		
Time Start:	750	Time Stop:	1550	Total Tim	480 Minutes
Sample Location:					8 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.0	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\text{ E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 7.567E-13 µCi/ml Beta/Gamma MDA= 7.05E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1619	108	10	10.8	0.1	10.7	0.67	50.70	2.22E+06	2.28E-05
βγ	1619	301	10	30.1	1	29.1	0.95	68.84	2.22E+06	3.10E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
480 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	6.000E+06	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.3E-05	µCi	6.0E+06	milliliters	3.8E-12	µCi/ml α	3.00 E-12
βγ	3.1E-05	µCi	6.0E+06	milliliters	5.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1957	12	10	1.2	0.1	1.1	0.67	5.21	2.22E+06	2.35E-06
βγ	1957	51	10	5.1	1	4.1	0.95	9.70	2.22E+06	4.37E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.3E-06	µCi	6.0E+06	milliliters	3.9E-13	µCi/ml α	3.00 E-12
βγ	4.4E-06	µCi	6.0E+06	milliliters	7.3E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 338 elapsed time between counts in minutes.

T 1/2 α = 102.98487 Minutes

T 1/2 βγ = 36.424866 Minutes

Technician Performing Calculations: [signature] 8/29/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/30/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			
A/S ID Number:	HPS-0829-01	RWP Number:		NWTS Nun N/A
Date Start:	8/28/02	Date Stop:	8/28/02	
Time Start:	757	Time Stop:	1607	Total Tim 530 Minutes
Sample Location:				8.8333333 Hours
Sample Type:	Breathing Zone	General Area	Other	
	High Volume	Low Volume	Lapel/Person X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Lovesy	

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0829-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM		

Alpha Eff:	31.50%	
Beta/Gamma Eff:	44.50%	
Alpha Background:	0.1	CPM
Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.759E-12 µCi/ml Beta/Gamma MDA= 4.79E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1630	21	10	2.1	0.1	2.0	0.67	9.48	2.22E+06	4.27E-06
βγ	1630	70	10	7	1.5	5.5	0.95	13.01	2.22E+06	5.86E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
530 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.540E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	4.3E-06	µCi	9.5E+05	milliliters	4.5E-12	µCi/ml α	3.00 E-12
βγ	5.9E-06	µCi	9.5E+05	milliliters	6.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	2008	5	10	0.5	0.1	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	2008	34	10	3.4	1.5	1.9	0.95	4.49	2.22E+06	2.02E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	9.5E+05	milliliters	8.9E-13	µCi/ml α	3.00 E-12
βγ	2.0E-06	µCi	9.5E+05	milliliters	2.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 378 elapsed time between counts in minutes.

T 1/2 α = 162.79574 Minutes

T 1/2 βγ = 106.16429 Minutes

Technician Performing Calculations: [signature] 8/28/02
Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/29/02
Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0829-02	RWP Number:			
Date Start:	8/29/02	Date Stop:	8/29/02	Total Tim	530 Minutes
Time Start:	757	Time Stop:	1607		8.8333333 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: C. Hartley		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0829-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.0 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.759E-12 µCi/ml Beta/Gamma MDA= 4.44E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1640	15	10	1.5	0.1	1.4	0.67	6.63	2.22E+06	2.99E-06
βγ	1640	39	10	3.9	1	2.9	0.95	6.86	2.22E+06	3.09E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
530 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.540E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	3.0E-06	µCi	9.5E+05	milliliters	3.1E-12	µCi/ml α	3.00 E-12
βγ	3.1E-06	µCi	9.5E+05	milliliters	3.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	2018	1	10	0.1	0.1	0.0	0.67	0.00	2.22E+06	<MDA
βγ	2018	8	10	0.8	1	-0.2	0.95	-0.47	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	9.5E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	9.5E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: [signature] 8/29/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 8/30/02

Darl DeLong, NWT Hunters Point Project Manager — Date

2N5E 205051

			ALPHA				BETA					
			Eff: 31.50% Bkg: 0.10 cpm MDA: 3.34 dpm				Eff: 44.58% Bkg: 1.00 cpm MDA: 3.32 dpm					
[illegible]	[illegible]	[illegible]	COUNTS	NET CPM	DPM	SIGMA%	COUNTS	NET CPM	DPM	SIGMA%	DATE	TIME
305	00	GA	108	16.80	53.37		361	23.10	65.39		08-29-2002	16:19:15
305	00	0023.1	23	2.00	6.35		90	6.00	13.48		08-29-2002	16:29:45
305	00	0023.2	15	1.40	4.44		33	2.33	6.52		08-29-2002	16:40:11

Initial

[illegible]

			ALPHA				BETA					
			EFF: 91.50%	BKG: 0.10 cpm	MDA: 2.04 dpm		EFF: 44.50%	BKG: 1.00 cpm	MDA: 3.92 dpm			
CH	ACT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	CA	10	1.00	5.00		41	3.10	6.97		08-29-2002	19:10:01
002	00	0020.1	5	0.40	1.97		37	2.70	6.05		08-29-2002	19:20:32
003	00	0020.2	2	0.20	0.82		23	1.30	2.92		08-29-2002	19:31:00

Intermediate

[illegible]

Final

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Loft Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/29/02	Jeff Richards	HPS-0829-01	UC-1	0.8-um 37-mm MCEF	07:57	1607			2.0	1.8	2.0	1.8	980

Work Task/Location _____ Typical ____ Worst Case ____ Engineering Controls _____

PPE Utilized _____ Comments _____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
8/29/02	Scott Lovesy	HPS-0829-02	UC-2	0.8-um 37-mm MCEF	08:05	1605			2.0	1.8	2.0	1.8	980

Work Task/Location _____ Typical ____ Worst Case ____ Engineering Controls _____

PPE Utilized _____ Comments _____

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location _____ Typical ____ Worst Case ____ Engineering Controls _____

PPE Utilized _____ Comments _____

9/3/02

AIR SAMPLE DATA WORKSHEET

G/A

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/3/02	Date Stop:	9/3/02		
Time Start:	745	Time Stop:	1700	Total Tim	555 Minutes
Sample Location:					9.25 Hours
Sample Type:	Breathing Zone	General Are X	Other		
	High Volume	Low Volume	Lapel/Personal		
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.3	CPM
			Beta/Gamma Background	0.8	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 7.246E-13 µCi/ml Beta/Gamma MDA= 5.87E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1801	20	10	2	0.3	1.7	0.67	8.05	2.22E+06	3.63E-06
βγ	1801	136	10	13.6	0.8	12.8	0.95	30.28	2.22E+06	1.36E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
555 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	6.938E+06 milliliters

INSTRUCTION 6: *Determine the Initial Airborne Concentration*

Initial Activity			Volume		Initial Activity		DAC
α	3.6E-06	µCi	6.9E+06	milliliters	5.2E-13	µCi/ml α	3.00 E-12
βγ	1.4E-05	µCi	6.9E+06	milliliters	2.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1943	3	10	0.3	0.3	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1943	23	10	2.3	0.8	1.5	0.95	3.55	2.22E+06	1.60E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	6.9E+06	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	1.6E-06	µCi	6.9E+06	milliliters	2.3E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 142 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: [signature] 9/3/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 9/4/02

Darl DeLong, NWT Hunters Point Project Manager — Date

Richards

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0903-01	RWP Number:		NWTS Num	N/A
Date Start:	9/3/02	Date Stop:	9/3/02		
Time Start:	755	Time Stop:	1655	Total Tim	540 Minutes
Sample Location:					9 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0903-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.3 CPM
			Beta/Gamma Background	0.8 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (R_B/T)}{2.22\text{ E+6} * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 5.172E-12 µCi/ml Beta/Gamma MDA= 4.19E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1812	17	10	1.7	0.3	1.4	0.67	6.63	2.22E+06	2.99E-06
βγ	1812	35	10	3.5	0.8	2.7	0.95	6.39	2.22E+06	2.88E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
540 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.720E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	3.0E-06	µCi	9.7E+05	milliliters	3.1E-12	µCi/ml α	3.00 E-12
βγ	2.9E-06	µCi	9.7E+05	milliliters	3.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1953	4	10	0.4	0.3	0.1	0.67	0.47	2.22E+06	2.13E-07
βγ	1953	28	10	2.8	0.8	2	0.95	4.73	2.22E+06	2.13E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.1E-07	µCi	9.7E+05	milliliters	2.2E-13	µCi/ml α	3.00 E-12
βγ	2.1E-06	µCi	9.7E+05	milliliters	2.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 141 elapsed time between counts in minutes.

T 1/2 α = 37.033584 Minutes

T 1/2 βγ = 85.535927 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/3/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/4/02

Lovesy

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0903-02	RWP Number:			
Date Start:	9/3/02	Date Stop:	9/3/02		
Time Start:	755	Time Stop:	1655	Total Tim	540 Minutes 9 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Lovesy		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0903-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.3 CPM
			Beta/Gamma Background	0.8 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \ (RB/T)}{2.22\text{E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 5.172E-12 µCi/ml Beta/Gamma MDA= 4.19E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1822	4	10	0.4	0.3	0.1	0.67	0.47	2.22E+06	2.13E-07
βγ	1822	16	10	1.6	0.8	0.8	0.95	1.89	2.22E+06	8.52E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
540 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	9.720E+05	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.1E-07	µCi	9.7E+05	milliliters	2.2E-13	µCi/ml α	3.00 E-12
βγ	8.5E-07	µCi	9.7E+05	milliliters	8.8E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	2004	0	10	0	0.3	-0.3	0.67	-1.42	2.22E+06	<MDA
βγ	2004	10	10	1	0.8	0.2	0.95	0.47	2.22E+06	2.13E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	9.7E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	2.1E-07	µCi	9.7E+05	milliliters	2.2E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/3/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/4/02 Date

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/3/02	Jeff Richards	HPS-0903-01	UC-1	0.8-um 37 mm MCEF	07:55	16:55		480	2.0 LPm	1.8	2.0 LPm	1.8	960

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/3/02	Scott Lovesy	HPS-0903-02	UC-2	0.8-um 37-mm MCEF	07:55	16:55		480	2.0 LPm	1.8	2.0 LPm	1.8	960

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

			ALPHA				BETA					
			Eff: 31.50% Bkg: 0.30 cpm MDA: 2.40 dpm				Eff: 34.50% Bkg: 3.00 cpm MDA: 2.57 dpm					
[illegible]	[illegible]	ID	COUNTS	BKG CPM	DPM	LIMITS	COUNTS	BKG CPM	DPM	LIMITS	DATE	TIME
[illegible]	05	3A	20	1.00	5.40		100	10.00	20.00		09-03-2002	10:01:10
[illegible]	08	0003.1	17	1.10	4.14		25	2.70	5.07		09-03-2002	10:11:30
[illegible]	08	0003.2	4	0.10	0.32		10	0.80	1.80		09-03-2002	10:25:05

Initial

25 [illegible]

			ALPHA					BETA				
			Eff: 31.50%	Bkg: 0.30 cpm	MDA: 3.42 dpm			Eff: 44.50%	Bkg: 0.00 cpm	MDA: 0.57 dpm		
SPM	TB	COUNTS	NET CPM	TOP	SIGMAS	COUNTS	NET CPM	DPM	SIGMAS	DATE	TIME
1	00	GA	3	0.00	0.00	22	1.50	3.37		[illegible]	15:18:40
100	00	0000.1	1	0.10	0.32	20	2.00	4.49		00-00-0000	10:53:10
002	00	0000.2	0	-0.30	-0.95	10	0.20	0.45		00-00-0000	20:00:45

Final

9-4-02

G/A

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Digging				
A/S ID Number:	RF96067	RWP Number:		NWTS Nun	N/A
Date Start:	9/4/02	Date Stop:	9/4/02		
Time Start:	945	Time Stop:	1350	Total Tim	205 Minutes
Sample Location:					3.4166667 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: G. Nason, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	RF96067		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	90.0	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	90.0	LPM			
Average Flow Rate:	0.0	CFM			
	90.0	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.1	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \ (RB/T)}{2.22\text{E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 2.461E-13 µCi/ml Beta/Gamma MDA= 2.33E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1513	53	10	5.3	0.1	5.2	0.67	24.64	2.22E+06	1.11E-05
βγ	1513	137	10	13.7	1.1	12.6	0.95	29.80	2.22E+06	1.34E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
205 min	0.0	CFM	0.000E+00	milliliters
	90.0	LPM	1.845E+07	milliliters

INSTRUCTION 7: **If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.**

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1614	28	10	2.8	0.1	2.7	0.67	12.79	2.22E+06	5.76E-06
βγ	1614	82	10	8.2	1.1	7.1	0.95	16.79	2.22E+06	7.57E-06

INSTRUCTION 8: **Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:**

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	5.8E-06	µCi	1.8E+07	milliliters	3.1E-13	µCi/ml α	3.00 E-12
βγ	7.6E-06	µCi	1.8E+07	milliliters	4.1E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: **Determine the half-life of the radionuclide(s) using the following formula:**

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 101 elapsed time between counts in minutes.

T 1/2 α = 106.81589 Minutes

T 1/2 βγ = 129.07753 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/4/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/5/02

S96051

	ALPHA					BETA				
	Eff: 31.50%	Bkg: 0.10 cpm	MDA: 2.54 dpm			Eff: 44.50%	Bkg: 1.10 cpm	MDA: 4.00 dpm		
DPM	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE / TIME
0	00	53	0.20	16.51		137	16.00	88.51		03-04-2002 15:13:19

Initial

		AlpHA					BETA				
		Eff: 31.50%	Bkg: 0.10 cpm	MDA: 2.34 dpm			Eff: 44.50%	Bkg: 1.10 cpm	MDA: 4.09 dpm		
SMP	TD	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
71	00	28	2.70	8.58		68	7.10	15.96		03-04-2002	16:14:30

Final

Richards

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0904-01	RWP Number:		NWTS Num	N/A
Date Start:	9/4/02	Date Stop:	9/4/02		
Time Start:	740	Time Stop:	1650	Total Tim	510 Minutes
Sample Location:					8.5 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0904-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM		

Alpha Eff:	31.50%	
Beta/Gamma Eff:	44.50%	
Alpha Background:	0.1	CPM
Beta/Gamma Background	1.1	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.946E-12 µCi/ml Beta/Gamma MDA= 4.69E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1715	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1715	21	10	2.1	1.1	1	0.95	2.37	2.22E+06	1.07E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
510 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.180E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	6.4E-07	µCi	9.2E+05	milliliters	7.0E-13	µCi/ml α	3.00 E-12
βγ	1.1E-06	µCi	9.2E+05	milliliters	1.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1941	1	10	0.1	0.1	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1941	4	10	0.4	1.1	-0.7	0.95	-1.66	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	9.2E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	9.2E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 226 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations:

Brian M Henderson, NWT Hunters Point Lab — 9/4/02 Date

Reviewed By:

Darl DeLong, NWT Hunters Point Project Manager — 9/5/02 Date

GARCIA

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0904-02	RWP Number:		NWTS Num	N/A
Date Start:	9/4/02	Date Stop:	9/4/02		
Time Start:	740	Time Stop:	1650	Total Tim	510 Minutes
Sample Location:					8.5 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: T. Garcia		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0904-02		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.1	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.946E-12 µCi/ml Beta/Gamma MDA= 4.69E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1726	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1726	21	10	2.1	1.1	1	0.95	2.37	2.22E+06	1.07E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
510 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	9.180E+05	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	6.4E-07	µCi	9.2E+05	milliliters	7.0E-13	µCi/ml α	3.00 E-12
βγ	1.1E-06	µCi	9.2E+05	milliliters	1.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1952	0	10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ	1952	8	10	0.8	1.1	-0.3	0.95	-0.71	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	9.2E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	9.2E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/4/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/5/02 Date

JOB# 000059

	ALPHA					BETA				
	REC: 31.50%	BKG: 0.10 cpm	MDA: 2.34 dpm			REC: 44.50%	BKG: 1.10 cpm	MDA: 4.08 dpm		
[illegible]	[illegible]	COUNTS	NET CPM	2σ%	LIMITS	COUNTS	NET CPM	2σ%	LIMITS	DATE / TIME
[illegible]	[illegible]	[illegible]	0	0.00	0.00		85	0.40	10.00	09-04-2002 17:04:55
[illegible]	[illegible]	0006.1	1	0.00	0.00		0	1.00	0.00	09-04-2002 17:15:00
[illegible]	[illegible]	0004.0	4	0.00	0.00		0	1.00	0.00	09-04-2002 17:25:[illegible]

~~Initial~~ Initial

[illegible] 000017

			ALPHA					BETA				
			Eff: 31.50% Bkg: 0.10 cpm MDA: 2.34 dpm					Eff: 44.50% Bkg: 1.10 cpm MDA: 4.08 dpm				
[illegible]	[illegible]	[illegible]	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
[illegible]	00	00	14	1.50	4.76		34	2.30	5.17		09-04-2002	19:30:41
28	00	0004.1	1	0.00	0.00		4	-0.50	-1.57		09-04-2002	19:41:00
28	00	0004.2	0	-0.10	-0.33		8	-0.30	-0.67		09-04-2002	19:51:00

Final

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by J. Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/4/02	Jeff Richards	HPS-0904-01	UC-1	0.8-um 37-mm MCEF	0740	1650			2.0 Lpm	1.8	2.0 Lpm	1.8	996

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/4/02	Tony Garcia	HPS-0904-02	UC-2	0.8-um 37-mm MCEF	0745	1650			2.0 Lpm	1.8	2.0 Lpm	1.8	981

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

9-5-02

AIR SAMPLE DATA WORKSHEET

G/A

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Nun	N/A
A/S ID Number:	153-107D	RWP Number:			
Date Start:	9/5/02	Date Stop:	9/5/02		
Time Start:	815	Time Stop:	1645	Total Tim	510 Minutes
					8.5 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	1531-107D		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	12.5	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	12.5	LPM		
Average Flow Rate:	0.0	CFM		
	12.5	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	0.6 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 7.122E-13 µCi/ml Beta/Gamma MDA= 6.11E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1715	17	10	1.7	0.1	1.6	0.67	7.58	2.22E+06	3.41E-06
βγ	1715	49	10	4.9	0.6	4.3	0.95	10.17	2.22E+06	4.58E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
510 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	6.375E+06	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	3.4E-06	µCi	6.4E+06	milliliters	5.4E-13	µCi/ml α	3.00 E-12
βγ	4.6E-06	µCi	6.4E+06	milliliters	7.2E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1918	5	10	0.5	0.1	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1918	36	10	3.6	0.6	3	0.95	7.10	2.22E+06	3.20E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	6.4E+06	milliliters	1.3E-13	µCi/ml α	3.00 E-12
βγ	3.2E-06	µCi	6.4E+06	milliliters	5.0E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 203 elapsed time between counts in minutes.
T 1/2 α = 101.5 Minutes
T 1/2 βγ = 195.42751 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/5/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/6/02

AIR SAMPLE DATA WORKSHEET

Richards

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Nun	N/A
A/S ID Number:	HPS-0905-01	RWP Number:			
Date Start:	9/5/02	Date Stop:	9/5/02	Total Tin	555 Minutes
Time Start:	730	Time Stop:	1645		9.25 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0905-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	0.6 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.545E-12 µCi/ml Beta/Gamma MDA= 3.90E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1726	3	10	0.3	0.1	0.2	0.67	0.95	2.22E+06	4.27E-07
βγ	1726	13	10	1.3	0.6	0.7	0.95	1.66	2.22E+06	7.46E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
555 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	9.990E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	4.3E-07	µCi	1.0E+06	milliliters	4.3E-13	µCi/ml α	3.00 E-12
βγ	7.5E-07	µCi	1.0E+06	milliliters	7.5E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1941	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1941	10	10	1	0.6	0.4	0.95	0.95	2.22E+06	4.26E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.4E-07	µCi	1.0E+06	milliliters	6.4E-13	µCi/ml α	3.00 E-12
βγ	4.3E-07	µCi	1.0E+06	milliliters	4.3E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 215 elapsed time between counts in minutes.

T 1/2 α = -367.5449 Minutes

T 1/2 βγ = -455.2458 Minutes

Technician Performing Calculations: 9/5/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 9/6/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

Lovesy

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0905-02	RWP Number:			
Date Start:	9/4/02	Date Stop:	9/4/02	Total Tim	560 Minutes
Time Start:	725	Time Stop:	1645		9.3333333 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Lovesy		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0905-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	0.6 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.504E-12 µCi/ml Beta/Gamma MDA= 3.87E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1736	1	10	0.1	0.1	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1736	11	10	1.1	0.6	0.5	0.95	1.18	2.22E+06	5.33E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
560 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	1.008E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	0.0E+00	µCi	1.0E+06	milliliters	0.0E+00	µCi/ml α	3.00 E-12
βγ	5.3E-07	µCi	1.0E+06	milliliters	5.3E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1939	1	10	0.1	0.1	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1939	14	10	1.4	0.6	0.8	0.95	1.89	2.22E+06	8.52E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	1.0E+06	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	8.5E-07	µCi	1.0E+06	milliliters	8.5E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date 9/4/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date 9/5/02

0005 000055

			ALPHA				BETA					
			Eff: 31.50% Bkg: 0.10 cpm MDA: 2.24 dpm				Eff: 44.50% Bkg: 0.50 cpm MDA: 3.17 dpm					
DPM	SB		COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	GA	17	1.00	5.09		49	4.50	9.66		09-05-2002	17:15:18
002	00	0005.1	9	0.50	1.59		12	0.50	1.12		09-05-2002	17:25:46
003	00	0005.2	1	0.00	0.00		13	0.50	1.12		09-05-2002	17:36:13

Initial

[illegible]

			ALPHA					BETA				
			BKG: 0.10 cpm		BGA: 0.04 dpm			BKG: 0.00 cpm		BGA: 0.17 dpm		
NET	ID	COUNTS	NET CPM	SMP	LIMITS	COUNTS	NET CPM	SMP	LIMITS	DATE	TIME
[illegible]	00	01	5	0.40	1.27	23	0.00	0.71		09-05-2002	19:[illegible]
002	00	0005.[illegible]	4	0.30	0.95	10	0.40	0.00		09-05-2002	19:[illegible]
003	00	0005.2	1	0.00	0.00	17	0.00	1.00		09-05-2002	19:[illegible]

Final

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by J. Lott Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/5/02	Jeff Richards	HPS-0905-01	UC-1	0.8 um 37-mm MCEF	07:30	1645		555	2.0 LPm	1.8	2.0	1.9	~~808~~ 999

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/5/02	Scott Lovesy	HPS-0905-02	UC-2	0.8 um 37-mm MCEF	07:25	1645	~~569~~ 8	560	2.0 LPm	1.8	2.0	1.8	1008

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

9-6-02

GA

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/6/02	Date Stop:	9/6/02		
Time Start:	815	Time Stop:	1415	Total Tim	360 Minutes
Sample Location:					6 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 1.009E-12 µCi/ml Beta/Gamma MDA= 1.01E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1624	27	10	2.7	0.1	2.6	0.67	12.32	2.22E+06	5.55E-06
βγ	1624	62	10	6.2	1.5	4.7	0.95	11.12	2.22E+06	5.01E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
360 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	4.500E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	5.5E-06	µCi	4.5E+06	milliliters	1.2E-12	µCi/ml α	3.00 E-12
βγ	5.0E-06	µCi	4.5E+06	milliliters	1.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1721	8	10	0.8	0.1	0.7	0.67	3.32	2.22E+06	1.49E-06
βγ	1721	38	10	3.8	1.5	2.3	0.95	5.44	2.22E+06	2.45E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.5E-06	µCi	4.5E+06	milliliters	3.3E-13	µCi/ml α	3.00 E-12
βγ	2.5E-06	µCi	4.5E+06	milliliters	5.4E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 97 elapsed time between counts in minutes.

T 1/2 α = 51.239121 Minutes

T 1/2 βγ = 49.697172 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/6/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/7/02

CSI 000867

ALPHA					BETA				
Ref: 51.50%	Bkg: 0.10 cpm	BDA: 2.34 dpm			Ref: 44.50%	Bkg: 1.50 cpm	BDA: 4.66 dpm		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	97	2.60	8.25		63	4.70	10.56		08-06-2002 16:[illegible]

Initial

1035 000057

	ALPHA						BETA					
	EFF: 31.50%	BKG: 0.10 cpm	MDA: 2.24 dpm				EFF: 11.50%	BKG: 1.50 cpm	MDA: 4.50 dpm			
ALPHA	BETA	LC	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00		0	0.00	0.00		38	0.00	0.00		10-05-2002	15:31:1

9/9/02

AIR SAMPLE DATA WORKSHEET

G/A

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/9/02	Date Stop:	9/9/02		
Time Start:	800	Time Stop:	1445	Total Tim	405 Minutes
Sample Location:					6.75 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	1531-107D		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	12.5	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	12.5	LPM		
Average Flow Rate:	0.0	CFM		
	12.5	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.3 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 7.655E-13 µCi/ml Beta/Gamma MDA= 8.77E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1505	262	10	26.2	0	26.2	0.67	124.14	2.22E+06	5.59E-05
βγ	1505	587	10	58.7	1.3	57.4	0.95	135.78	2.22E+06	6.12E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
405 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	5.063E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	5.6E-05	µCi	5.1E+06	milliliters	1.1E-11	µCi/ml α	3.00 E-12
βγ	6.1E-05	µCi	5.1E+06	milliliters	1.2E-11	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1616	66	10	6.6	0	6.6	0.67	31.27	2.22E+06	1.41E-05
βγ	1616	190	10	19	1.3	17.7	0.95	41.87	2.22E+06	1.89E-05

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.4E-05	µCi	5.1E+06	milliliters	2.8E-12	µCi/ml α	3.00 E-12
βγ	1.9E-05	µCi	5.1E+06	milliliters	3.7E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 111 elapsed time between counts in minutes.

T 1/2 α = 55.806128 Minutes

T 1/2 βγ = 32.879327 Minutes

Technician Performing Calculations: 9/9/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 9/10/02

Darl DeLong, NWT Hunters Point Project Manager — Date

	ALPHA				BETA					
	Eff: 31.50% Bkg: 0.00 cpm MDA: 0.06 dpm				Eff: 44.50% Bkg: 1.50 cpm MDA: 4.38 dpm					
ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
00	288	26.20	83.13		597	57.40	128.89		06-08-2000	15:05:24

Initial

JE 300017

	ALPHA				BETA			
	Eff: 91.50% Bkg: 0.00 cpm MDA: 0.86 dpm				Eff: 44.50% Bkg: 1.33 cpm MDA: 4.38 dpm			
P-[- 19	COUNTS	BKG CPM	BKG	SIGMAS	COUNTS	BKG CPM	BKG	SIGMAS
01 00	00	0.00	20.95		190	17.50	22.78	

DATE	TIME
09-09-2002	10:15:40

Final

9-10-02

AIR SAMPLE DATA WORKSHEET

G/A

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/10/02	Date Stop:	9/10/02		
Time Start:	740	Time Stop:	1440	Total Tim	420 Minutes
Sample Location:					7 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (R_B/T)}{2.22\text{E+6} * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 7.382E-13 µCi/ml Beta/Gamma MDA= 8.70E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1537	139	10	13.9	0	13.9	0.67	65.86	2.22E+06	2.97E-05
βγ	1537	274	10	27.4	1.5	25.9	0.95	61.27	2.22E+06	2.76E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
420 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	5.250E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	3.0E-05	µCi	5.3E+06	milliliters	5.7E-12	µCi/ml α	3.00 E-12
βγ	2.8E-05	µCi	5.3E+06	milliliters	5.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1659	45	10	4.5	0	4.5	0.67	21.32	2.22E+06	9.60E-06
βγ	1659	108	10	10.8	1.5	9.3	0.95	22.00	2.22E+06	9.91E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	9.6E-06	µCi	5.3E+06	milliliters	1.8E-12	µCi/ml α	3.00 E-12
βγ	9.9E-06	µCi	5.3E+06	milliliters	1.9E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 122 elapsed time between counts in minutes.

T 1/2 α = 74.98058 Minutes

T 1/2 βγ = 50.743144 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/10/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/11/02

CIRoD

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0910-01	RWP Number:		NWTS Num	N/A
Date Start:	9/10/02	Date Stop:	9/10/02		
Time Start:	802	Time Stop:	1440	Total Tim	398 Minutes
					6.6333333 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: C. Elrod		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0910-01		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 5.409E-12 µCi/ml Beta/Gamma MDA= 6.37E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1548	23	10	2.3	0	2.3	0.67	10.90	2.22E+06	4.91E-06
βγ	1548	47	10	4.7	1.5	3.2	0.95	7.57	2.22E+06	3.41E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
398 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.164E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	4.9E-06	µCi	7.2E+05	milliliters	6.9E-12	µCi/ml α	3.00 E-12
βγ	3.4E-06	µCi	7.2E+05	milliliters	4.8E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1710	1	10	0.1	0	0.1	0.67	0.47	2.22E+06	2.13E-07
βγ	1710	20	10	2	1.5	0.5	0.95	1.18	2.22E+06	5.33E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.1E-07	µCi	7.2E+05	milliliters	3.0E-13	µCi/ml α	3.00 E-12
βγ	5.3E-07	µCi	7.2E+05	milliliters	7.4E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 162 elapsed time between counts in minutes.

T 1/2 α = 35.812486 Minutes

T 1/2 βγ = 13.372489 Minutes

Technician Performing Calculations: [signature] 9/10/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 9/11/02

Darl DeLong, NWT Hunters Point Project Manager — Date

Lovesy

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0910-02	RWP Number:		NWTS Num	N/A
Date Start:	9/5/02	Date Stop:	9/5/02		
Time Start:	722	Time Stop:	1445	Total Tim	443 Minutes
Sample Location:					7.3833333 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Lovesy		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0910-02		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background	1.5	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.860E-12 µCi/ml Beta/Gamma MDA= 5.73E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1558	10	10	1	0	1.0	0.67	4.74	2.22E+06	2.13E-06
βγ	1558	30	10	3	1.5	1.5	0.95	3.55	2.22E+06	1.60E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
443 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.974E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.1E-06	µCi	8.0E+05	milliliters	2.7E-12	µCi/ml α	3.00 E-12
βγ	1.6E-06	µCi	8.0E+05	milliliters	2.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1720	4	10	0.4	0	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1720	16	10	1.6	1.5	0.1	0.95	0.24	2.22E+06	1.07E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	8.0E+05	milliliters	1.1E-12	µCi/ml α	3.00 E-12
βγ	1.1E-07	µCi	8.0E+05	milliliters	1.3E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = 83.211788 Minutes

T 1/2 βγ = 21.298725 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/5/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/6/02 Date

			ALPHA				BETA					
			AFT: 23.50%	BAG: 0.00 cpm	NBA: 0.00 cpm		AFT: 44.50%	BAG: 1.50 cpm	NBA: 4.00 cpm			
CH	SAM	- TB	COUNTS	BGD CPM	BGD	GTHETA	COUNTS	BGD CPM	CPM	UNITS	DATE	TIME
	00	01	102	12.00	11.15		255	25.00	59.50		09-10-2002	15:17:22
002	00	0010.1	22	2.00	4.00		47	2.00	9.19		09-10-2002	15:27:51
003	00	2910.8	16	1.00	3.17		32	1.50	8.05		09-10-2002	15:28:19

Initial

.025 000055

			ALPHA				BETA			
			Eff: 31.50% Bkg: 0.00 cpm MDA: 0.06 dpm				Eff: 44.50% Bkg: 1.50 cpm MDA: 4.00 dpm			
S	P	ID	COUNTS	NET CPM	CPM	DIRECT	COUNTS	NET CPM	CPM	DIRECT	DATE	TIME
01	00	06	15	4.50	14.20		100	3.30	20.00		09-10-2002	16:59:12
02	00	0013.1	1	0.10	3.32		20	0.50	1.12		09-10-2002	17:03:40
03	00	0010.2	1	0.10	1.85		10	0.10	0.25		09-10-2002	17:20:08

R

Final

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U.S. Navy-EFA West Project Hunters Point-Parcel E Sampled by Jeff Loft Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/10/02	Clint Elrod	HPS-0910-01	UC-1	0.8 um 37-mm MCEF	08:02	1440	N/A	398	2.0	1.8	2.0	1.8	716.4

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/10/02	Scott Lovesy	HPS-0910-02	UC-2	0.8 um 37-mm MCEF	07:22	1445	NA	453 ~~383~~ 06	2.0	1.8	2.0	1.8	815.4 ~~689.4~~ 8

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

9/11/02

AIR SAMPLE DATA WORKSHEET

GA

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/11/02	Date Stop:	9/11/02		
Time Start:	750	Time Stop:	1430	Total Tim	440 Minutes
Sample Location:					7.3333333 Hours
Sample Type:	Breathing Zone	General Are X	Other		
	High Volume	Low Volume	Lapel/Personal		
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	0.8	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\text{ E+6} * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.255E-13 µCi/ml Beta/Gamma MDA= 7.41E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1520	53	10	5.3	0.1	5.2	0.67	24.64	2.22E+06	1.11E-05
βγ	1520	119	10	11.9	0.8	11.1	0.95	26.26	2.22E+06	1.18E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
440 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	5.500E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.1E-05	µCi	5.5E+06	milliliters	2.0E-12	µCi/ml α	3.00 E-12
βγ	1.2E-05	µCi	5.5E+06	milliliters	2.2E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1632	14	10	1.4	0.1	1.3	0.67	6.16	2.22E+06	2.77E-06
βγ	1632	59	10	5.9	0.8	5.1	0.95	12.06	2.22E+06	5.43E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.8E-06	µCi	5.5E+06	milliliters	5.0E-13	µCi/ml α	3.00 E-12
βγ	5.4E-06	µCi	5.5E+06	milliliters	9.9E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 112 elapsed time between counts in minutes.

T 1/2 α = 56 Minutes

T 1/2 βγ = 49.911295 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/11/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/12/02

Richards

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0911-01	RWP Number:			
Date Start:	9/11/02	Date Stop:	9/11/02	Total Tim	390 Minutes
Time Start:	800	Time Stop:	1430		6.5 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0911-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.3	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.3	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.3	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	0.8 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.955E-12 µCi/ml Beta/Gamma MDA= 8.04E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1531	5	10	0.5	0.1	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1531	13	10	1.3	0.8	0.5	0.95	1.18	2.22E+06	5.33E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume
390 min	0.0	CFM	0.000E+00 milliliters
	1.3	LPM	5.070E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	8.5E-07	µCi	5.1E+05	milliliters	1.7E-12	µCi/ml α	3.00 E-12
βγ	5.3E-07	µCi	5.1E+05	milliliters	1.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1643	3	10	0.3	0.1	0.2	0.67	0.95	2.22E+06	4.27E-07
βγ	1643	3	10	0.3	0.8	-0.5	0.95	-1.18	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	4.3E-07	µCi	5.1E+05	milliliters	8.4E-13	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	5.1E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 112 elapsed time between counts in minutes.

T 1/2 α = 112 Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: 9/11/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: 9/12/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

Platt

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0911-02	RWP Number:		NWTS Num	N/A
Date Start:	9/11/02	Date Stop:	9/11/02		
Time Start:	800	Time Stop:	1430	Total Tim	390 Minutes
Sample Location:					6.5 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Platt		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0911-02		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.3	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.3	LPM			
Average Flow Rate:	0.0	CFM			
	1.3	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	0.8	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.955E-12 µCi/ml Beta/Gamma MDA= 8.04E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1541	5	10	0.5	0.1	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1541	18	10	1.8	0.8	1	0.95	2.37	2.22E+06	1.07E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
390 min	0.0 CFM	0.000E+00 milliliters
	1.3 LPM	5.070E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	8.5E-07	µCi	5.1E+05	milliliters	1.7E-12	µCi/ml α	3.00 E-12
βγ	1.1E-06	µCi	5.1E+05	milliliters	2.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1653	0	10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ	1653	9	10	0.9	0.8	0.1	0.95	0.24	2.22E+06	1.07E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	5.1E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	1.1E-07	µCi	5.1E+05	milliliters	2.1E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/11/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/12/02 Date

			ALPHA					BETA				
			EFF: 31.50% BKG: 0.10 cpm MDA: 0.24 dpm					EFF: 14.50% BKG: 0.00 cpm MDA: 0.57 dpm				
SN	DET	ID	COUNTS	NET CPM	CPM	LIMITS	COUNTS	NET CPM	CPM	LIMITS	DATE	TIME
[illegible]	00	GA	52	5.20	16.51		119	11.10	24.94		09-11-2002	15:20:[illegible]
[illegible]	00	0011.1	5	0.10	1.27		10	0.50	1.18		09-11-2002	15:30:[illegible]
[illegible]	00	0011.2	5	0.10	1.27		13	1.00	0.95		09-11-2002	15:41:[illegible]

[illegible]

	ALPHA						BETA					
	Eff: 21.50%	Bkg: 0.10 cpm	MDA: 2.34 dpm				Eff: 41.50%	Bkg: 0.00 cpm	MDA: 3.57 dpm			
SPM	ID	COUNTS	NET CPM	CPM	ERROR	COUNTS	NET CPM	CPM	ERROR	DATE	TIME
00	GA	14	1.50	4.13		50	5.10	11.40		00-11-2008	10:00:00
00	0011.1	0	0.00	0.00		3	-0.50	-1.12		00-11-2008	10:10:00
00	0011.2	0	-0.10	-0.22		0	0.10	0.00		00-11-2008	10:20:00

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

Client U. S. Navy - FEFA West Project Hunters Point - Parcel E Sampled by Jeff Loff Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration ~~Rotameter/~~ Burette	Pre-Calibration Flow (L/min)	Post-Calibration ~~Rotameter/~~ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/11/02	Jeff Richards	HPS-0911-01	UP-4	0.8-um 37-mm MCEF	08:00	1430	PA	450	1.5 LPM	1.3	~~1.5~~ 1.7	1.3	625

Work Task/Location Excavator digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration ~~Rotameter/~~ Burette	Pre-Calibration Flow (L/min)	Post-Calibration ~~Rotameter/~~ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
9/11/02	Shane Platt	HPS-0911-02	UP-7	0.8-um 37-mm MCEF	08:00	1430	PA	450	1.5 LPM	1.3	1.5	1.3	625

Work Task/Location Loader Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

9/12/02

AIR SAMPLE DATA WORKSHEET

RICHARDS

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Nun	N/A
A/S ID Number:	HPS-0912-01	RWP Number:			
Date Start:	9/12/02	Date Stop:	9/12/02	Total Tim	390 Minutes
Time Start:	800	Time Stop:	1430		6.5 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0912-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.0 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \ (RB/T)}{2.22\text{E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.468E-12 µCi/ml Beta/Gamma MDA= 6.03E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1535	11	10	1.1	0.1	1.0	0.67	4.74	2.22E+06	2.13E-06
βγ	1535	11	10	1.1	1	0.1	0.95	0.24	2.22E+06	1.07E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume
390 min	0.0	CFM	0.000E+00 milliliters
	1.8	LPM	7.020E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.1E-06	µCi	7.0E+05	milliliters	3.0E-12	µCi/ml α	3.00 E-12
βγ	1.1E-07	µCi	7.0E+05	milliliters	1.5E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1827	4	10	0.4	0.1	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1827	5	10	0.5	1	-0.5	0.95	-1.18	2,22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.4E-07	µCi	7.0E+05	milliliters	9.1E-13	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	7.0E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 292 elapsed time between counts in minutes.

T 1/2 α = 168.10926 Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/12/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date: 9/13/02

AIR SAMPLE DATA WORKSHEET

G/A

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/12/02	Date Stop:	9/12/02		
Time Start:	750	Time Stop:	1440	Total Tim	450 Minutes
Sample Location:					7.5 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: S. Palko, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.0	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.072E-13 µCi/ml Beta/Gamma MDA= 7.52E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1524	21	10	2.1	0.1	2.0	0.67	9.48	2.22E+06	4.27E-06
βγ	1524	147	10	14.7	1	13.7	0.95	32.41	2.22E+06	1.46E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
450 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	5.625E+06	milliliters

AIR SAMPLE DATA WORKSHEET

Platt

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0912-02	RWP Number:		NWTS Num	N/A
Date Start:	9/12/02	Date Stop:	9/12/02		
Time Start:	800	Time Stop:	1430	Total Tim	390 Minutes
					6.5 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Platt		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0912-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.0 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.468E-12 µCi/ml Beta/Gamma MDA= 6.03E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1545	6	10	0.6	0.1	0.5	0.67	2.37	2.22E+06	1.07E-06
βγ	1545	24	10	2.4	1	1.4	0.95	3.31	2.22E+06	1.49E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
390 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.020E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.1E-06	µCi	7.0E+05	milliliters	1.5E-12	µCi/ml α	3.00 E-12
βγ	1.5E-06	µCi	7.0E+05	milliliters	2.1E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1838	1	10	0.1	0.1	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1838	13	10	1.3	1	0.3	0.95	0.71	2.22E+06	3.20E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	7.0E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	3.2E-07	µCi	7.0E+05	milliliters	4.6E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/12/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/13/02 Date

[illegible]

			ALPHA				BETA				
			Eff: 31.50% Bkg: 0.10 cpm MDA: 3.34 dpm				Eff: [illegible] Bkg: 1.06 cpm MDA: 3.33 dpm				
[illegible]	[illegible]	[illegible]	COUNTS	NET CPM	ERR	[illegible]	COUNTS	NET CPM	ERR	[illegible]	[illegible]
01	00	SA	21	2.00	0.35		347	10.30	0.98		09-15-2002 15:24:05
02	00	0916.1	11	1.00	3.17		13	0.10	0.22		09-15-2002 [illegible]
03	00	0912.3	8	0.50	1.65		24	1.00	0.15		09-15-2002 15:45:01

initial

P00002 000017

SMP	ID	ALPHA (Eff: 31.50% Bkg: 0.10 cpm MDA: 2.94 dpm) COUNTS	NET CPM	DPM	LIMITS	BETA (Eff: 44.50% Bkg: 1.00 cpm MDA: 3.92 dpm) COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00 QA	0	-0.10	-0.32		51	2.10	4.72		09-12-2002	10:1[illegible]
002	00 0912.1	4	0.30	0.95		5	-0.50	-1.12		09-12-2002	10:[illegible]
003	00 0912.2	1	0.00	0.00		12	0.20	0.67		09-12-2002	10:50:0[illegible]

Final

AIR SAMPLING LOG - PERSONAL EXPOSURE SAMPLES

ent U.S. Navy - EFA West Project Hunters Point - Parcel E Sampled by Jeff Loft Page 1 of 1

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
12/02	Jeff Richards	HPS-0912-01	UC-1	0.8 um 37-mm MCEF	07:12	1455	N/A	463	2.0 LPm	1.8	2.0	1.8	833.

Work Task/Location Excavator - digging Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (L/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (L/min)	Sample Volume (L)
1/12/02	Scott Lovesy	HPS-0912-02	UC-2	0.8 um 37-mm MCEF	07:12	1455	NA	463	2.0 LPm	1.8	2.0	1.8	833

Work Task/Location Dump truck Typical X Worst Case ____ Engineering Controls Water spray

PPE Utilized Level D Comments

Date	Employee	Sample Number	Equip. No.	Sample Type/ Media	Time On	Time Off	Pump Timer	Run Time (Min.)	Pre-Calibration Rotameter/ Burette	Pre-Calibration Flow (/min)	Post-Calibration Rotameter/ Burette	Post-Calibration Flow (/min)	Sample Volume (L)

Work Task/Location ____ Typical ____ Worst Case ____ Engineering Controls ____

PPE Utilized ____ Comments ____

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench			NWTS Num	N/A
A/S ID Number:	HPS-0913-02	RWP Number:			
Date Start:	9/13/02	Date Stop:	9/13/02	Total Tim	438 Minutes
Time Start:	757	Time Stop:	1435		7.3 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Platt		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0913-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM	Alpha Eff:	31.50%
	1.8	LPM	Beta/Gamma Eff:	44.50%
			Alpha Background:	0.1 CPM
			Beta/Gamma Background	1.3 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 5.759E-12 µCi/ml Beta/Gamma MDA= 5.63E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1531	10	10	1	0.1	0.9	0.67	4.26	2.22E+06	1.92E-06
βγ	1531	18	10	1.8	1.3	0.5	0.95	1.18	2.22E+06	5.33E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
438 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.884E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.7E-06	µCi	7.9E+05	milliliters	2.2E-12	µCi/ml α	3.00 E-12
βγ	1.6E-06	µCi	7.9E+05	milliliters	2.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1702	0	10	0	0.1	-0.1	0.67	-0.47	2.22E+06	<MDA
βγ	1702	15	10	1.5	1.3	0.2	0.95	0.47	2.22E+06	2.13E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	7.9E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	2.1E-07	µCi	7.9E+05	milliliters	2.7E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 181 elapsed time between counts in minutes.
T 1/2 α = #VALUE! Minutes
T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/13/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/14/02 Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0913-01	RWP Number:		NWTS Num	N/A
Date Start:	9/13/02	Date Stop:	9/13/02		
Time Start:	757	Time Stop:	1435	Total Tim	438 Minutes
Sample Location:					7.3 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0913-01		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Background	1.3	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 5.759E-12 µCi/ml Beta/Gamma MDA= 5.63E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1521	9	10	0.9	0.1	0.8	0.67	3.79	2.22E+06	1.71E-06
βγ	1521	28	10	2.8	1.3	1.5	0.95	3.55	2.22E+06	1.60E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
438 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.884E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.8E-05	µCi	5.3E+06	milliliters	3.3E-12	µCi/ml α	3.00 E-12
βγ	1.9E-05	µCi	5.3E+06	milliliters	3.6E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1652	16	10	1.6	0.1	1.5	0.67	7.11	2.22E+06	3.20E-06
βγ	1652	32	10	3.2	1.3	1.9	0.95	4.49	2.22E+06	2.02E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	3.2E-06	µCi	5.3E+06	milliliters	6.1E-13	µCi/ml α	3.00 E-12
βγ	2.0E-06	µCi	5.3E+06	milliliters	3.9E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 142 elapsed time between counts in minutes.

T 1/2 α = 57.943541 Minutes

T 1/2 βγ = 18.042493 Minutes

Technician Performing Calculations: 9/13/02 Date

Brian M Henderson, NWT Hunters Point Lab

Reviewed By: 9/14/02 Date

Darl DeLong, NWT Hunters Point Project Manager

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/13/02	Date Stop:	9/13/02		
Time Start:	730	Time Stop:	1430	Total Tim	420 Minutes
Sample Location:					7 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: G. Wilson, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.1	CPM
			Beta/Gamma Backgroun	1.3	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\text{ E+6} * E * V}$$

where: V = Sample Volume in Milliliters

T = Sample Count Time in Minutes

R_B = Background Count Rate in CPM

E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.648E-13 µCi/ml Beta/Gamma MDA= 8.46E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1510	83	10	8.3	0.1	8.2	0.67	38.85	2.22E+06	1.75E-05
βγ	1510	189	10	18.9	1.3	17.6	0.95	41.63	2.22E+06	1.88E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
420 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	5.250E+06	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.9E-06	µCi	7.9E+05	milliliters	2.4E-12	µCi/ml α	3.00 E-12
βγ	5.3E-07	µCi	7.9E+05	milliliters	6.8E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1713	3	10	0.3	0.1	0.2	0.67	0.95	2.22E+06	4.27E-07
βγ	1713	16	10	1.6	1.3	0.3	0.95	0.71	2.22E+06	3.20E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	4.3E-07	µCi	7.9E+05	milliliters	5.4E-13	µCi/ml α	3.00 E-12
βγ	3.2E-07	µCi	7.9E+05	milliliters	4.1E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = 50.692996 Minutes

T 1/2 βγ = 68.78611 Minutes

Technician Performing Calculations: [signature] 9/13/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: [signature] 9/14/02

Darl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/16/02	Date Stop:	9/16/02		
Time Start:	800	Time Stop:	1500	Total Tim	420 Minutes
Sample Location:					7 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: G. Wilson, NWT				

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	1531-107D		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	12.5	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	12.5	LPM		
Average Flow Rate:	0.0	CFM		
	12.5	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.1 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 7.382E-13 µCi/ml Beta/Gamma MDA= 8.20E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1642	27	10	2.7	0	2.7	0.67	12.79	2.22E+06	5.76E-06
βγ	1642	60	10	6	1.1	4.9	0.95	11.59	2.22E+06	5.22E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
420 min	0.0 CFM	0.000E+00 milliliters
	12.5 LPM	5.250E+06 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	5.8E-06	µCi	5.3E+06	milliliters	1.1E-12	µCi/ml α	3.00 E-12
βγ	5.2E-06	µCi	5.3E+06	milliliters	9.9E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1824	9	10	0.9	0	0.9	0.67	4.26	2.22E+06	1.92E-06
βγ	1824	32	10	3.2	1.1	2.1	0.95	4.97	2.22E+06	2.24E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.9E-06	µCi	5.3E+06	milliliters	3.7E-13	µCi/ml α	3.00 E-12
βγ	2.2E-06	µCi	5.3E+06	milliliters	4.3E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 182 elapsed time between counts in minutes.

T 1/2 α = 114.82922 Minutes

T 1/2 βγ = 93.938095 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date 9/16/02

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — Date 9/17/02

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0916-01	RWP Number:		NWTS Num	N/A
Date Start:	9/16/02	Date Stop:	9/16/02		
Time Start:	737	Time Stop:	1500	Total Tim	443 Minutes
Sample Location:					7.3833333 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0916-01		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM		
			Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.1 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \quad (RB/T)}{2.22\text{ E+6} * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.860E-12 µCi/ml Beta/Gamma MDA= 5.40E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1652	7	10	0.7	0	0.7	0.67	3.32	2.22E+06	1.49E-06
βγ	1652	17	10	1.7	1.1	0.6	0.95	1.42	2.22E+06	6.39E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
443 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	7.974E+05 milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	1.5E-06	µCi	8.0E+05	milliliters	1.9E-12	µCi/ml α	3.00 E-12
βγ	6.4E-07	µCi	8.0E+05	milliliters	8.0E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1835	0	10	0	0	0.0	0.67	0.00	2.22E+06	<MDA
βγ	1835	5	10	0.5	1.1	-0.6	0.95	-1.42	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	<MDA	µCi	8.0E+05	milliliters	<MDA	µCi/ml α	3.00 E-12
βγ	<MDA	µCi	8.0E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 183 elapsed time between counts in minutes.

T 1/2 α = #VALUE! Minutes

T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/16/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/17/02 Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
A/S ID Number:	HPS-0916-02	RWP Number:		NWTS Num	N/A
Date Start:	9/16/02	Date Stop:	9/16/02		
Time Start:	737	Time Stop:	1500	Total Tim	443 Minutes
Sample Location:					7.3833333 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: S. Platt		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0916-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	1.1 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.860E-12 µCi/ml Beta/Gamma MDA= 5.40E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1703	1	10	0.1	0	0.1	0.67	0.47	2.22E+06	2.13E-07
βγ	1703	14	10	1.4	1.1	0.3	0.95	0.71	2.22E+06	3.20E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
443 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	7.974E+05	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	2.1E-07	µCi	8.0E+05	milliliters	2.7E-13	µCi/ml α	3.00 E-12
βγ	3.2E-07	µCi	8.0E+05	milliliters	4.0E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1845	5	10	0.5	0	0.5	0.67	2.37	2.22E+06	1.07E-06
βγ	1845	11	10	1.1	1.1	0	0.95	0.00	2.22E+06	<MDA

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	1.1E-06	µCi	8.0E+05	milliliters	1.3E-12	µCi/ml α *	3.00 E-12
βγ	<MDA	µCi	8.0E+05	milliliters	<MDA	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.
T 1/2 α = -47.37442 Minutes
T 1/2 βγ = #VALUE! Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — 9/16/02 Date

Reviewed By: Darl DeLong, NWT Hunters Point Project Manager — 9/17/02 Date

* < MDA

Sample
TIC 1PC9025 906057

			ALPHA				BETA				
			Eff: 31.50% Bkg: 0.00 cpm MDA: 0.86 dpm				Eff: 44.50% Bkg: 1.10 cpm MDA: 4.08 dpm				
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE / TI
001	00	CA	27	2.70	8.57		60	4.90	11.01		09-16-2002 16:4
002	00	0916.1	7	0.70	2.22		17	0.60	1.35		09-16-2002 16:5
003	00	0916.2	1	0.10	0.32		14	0.30	0.67		09-16-2002 17:0

Initial

Sample
TC IPC9025 906057

			ALPHA				BETA				
			Eff: 31.50% Bkg: 0.00 cpm MDA: 0.86 dpm				Eff: 44.50% Bkg: 1.10 cpm MDA: 4.08 dpm				
SN	RET	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE / TIME
001	00	GA	9	0.30	2.86		32	2.10	4.72		09-16-2002 18:24
002	00	0916.1	0	0.00	0.00		12	0.10	0.22		09-16-2002 18:34
003	00	0916.2	5	0.50	1.59		11	0.00	0.00		09-16-2002 18:45

Final

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench					
A/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A	
Date Start:	9/17/02	Date Stop:	9/17/02			
Time Start:	900	Time Stop:	1500	Total Tim	360	Minutes
Sample Location:						6 Hours
Sample Type:	Breathing Zone	General Are	X	Other		
	High Volume	Low Volume		Lapel/Personal		
Comments:	Sampled by: G. Wilson, NWT					

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Backgroun	0.7	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65 \ (RB/T)}{2.22\text{ E+6} * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 8.612E-13 µCi/ml Beta/Gamma MDA= 8.86E-13 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1513	51	10	5.1	0	5.1	0.67	24.16	2.22E+06	1.09E-05
βγ	1513	114	10	11.4	0.7	10.7	0.95	25.31	2.22E+06	1.14E-05

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
360 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	4.500E+06	milliliters

Initial Activity			Volume		Initial Activity		DAC
α	1.1E-05	µCi	4.5E+06	milliliters	2.4E-12	µCi/ml α	3.00 E-12
βγ	1.1E-05	µCi	4.5E+06	milliliters	2.5E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1625	21	10	2.1	0	2.1	0.67	9.95	2.22E+06	4.48E-06
βγ	1625	60	10	6	0.7	5.3	0.95	12.54	2.22E+06	5.65E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	4.5E-06	µCi	4.5E+06	milliliters	1.0E-12	µCi/ml α	3.00 E-12
βγ	5.6E-06	µCi	4.5E+06	milliliters	1.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 112 elapsed time between counts in minutes.

T 1/2 α = 87.492623 Minutes

T 1/2 βγ = 86.323243 Minutes

Technician Performing Calculations: [signature] 9/17/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: [signature] 9/18/02

Daryl DeLong, NWT Hunters Point Project Manager — Date

NSTRUCTION 1: Complete the following information concerning the sample:

'roject/Location:	Hunters Point / Parcel E Trench				
ID Number:	HPS-0917-01	RWP Number:		NWTS Num	N/A
e Start:	9/17/02	Date Stop:	9/17/02		
Time Start:	930	Time Stop:	1500	Total Tim	330 Minutes
					5.5 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0917-01		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background	0.7	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 6.524E-12 µCi/ml Beta/Gamma MDA= 6.71E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1523	5	10	0.5	0	0.5	0.67	2.37	2.22E+06	1.07E-06
βγ	1523	21	10	2.1	0.7	1.4	0.95	3.31	2.22E+06	1.49E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
330 min	0.0	CFM	0.000E+00	milliliters
	1.8	LPM	5.940E+05	milliliters

Initial Activity			Volume		Initial Activity		DAC
α	1.1E-06	µCi	5.9E+05	milliliters	1.8E-12	µCi/ml α	3.00 E-12
βγ	1.5E-06	µCi	5.9E+05	milliliters	2.5E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/~~Beta~~-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1635	1	10	0.1	0	0.1	0.67	0.47	2.22E+06	2.13E-07
βγ	1635	14	10	1.4	0.7	0.7	0.95	1.66	2.22E+06	7.46E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.1E-07	µCi	5.9E+05	milliliters	3.6E-13	µCi/ml α	3.00 E-12
βγ	7.5E-07	µCi	5.9E+05	milliliters	1.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 112 elapsed time between counts in minutes.

T 1/2 α = 48.235775 Minutes

T 1/2 βγ = 48.235775 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/17/02

Reviewed By: Daryl DeLong, NWT Hunters Point Project Manager — Date: 9/18/02

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
S ID Number:	HPS-0917-02	RWP Number:		NWTS Num	N/A
ate Start:	9/17/02	Date Stop:	9/17/02		
Time Start:	1110	Time Stop:	1500	Total Tim	230 Minutes
					3.8333333 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: T. Garcia		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean
Sampler I.D.:	HPS-0917-02		Counter I.D.:	
Cal. Date:	N/A		Probe I.D.:	
Cal. Due Date:	N/A		Cal. Date:	
Flow Rate Start:		CFM	Cal. Due Date:	
	1.8	LPM		
Flow Rate Stop:		CFM	Count Time:	10 Minutes
	1.8	LPM		
Average Flow Rate:	0.0	CFM		
	1.8	LPM	Alpha Eff:	31.50%
			Beta/Gamma Eff:	44.50%
			Alpha Background:	0.0 CPM
			Beta/Gamma Background	0.7 CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu\text{Ci/ml} = \frac{2.71 + 4.65\ (R_B/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 9.361E-12 µCi/ml Beta/Gamma MDA= 9.63E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1533	2	10	0.2	0	0.2	0.67	0.95	2.22E+06	4.27E-07
βγ	1533	11	10	1.1	0.7	0.4	0.95	0.95	2.22E+06	4.26E-07

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
230 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	4.140E+05 milliliters

Initial Activity			Volume		Initial Activity		DAC
α	4.3E-07	µCi	4.1E+05	milliliters	1.0E-12	µCi/ml α	3.00 E-12
βγ	4.3E-07	µCi	4.1E+05	milliliters	1.0E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1646	3	10	0.3	0	0.3	0.67	1.42	2.22E+06	6.40E-07
βγ	1646	25	10	2.5	0.7	1.8	0.95	4.26	2.22E+06	1.92E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	6.4E-07	µCi	4.1E+05	milliliters	1.5E-12	µCi/ml α	3.00 E-12
βγ	1.9E-06	µCi	4.1E+05	milliliters	4.6E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = -188.0462 Minutes

T 1/2 βγ = 86.66025 Minutes

Technician Performing Calculations: [signature] 9/17/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: [signature] 9/18/02

Daryl DeLong, NWT Hunters Point Project Manager — Date

* < MDA / < DAC

		EFF: 31.00% BKG: 0.00 CPM MDA: 0.00 CPM				EFF: 14.00% BKG: 0.70 CPM MDA: 3.38 CPM					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE / TIME
01	00	GA	51	5.10	16.19		114	10.70	24.04		09-17-2002 15:12:31
02	00	0917.1	5	0.50	1.59		21	1.40	3.15		09-17-2002 15:22:59
03	00	0917.2	2	0.20	0.63		11	0.40	0.90		09-17-2002 15:33:28

Initial

pr

			ALPHA				BETA				
			Eff: 31.50% Bkg: 0.00 cpm MDA: 0.86 dpm				Eff: 44.50% Bkg: 0.70 cpm MDA: 3.38 dpm				
N	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE / TIME
	00	CA	21	2.10	6.67		60	5.30	11.81		09-17-2002 16:25:06
02	00	0917.1	1	0.10	0.32		14	0.70	1.57		09-17-2002 16:35:34
03	00	0917.2	3	0.30	0.95		25	1.80	4.04		09-17-2002 16:46:03

Final

NSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
V/S ID Number:	153-107D	RWP Number:		NWTS Num	N/A
Date Start:	9/18/02	Date Stop:	9/18/02		
Time Start:	730	Time Stop:	1200	Total Tim	270 Minutes
Sample Location:					4.5 Hours
Sample Type:	Breathing Zone	General Are	X	Other	
	High Volume	Low Volume		Lapel/Personal	
Comments:	Sampled by: G. Wilson, NWT				

NSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	1531-107D		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	12.5	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	12.5	LPM			
Average Flow Rate:	0.0	CFM			
	12.5	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background	0.6	CPM

NSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$MDA \text{ in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
V = Sample Volume in Milliliters
T = Sample Count Time in Minutes
R_B = Background Count Rate in CPM
E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 1.148E-12 µCi/ml Beta/Gamma MDA= 1.15E-12 µCi/ml

NSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1523	20	10	2	0	2.0	0.67	9.48	2.22E+06	4.27E-06
βγ	1523	50	10	5	0.6	4.4	0.95	10.41	2.22E+06	4.69E-06

NSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate		Total Volume	
270 min	0.0	CFM	0.000E+00	milliliters
	12.5	LPM	3.375E+06	milliliters

INSTRUCTION 6: Determine the Initial Airborne Concentration

Initial Activity			Volume		Initial Activity		DAC
α	4.3E-06	µCi	3.4E+06	milliliters	1.3E-12	µCi/ml α	3.00 E-12
βγ	4.7E-06	µCi	3.4E+06	milliliters	1.4E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1813	12	10	1.2	0	1.2	0.67	5.69	2.22E+06	2.56E-06
βγ	1813	55	10	5.5	0.6	4.9	0.95	11.59	2.22E+06	5.22E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	2.6E-06	µCi	3.4E+06	milliliters	7.6E-13	µCi/ml α	3.00 E-12
βγ	5.2E-06	µCi	3.4E+06	milliliters	1.5E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 290 elapsed time between counts in minutes.

T 1/2 α = 393.50548 Minutes

T 1/2 βγ = -2534.196 Minutes

Technician Performing Calculations: [signature] 9/18/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: [signature] 9/19/02

Daryl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
Sample ID Number:	HPS-0918-01	RWP Number:		NWTS Num	N/A
Date Start:	9/18/02	Date Stop:	9/18/02		
Time Start:	750	Time Stop:	1500	Total Time	470 Minutes
Sample Location:					7.8333333 Hours
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: J. Richards		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0918-01		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background	0.6	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$\text{MDA in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.581E-12 µCi/ml Beta/Gamma MDA= 4.61E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1533	21	10	2.1	0	2.1	0.67	9.95	2.22E+06	4.48E-06
βγ	1533	64	10	6.4	0.6	5.8	0.95	13.72	2.22E+06	6.18E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
470 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	8.460E+05 milliliters

Initial Activity			Volume		Initial Activity		DAC
α	4.5E-06	µCi	8.5E+05	milliliters	5.3E-12	µCi/ml α	3.00 E-12
	6.2E-06	µCi	8.5E+05	milliliters	7.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1824	4	10	0.4	0	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1824	24	10	2.4	0.6	1.8	0.95	4.26	2.22E+06	1.92E-06

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	8.5E+05	milliliters	1.0E-12	µCi/ml α	3.00 E-12
βγ	1.9E-06	µCi	8.5E+05	milliliters	2.3E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 291 elapsed time between counts in minutes.

T 1/2 α = 121.63938 Minutes

T 1/2 βγ = 72.058852 Minutes

Technician Performing Calculations: [signature] 9/18/02

Brian M Henderson, NWT Hunters Point Lab — Date

Reviewed By: [signature] 9/19/02

Daryl DeLong, NWT Hunters Point Project Manager — Date

AIR SAMPLE DATA WORKSHEET

INSTRUCTION 1: Complete the following information concerning the sample:

Project/Location:	Hunters Point / Parcel E Trench				
Air Sample Number:	HPS-0918-02	RWP Number:		NWTS Number:	N/A
Date Start:	9/18/02	Date Stop:	9/18/02		
Time Start:	750	Time Stop:	1500	Total Time:	470 Minutes
					7.8333333 Hours
Sample Location:					
Sample Type:	Breathing Zone	General Area	Other		
	High Volume	Low Volume	Lapel/Person	X	
Comments:	Sampled By J. Lott	See Attachment	Employee: T. Garcia		

INSTRUCTION 2: Complete the following information concerning sampling equipment and counting equipment:

Type Sampler:	N/A		Type Counter:	Protean	
Sampler I.D.:	HPS-0918-02		Counter I.D.:		
Cal. Date:	N/A		Probe I.D.:		
Cal. Due Date:	N/A		Cal. Date:		
Flow Rate Start:		CFM	Cal. Due Date:		
	1.8	LPM			
Flow Rate Stop:		CFM	Count Time:	10	Minutes
	1.8	LPM			
Average Flow Rate:	0.0	CFM			
	1.8	LPM	Alpha Eff:	31.50%	
			Beta/Gamma Eff:	44.50%	
			Alpha Background:	0.0	CPM
			Beta/Gamma Background:	0.6	CPM

INSTRUCTION 3: Calculate the alpha and beta-gamma MDA values:

$$MDA \text{ in } \mu Ci/ml = \frac{2.71 + 4.65 \ (RB/T)}{2.22\ E{+}6 * E * V}$$

where:
- V = Sample Volume in Milliliters
- T = Sample Count Time in Minutes
- R_B = Background Count Rate in CPM
- E = Instrument Efficiency Expressed as a Decimal

Alpha MDA = 4.581E-12 µCi/ml Beta/Gamma MDA= 4.61E-12 µCi/ml

INSTRUCTION 4: Upon completion of the end of sampling period, perform the initial count of the sample within 15 (if feasible) minutes:

Initial Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/uCi	Activity (uCi)
α	1544	26	10	2.6	0	2.6	0.67	12.32	2.22E+06	5.55E-06
βγ	1544	61	10	6.1	0.6	5.5	0.95	13.01	2.22E+06	5.86E-06

INSTRUCTION 5: Calculate the Total Sample Volume:

Total Sample Run Time	Sample Average Flow Rate	Total Volume
470 min	0.0 CFM	0.000E+00 milliliters
	1.8 LPM	8.460E+05 milliliters

Initial Activity			Volume		Initial Activity		DAC
α	5.5E-06	µCi	8.5E+05	milliliters	6.6E-12	µCi/ml α	3.00 E-12
βγ	5.9E-06	µCi	8.5E+05	milliliters	6.9E-12	µCi/ml βγ	6.00 E-08

INSTRUCTION 7: If either the Alpha/Beta-Gamma activity exceeds 10% of the DAC value of the known radionuclide(s) of concern, then a recount of the sample is required after a 1/2 hour decay period (if feasible) to allow the short lived Radon daughters to decay.

/2 hr. Decay Count	Time Counted	Gross Counts	Count Period (Min)	Gross Count Rate	Background Count Rate	Net Count Rate	CF	EFF CPM/DPM	DPM/mCi	Activity µCi
α	1834	4	10	0.4	0	0.4	0.67	1.90	2.22E+06	8.54E-07
βγ	1834	10	10	1	0.6	0.4	0.95	0.95	2.22E+06	4.26E-07

INSTRUCTION 8: Determine the airborne concentration following 3 Hr. decay and utilizing volume data in Instruction 5:

3 hr. Decayed Activity			Volume		3 hr. Decayed Activity		DAC
α	8.5E-07	µCi	8.5E+05	milliliters	1.0E-12	µCi/ml α	3.00 E-12
βγ	4.3E-07	µCi	8.5E+05	milliliters	5.0E-13	µCi/ml βγ	6.00 E-08

INSTRUCTION 9: Determine the half-life of the radionuclide(s) using the following formula:

$$T1/2\ (Min) = \frac{-.693(t)}{\ln \frac{\text{Final Activity}}{\text{Initial Activity}}}$$

t = 110 elapsed time between counts in minutes.

T 1/2 α = 40.734107 Minutes

T 1/2 βγ = 10.772344 Minutes

Technician Performing Calculations: Brian M Henderson, NWT Hunters Point Lab — Date: 9/18/02

Reviewed By: Daryl DeLong, NWT Hunters Point Project Manager — Date: 9/19/02

RPT	ID	COUNTS	RPS CPM	PPM	LIMITS	COUNTS	NPS CPM	PPM	LIMITS	DATE	TIME
55	GA	30	2.00	0.55		50	4.40	9.00		09-18-2002	15:22:15
56	0016.1	31	2.16	0.59		54	5.85	15.05		09-18-2002	15:33:22
	0016.2	26	2.00	0.55		61	5.50	13.75		09-18-2002	15:44:19

initial

REF: 21.0%	BAG: 0.00 cpm	MDA: 0.04 cpm	AVG: 45.0%	BAG: 0.00 cpm	MDA: 0.01 cpm

[illegible]	[illegible]	COUNTS	REF CPM	CPM	LIMITS	COUNTS	REF CPM	CPM	LIMITS	DATE	TIME
[illegible]	[illegible]	12	1.20	4.81		55	4.90	11.02		09-18-2002	18:12:22
[illegible]	0918.1	4	0.40	1.27		21	1.80	4.04		09-18-2002	18:23:50
[illegible]	0918.2	4	0.40	1.27		10	0.40	0.90		09-18-2002	18:34:18

Final

ATTACHMENT 2
CONSTRUCTION DISPOSAL RECORDS

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0002
PC-3
Manifest Tracking
Concrete Disposal from July 22, 2002 through July 26, 2002

Load Number	Time In	Time Out	Date (DD/MM/YY)	Date Received at Landfill (DD/MM/YY)	Manifest Number (xxxxx)	Navy Tracking Number	Truck Tarped	Material Type		Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #	Concrete Totals
32	7:30	7:50	25-Jul-02	25-Jul-02	164253	AN 3215	x	Wood	Concrete	123889-00	11.37	428.62	Barajas Trkg.	1	
34	7:30	8:02	25-Jul-02	25-Jul-02	164251	AN 3217	x	Wood	Concrete	123921-00	20.28	466.61	Martini Trkg.	D-1	
36		8:35	25-Jul-02	25-Jul-02	164248	AN 3220	x	Wood	Concrete	123947-00	17.02	504.71	Rege Trkg.	6	
38	7:40		25-Jul-02	25-Jul-02	164246	AN 3222	x	Wood	Concrete	123966-00	14.20	538.83	Martini Trkg.	K-99	
39	7:50	8:53	25-Jul-02	25-Jul-02	164245	AN 3223	x	Wood	Concrete	123962-00	14.40	553.23	AVOCA	A101	
40	8:19		25-Jul-02	25-Jul-02	164244	AN 3224	x	Wood	Concrete	123983-00	12.72	565.95	AVOCA	A102	
41	8:56	9:26	25-Jul-02	25-Jul-02	164243	AN 3225	x	Wood	Concrete	123998-00	15.21	581.16	B. Jenkins	B-94	
42	8:56	9:38	25-Jul-02	25-Jul-02	164242	AN 3226	x	Wood	Concrete	124000-00	16.07	597.23	B. Jenkins	B3	
43	12:15	12:32	25-Jul-02	25-Jul-02	164241	AN 3227	x	Wood	Concrete	124081-00	11.36	608.59	Barajas Trkg.	1	
45		13:30	25-Jul-02	25-Jul-02	164239	AN 3229	x	Wood	Concrete	124123-00	19.56	646.21	Martini Trkg.	D-1	
46		13:40	25-Jul-02	25-Jul-02	164238	AN 3230	x	Wood	Concrete	124135-00	17.13	663.34	Rege Trkg.	6	
47		15:12	25-Jul-02	26-Jul-02	164237	AN 3231	x	Wood	Concrete	124717-00	12.86	676.20	B. Jenkins	B3	
48		15:15	25-Jul-02	26-Jul-02	164236	AN 3232	x	Wood	Concrete	124342-00	13.15	689.35	Antonio Transporters	A-1	
49		15:19	25-Jul-02	26-Jul-02	164235	AN 3233	x	Wood	Concrete	124719-00	15.86	705.21	B. Jenkins	B-94	
50		15:26	25-Jul-02	26-Jul-02	164234	AN 3234	x	Wood	Concrete	124222-00	14.92	720.13	AVOCA	A101	302.88
51		7:24	26-Jul-02	26-Jul-02	164233	AN 3235	x	Wood	Concrete	124301-00	17.97	738.10	Barbary Coast	1	
52		7:37	26-Jul-02	26-Jul-02	164232	AN 3236	x	Wood	Concrete	124321-00	19.66	757.76	Marshall Trkg.	156	
53		7:42	26-Jul-02	26-Jul-02	164231	AN 3237	x	Wood	Concrete	124310-00	14.37	772.13	Marshall Trkg.	419	
54		7:57	26-Jul-02	26-Jul-02	164230	AN 3238	x	Wood	Concrete	124360-00	17.02	789.15	A&B Trucking	A-1	
55		8:09	26-Jul-02	26-Jul-02	164229	AN 3239	x	Wood	Concrete	124347-00	18.79	807.94	B. Jenkins	B-94	
56		8:38	26-Jul-02	26-Jul-02	164228	AN 3240	x	Wood	Concrete	124345-00	12.69	820.63	B. Jenkins	B3	
57		10:20	26-Jul-02	26-Jul-02	164227	AN 3241	x	Wood	Concrete	124497-0	18.83	839.46	AVCOA	A101	
58		12:23	26-Jul-02	26-Jul-02	164226	AN 3242	x	Wood	Concrete	124515-00	20.88	860.34	Barbary Coast	1	
59		12:26	26-Jul-02	26-Jul-02	164225	AN 3243	x	Wood	Concrete	124465-00	19.98	880.32	Marshall Trkg.	156	
60		12:36	26-Jul-02	26-Jul-02	164224	AN 3244	x	Wood	Concrete	124486-00	18.09	898.41	Marshall Trkg.	419	
61		13:00	26-Jul-02	26-Jul-02	164223	AN 3245	x	Wood	Concrete	124498-00	18.03	916.44	Galvan	Ken	
62		13:25	26-Jul-02	26-Jul-02	164222	AN 3246	x	Wood	Concrete	124507-00	16.83	933.27	A&B Trucking	A-1	
63		13:30	26-Jul-02	26-Jul-02	164221	AN 3247	x	Wood	Concrete	124520-00	17.28	950.55	B. Jenkins	B3	
64		13:35	26-Jul-02	26-Jul-02	164220	AN 3248	x	Wood	Concrete	124518-00	17.42	967.97	B. Jenkins	B-94	
65		13:43	26-Jul-02	26-Jul-02	164219	AN 3249	x	Wood	Concrete	124522-00	13.65	981.62	Antonio Transporters	A-1	
66		14:43	26-Jul-02	27-Aug-02	164218	AN 3250	x	Wood	Concrete	124549-00	13.93	995.55	Gee Tee's Sand & Grvl.	G-55	275.42
															578.30

Total Concrete Debris Disposal 578.30 Tons 31 loads through July 26, 2002

Cost $ 89.00 Per Ton

Total Cost $ 51,468.70 through July 26, 2002

16.63

9/5/029/5/02 10:08 PM

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
inteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123889	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
25 July 2002	9:47 am

DATE OUT	TIME OUT
25 July 2002	9:47 am

VEHICLE	ROLL OFF
BARAJAS 1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 54,060.00 LB
Stored Tare Weight 31,320.00 LB
Net Weight 22,740.00 LB 11.37 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.37	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ı this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ıd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164253

DRIVER'S SIGNATURE Horacio BARASA

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3215

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | [date]

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
MARTINI TRK.
ADDRESS
NAVY SHIP YARD
CITY, STATE, ZIP
SF
PHONE
822-1199
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Horacio BARAJAS | 7-25-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B46808	01

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 7-25-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

CHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT O REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123921	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
25 July 2002	12:07 pm
DATE OUT	**TIME OUT**
25 July 2002	10:31 am

VEHICLE	ROLL OFF
MARTI D1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 73,100.00 LB
Tare Weight 32,540.00 LB
Net Weight 40,560.00 LB 20.28 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.28	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164251

DRIVER'S SIGNATURE Ed Walton

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3217

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARTINI TRUCKING
ADDRESS: HUNTERS POINT
CITY, STATE, ZIP: SAN FRANCISCO
PHONE: 415 716-4579
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Ed Walton
DATE: 7-25-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91406	D-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
inteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123947	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
25 July 2002	12:47 pm
DATE OUT	**TIME OUT**
25 July 2002	11:07 am

VEHICLE	ROLL OFF
REGE 6	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 66,320.00 LB
Tare Weight 32,280.00 LB
Net Weight 34,040.00 LB 17.02 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.02	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164248

DRIVER'S SIGNATURE

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123962	

WEIGHMASTER
NANCY

DATE IN	TIME IN
25 July 2002	11:14 am
DATE OUT	**TIME OUT**
25 July 2002	11:33 am

VEHICLE	ROLL OFF
AVOCA A101	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 62,640.00 LB
Stored Tare Weight 33,840.00 LB
Net Weight 28,800.00 LB 14.40 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.40	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164245

DRIVER'S SIGNATURE Robert Johnson

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3223

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Avora
ADDRESS Hunter Ship yard
CITY, STATE, ZIP SF, CA
PHONE (08 (415) 822-0755
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Robert John 7/25/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A101

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123966	

WEIGHMASTER: NANCY

DATE IN	TIME IN
25 July 2002	11:17 am

DATE OUT	TIME OUT
25 July 2002	11:36 am

VEHICLE	ROLL OFF
LOVE R99	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 58,860.00 LB
Tare Weight 30,460.00 LB
Net Weight 28,400.00 LB 14.20 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.20	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164246

DRIVER'S SIGNATURE J. WES.

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3226

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Rage TRK

ADDRESS 1470 "D" Wharton

CITY, STATE, ZIP CONCORD

PHONE 925 798 6037

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 7/25/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9 B39964	6

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* | 7-25-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY MANIFEST # 1 0 4 0 4 0

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123983	

WEIGHMASTER
NANCY

DATE IN	TIME IN
25 July 2002	11:59 am
DATE OUT	**TIME OUT**
25 July 2002	11:59 am

VEHICLE	ROLL OFF
AVOCA 102	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 58,380.00 LB
Stored Tare Weight 32,940.00 LB
Net Weight 25,440.00 LB 12.72 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.72	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is
this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business
d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO

MANIFEST #164244

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3222

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER OPK Corp
ADDRESS 23573 Soto Rd
CITY, STATE, ZIP Hayward CA
PHONE N/A
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* James Wesley 9/25/07

NOTES: VEHICLE LICENSE NUMBER | TRUCK NUMBER
~~9BC47~~ R-99
9D49237

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* 9/25/07

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3224

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or Title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER AVCON

ADDRESS Hunters Point

CITY, STATE, ZIP SF

PHONE 415-822-0755

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 25 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C26658	A-102

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7/25/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123998	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
25 July 2002	10:00 am

DATE OUT	TIME OUT
25 July 2002	12:17 pm

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 67,800.00 LB
Stored Tare Weight 37,380.00 LB
Net Weight 30,420.00 LB 15.21 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.21	TN	13 CONSTRUCTION DEBRIS				

'EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164243

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3225 GDSR

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D. Jenkins
ADDRESS: INNES S.F. Ca
CITY, STATE, ZIP: San Francisco ca 94124
PHONE: 722-5528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 25 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/25

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☒ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 104042

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124000	

WEIGHMASTER: NANCY

DATE IN	TIME IN
25 July 2002	11:57 am
DATE OUT	TIME OUT
25 July 2002	12:17 pm

VEHICLE	ROLL OFF
JENKINS B3	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIQNONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 70,180.00 LB
Stored Tare Weight 38,040.00 LB
Net Weight 32,140.00 LB 16.07 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.07	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ı this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ıd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

MANIFEST #164242

TENDERED

CHANGE

CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3226

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda,CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Bernard Jenkins

ADDRESS 1650 Dunn

CITY, STATE, ZIP S.F. Ca. 94124

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7/25/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C31471	B-3

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7/25/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124081	

WEIGHMASTER
NANCY

DATE IN	TIME IN
25 July 2002	2:23 pm
DATE OUT	**TIME OUT**
25 July 2002	2:37 pm

VEHICLE	ROLL OFF
BARAJAS 1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 55,000.00 LB
Stored Tare Weight 32,280.00 LB
Net Weight 22,720.00 LB 11.36 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.36	TN	13 CONSTRUCTION DEBRIS				

/EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164241

DRIVER'S SIGNATURE Horacio BARAJAS

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3227

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARTIN TRK / HORACIO BARAJAS
ADDRESS: NAVY Ship Yard
CITY, STATE, ZIP:
PHONE: 822-1199
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *HORACIO BARAJAS
DATE: 25 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B46808	SV BARA 01

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # [illegible]

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124123	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
25 July 2002	3:45 pm

DATE OUT	TIME OUT
25 July 2002	3:45 pm

VEHICLE	ROLL OFF
MARTI D1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 71,660.00 LB
Tare Weight 32,540.00 LB
Net Weight 39,120.00 LB 19.56 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.56	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164239

DRIVER'S SIGNATURE Ed Walton

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3229

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] for Fuller

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
MARTINI TRUCKING
ADDRESS
HUNTERS POINT
CITY, STATE, ZIP
SAN FRANCISCO
PHONE
415-716-9579
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Ed Walter | 7/25/96

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91406	D-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # [illegible]

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124135	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
25 July 2002	4:21 pm

DATE OUT	TIME OUT
25 July 2002	4:21 pm

VEHICLE	ROLL OFF
REGE 6	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 66,540.00 LB
Tare Weight 32,280.00 LB
Net Weight 34,260.00 LB 17.13 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.13	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ı this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ıd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164238

DRIVER'S SIGNATURE D. Mc

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3236

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Regal
ADDRESS: 4470 Whitmore
CITY, STATE, ZIP: Concord
PHONE: 925 798 6077
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7/25/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B29964	6

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/25/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124222	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	7:52 am

DATE OUT	TIME OUT
26 July 2002	7:52 am

VEHICLE	ROLL OFF
AVOCA A101	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 63,760.00 LB
Stored Tare Weight 33,920.00 LB
Net Weight 29,840.00 LB 14.92 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.92	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ı this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ıd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164234

DRIVER'S SIGNATURE Robert John

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3234

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER AVOCA
ADDRESS Hunter point ship yard
CITY, STATE, ZIP SF CA
PHONE (415) 822-0755
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Robert John | 25 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A-101

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
Linteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124301	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
26 July 2002	9:51 am

DATE OUT	TIME OUT
26 July 2002	9:51 am

VEHICLE	ROLL OFF
BARB 01	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 67,720.00 LB
Stored Tare Weight 31,780.00 LB
Net Weight 35,940.00 LB 17.97 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.97	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164233

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3235

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* J. [illegible] for the Navy

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Barbary Coast Trucking & Backers
ADDRESS 3801 3rd #156
CITY, STATE, ZIP S.F. CA 94124
PHONE 415 740 9459
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [illegible] | 7/26/01

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A41047	01

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124310	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
26 July 2002	9:58 am

DATE OUT	TIME OUT
26 July 2002	9:58 am

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 63,680.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 28,740.00 LB 14.37 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.37	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

MANIFEST #1642311 AA

TENDERED

CHANGE

CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3237

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Marshall Trucking
ADDRESS P.O. Box 31686
CITY, STATE, ZIP Oakland, CA, 94604
PHONE 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-26-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9883144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # [illegible]

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124342	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	10:14 am
DATE OUT	**TIME OUT**
26 July 2002	10:38 am

VEHICLE	ROLL OFF
ANTI A1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 64,680.00 LB
Tare Weight 38,380.00 LB
Net Weight 26,300.00 LB 13.15 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.15	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST # 164236

DRIVER'S SIGNATURE

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124321	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
26 July 2002	7:57 am

DATE OUT	TIME OUT
26 July 2002	10:11 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 70,400.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 39,320.00 LB 19.66 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.66	TN	13 CONSTRUCTION DEBRIS				

'EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164232

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3236

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature]

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Fords Trucking
ADDRESS 400 Mocking Bird Ln
CITY, STATE, ZIP Oakley CA. 94561
PHONE 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 7-26-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 7-26-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3232

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Antonio's Transport
ADDRESS: 37 Bond Ave
CITY, STATE, ZIP: Daly City
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 25 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
2B49384	A-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY MANIFEST # 164226

FORWARD
INCORPORATED

19 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, C 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124345	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	10:47 am

DATE OUT	TIME OUT
26 July 2002	10:47 am

VEHICLE	ROLL OFF
JENKINS B3	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 56,440.00 LB
Stored Tare Weight 31,060.00 LB
Net Weight 25,380.00 LB 12.69 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.69	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164228

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST 4W 3240

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Bennett Trucking
ADDRESS 1650 Innes
CITY, STATE, ZIP San Francisco
PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 7/26/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C31471	B-3

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* | 7/26/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY MANIFEST # 164228

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124347	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	10:50 am

DATE OUT	TIME OUT
26 July 2002	10:50 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 70,880.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 37,580.00 LB 18.79 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.79	TN	13 CONSTRUCTION DEBRIS				

'EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164229

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3239

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER D. Jekins
ADDRESS INNESRUE
CITY, STATE, ZIP S.F. 94124
PHONE 415-722-5528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-26-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* 7/26/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164229

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124360	WEIGHMASTER
NANCY	DATE IN	TIME IN
26	DATE OUT 2002	10:50 TIME OUT
26	VEHICLE 2002	11:11 ROLL OFF
REFERENCE SAM A1		ORIGIN

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

SAN FRANCISCO

00 Gross Weight 66,780.00 LB
Stored Tare Weight 32,740.00 LB

Inbound - SCALE TICKET

QTY	UNIT	Net Weight 34,040.00 LB 17.02 TN	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.02	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164230

DRIVER'S SIGNATURE Sam Allen

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3238

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: A & B Trucking
ADDRESS: 345 South 37th
CITY, STATE, ZIP: Richmond CA 94804
PHONE: 510 812-1157
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 26 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39645	A-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7.26.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ɜource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124465	

WEIGHMASTER: NANCY

DATE IN	TIME IN
26 July 2002	2:32 pm

DATE OUT	TIME OUT
26 July 2002	2:32 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 71,040.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 39,960.00 LB 19.98 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.98	TN	13 CONSTRUCTION DEBRIS				

MANIFEST #164225

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST NJ 3243

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Ford's Trucking
ADDRESS 100 Mockingbird Cno
CITY, STATE, ZIP Oakley CA. 94561
PHONE 925 625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-26-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7-26-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164225

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124486	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
26 July 2002	3:21 pm

DATE OUT	TIME OUT
26 July 2002	3:21 pm

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 71,120.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 36,180.00 LB 18.09 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.09	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164224

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3244

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Marshall Trucking
ADDRESS P.O. Box 31686
CITY, STATE, ZIP Oakland, CA 94604
PHONE 510-719-9868

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-26-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7-26-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY MANIFEST # 164224

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124497	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
26 July 2002	3:50 pm

DATE OUT	TIME OUT
26 July 2002	3:50 pm

VEHICLE	ROLL OFF
AVOCA A101	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 71,580.00 LB
Stored Tare Weight 33,920.00 LB
Net Weight 37,660.00 LB 18.83 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.83	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164227

DRIVER'S SIGNATURE Robert John

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3241

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER AVOCA
ADDRESS Hunters point Ship yard
CITY, STATE, ZIP SF CA
PHONE (415) 821-0755
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Robert J. | 7/26/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	101

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* | 7/26/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 104027

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124498	

WEIGHMASTER
NANCY

DATE IN	TIME IN
26 July 2002	3:37 pm
DATE OUT	**TIME OUT**
26 July 2002	3:56 pm

VEHICLE	ROLL OFF
GALVAN KEN	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 71,400.00 LB
Tare Weight 35,340.00 LB
Net Weight 36,060.00 LB 18.03 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.03	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164223

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3245

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO. 2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Galvan Trucking
ADDRESS: 85 Hillsstreet
CITY, STATE, ZIP: daly city Ca 94014
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Jose Rodriguez
DATE: 7-25-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9D04447	Ken

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # [illegible]

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
ıteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124507	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	4:24 pm
DATE OUT	**TIME OUT**
26 July 2002	4:24 pm

VEHICLE	ROLL OFF
SAM A1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 66,000.00 LB
Stored Tare Weight 32,740.00 LB
Net Weight 33,260.00 LB 16.63 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.63	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ı this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ıd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164222

DRIVER'S SIGNATURE Sam Allen

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3746

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: A + B Trucking
ADDRESS: 345 South 37th
CITY, STATE, ZIP: Rich. CA 94804
PHONE: 510 812-1757
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 26 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39645	A-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 7-26-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY MANIFEST # 104000

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124515	

WEIGHMASTER
NANCY

DATE IN	TIME IN
26 July 2002	4:40 pm

DATE OUT	TIME OUT
26 July 2002	4:51 pm

VEHICLE	ROLL OFF
BARB 01	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 77,320.00 LB
Stored Tare Weight 35,560.00 LB
Net Weight 41,760.00 LB 20.88 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.88	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164226

DRIVER'S SIGNATURE Sinry

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3242

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda,CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Barbary Coast Trucking & Brokers
ADDRESS 3801 3rd ST #1156
CITY, STATE, ZIP S.F. CA 94124
PHONE 415 7409959
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Jimmie Ray Poole | 7/26/

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A41047	01

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124518	

WEIGHMASTER: NANCY

DATE IN	TIME IN
26 July 2002	4:56 pm

DATE OUT	TIME OUT
26 July 2002	4:56 pm

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 68,140.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 34,840.00 LB 17.42 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.42	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164220

DRIVER'S SIGNATURE Dante alejandro

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3248

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER B. Jenkins
ADDRESS INNES AVE
CITY, STATE, ZIP SF, CA 94124
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-26-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* 7-26-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124520	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	5:05 pm

DATE OUT	TIME OUT
26 July 2002	5:05 pm

VEHICLE	ROLL OFF
JENKINS B3	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 65,620.00 LB
Stored Tare Weight 31,060.00 LB
Net Weight 34,560.00 LB 17.28 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.28	TN	13 CONSTRUCTION DEBRIS				

/EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ·n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164221

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3247

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
ADDRESS 1650
CITY, STATE, ZIP SF CA
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7/20/02
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C31471	B-3

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST #

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124522	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
26 July 2002	5:07 pm

DATE OUT	TIME OUT
26 July 2002	5:07 pm

VEHICLE	ROLL OFF
ANTI A1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 65,680.00 LB
Tare Weight 38,380.00 LB
Net Weight 27,300.00 LB 13.65 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.65	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164219

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3249

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
ADDRESS
CITY, STATE, ZIP
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES: | VEHICLE LICENSE NUMBER: 9B49384 | TRUCK NUMBER: A-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164219

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124549	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
27 July 2002	6:54 am

DATE OUT	TIME OUT
27 July 2002	7:19 am

VEHICLE	ROLL OFF
GEE 655	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 60,220.00 LB
Tare Weight 32,360.00 LB
Net Weight 27,860.00 LB 13.93 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.93	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164218

DRIVER'S SIGNATURE Gregory McLeod

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AJ 3250

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Gee Tee's Sand + Gravel
ADDRESS: 363 Head ST.
CITY, STATE, ZIP: San Francisco, ca. 94132
PHONE: 415 305-7538

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 7/26/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B46887	G-55

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 7/27/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124717	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
29 July 2002	7:53 am
DATE OUT	**TIME OUT**
29 July 2002	8:30 am

VEHICLE	ROLL OFF
JENKINS B3	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 63,700.00 LB
Stored Tare Weight 37,980.00 LB
Net Weight 25,720.00 LB 12.86 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.86	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ›n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164237

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3231

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bernal Jenkins Trucking
ADDRESS:
CITY, STATE, ZIP: San Francisco Ca
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7/25/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C31471	B-3

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/29/02

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # [illegible]

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
;ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124719	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
29 July 2002	7:57 am
DATE OUT	**TIME OUT**
29 July 2002	8:33 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 69,080.00 LB
Stored Tare Weight 37,360.00 LB
Net Weight 31,720.00 LB 15.86 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.86	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164235

DRIVER'S SIGNATURE Darsta alexander

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3233

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER B. Jekins
ADDRESS ENNES AVE
CITY, STATE, ZIP S.F. CA 94124
PHONE 415-722-9528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7/25/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* 7.29.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164235

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0002
Manifest Tracking
Wood Debris Disposal (July 22 - 27, 2002)

Load Number	Time In	Time Out	Date (DD/MM/YY)	Date Received at Landfill (DD/MM/YY)	Manifest Number (xxxxx)	Navy Tracking Number	Truck Tarped	Material Type		Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #
1		8:17	23-Jul-02	23-Jul-02	164283	AN 3185	x	Wood	Concrete	123175-00	10.01	10.01	Marshall Trkg	156
2		8:43	23-Jul-02	23-Jul-02	164282	AN 3186	x	Wood	Concrete	123197-00	9.28	19.29	Marshall Trkg	419
3		9:04	23-Jul-02	23-Jul-02	164281	AN 3187	x	Wood	Concrete	123265-00	14.21	33.50	CARR Transport	1
4		9:30	23-Jul-02	23-Jul-02	164280	AN 3188	x	Wood	Concrete	123211-00	13.60	47.10	LME	26
5		9:47	23-Jul-02	23-Jul-02	164279	AN 3189	x	Wood	Concrete	123267-00	11.80	58.90	Erin Trkg.	1279
6		10:22	23-Jul-02	23-Jul-02	164278	AN 3190	x	Wood	Concrete	123278-00	16.15	75.05	Barbary Coast	1
7		10:40	23-Jul-02	23-Jul-02	164277	AN 3191	x	Wood	Concrete	123310-00	17.78	92.83	B. Jenkins	94
8		11:00	23-Jul-02	23-Jul-02	164276	AN 3192	x	Wood	Concrete	123309-00	15.89	108.72	B. Jenkins	B3
9		11:10	23-Jul-02	23-Jul-02	164275	AN 3193	x	Wood	Concrete	123315-00	10.52	119.24	BG Trkg.	0
10		11:31	23-Jul-02	23-Jul-02	164274	AN 3194	x	Wood	Concrete	123312-00	11.98	131.22	Antonio Transporters	A-1
11		11:54	23-Jul-02	23-Jul-02	164273	AN 3195	x	Wood	Concrete	123314-00	11.78	143.00	Rege Trkg.	87
12		12:11	23-Jul-02	23-Jul-02	164272	AN 3202	x	Wood	Concrete	123316-00	11.38	154.38	Erin Trkg.	95
13		12:25	23-Jul-02	24-Jul-02	164271	AN 3196	x	Wood	Concrete	123415-00	13.87	168.25	Kehoe Trkg.	Ken
14		12:44	23-Jul-02	**23-Jul-02**	164270	AN 3197	x	Wood	Concrete	123365-00	10.51	178.76	Fords	156
15		13:20	23-Jul-02	23-Jul-02	164269	AN 3198	x	Wood	Concrete	123378-00	15.95	194.71	Marshall Trkg	419
16		13:40	23-Jul-02	23-Jul-02	164268	AN 3199	x	Wood	Concrete	123409-00	10.80	205.51	Erin Trkg.	1279
17		15:56	23-Jul-02	**24-Jul-02**	164267	AN 3200	x	Wood	Concrete	123506-00	14.38	219.89	Fords	156
18	7:17	7:40	24-Jul-02	24-Jul-02	164266	AN 3201	x	Wood	Concrete	123327-00	14.50	234.39	Rege Trkg.	14
19	7:20	7:52	24-Jul-02	24-Jul-02	164265	AN 3203	x	Wood	Concrete	123571-00	18.23	252.62	Marshall Trkg	419
20		8:14	24-Jul-02	24-Jul-02	164264	AN 3204	x	Wood	Concrete	123568-00	14.87	267.49	CARR Transport	C-1
21	7:35	8:31	24-Jul-02	24-Jul-02	164263	AN 3205	x	Wood	Concrete	123589-00	18.13	285.62	Barbary Coast	1
22	7:57	8:52	24-Jul-02	24-Jul-02	164262	AN 3206	x	Wood	Concrete	123599-00	13.60	299.22	Antonio Transporters	A-1
23	8:28	9:16	24-Jul-02	24-Jul-02	164249	AN 3219	x	Wood	Concrete	123587-00	16.48	315.70	Rege Trkg.	14
24	11:06	11:40	24-Jul-02	27-Jul-02	164261	AN 3207	x	Wood	Concrete	124581-00	8.66	324.36	Galvin	Ken
25	12:00	12:45	24-Jul-02	24-Jul-02	164260	AN 3208	x	Wood	Concrete	123696-00	13.56	337.92	Marshall Trkg.	156
26	12:41	13:13	24-Jul-02	24-Jul-02	164259	AN 3209	x	Wood	Concrete	123762-00	13.77	351.69	B. Jenkins	B3
27	12:41	13:33	24-Jul-02	24-Jul-02	164258	AN 3210	x	Wood	Concrete	123761-00	15.89	367.58	B. Jenkins	B-94
28	13:12	13:47	24-Jul-02	24-Jul-02	164257	AN 3211	x	Wood	Concrete	123744-00	13.12	380.70	Marshall Trkg	419
29	13:30	14:09	24-Jul-02	24-Jul-02	164256	AN 3212	x	Wood	Concrete	123758-00	13.50	394.20	CARR Transport	1
30		14:55	24-Jul-02	**25-Jul-02**	164255	AN 3213	x	Wood	Concrete	123778-00	11.95	406.15	Galvin	Ken
31		13:25	24-Jul-02	**25-Jul-02**	164254	AN 3214	x	Wood	Concrete	123956-00	11.10	417.25	Antonio Transporters	A-1
33	7:30	7:58	25-Jul-02	25-Jul-02	164252	AN 3216	x	Wood	Concrete	123910-00	17.71	446.33	Ford	156
35	7:30	8:20	25-Jul-02	25-Jul-02	164250	AN 3218	x	Wood	Concrete	123979-00	21.08	487.69	Marshall Trkg.	419
37	7:30	8:44	25-Jul-02	25-Jul-02	164247	AN 3221	x	Wood	Concrete	123978-00	19.92	524.63	CARR Transport	C-1
44	12:17	12:58	25-Jul-02	25-Jul-02	164240	AN 3228	x	Wood	Concrete	124097-00	18.06	626.65	Marshall Trkg.	156

Total Wood Debris Disposal **494.12 Tons** **35** **loads through July 26, 2002**

494.02

RECEIVED
AUG 15 2002

PURCHASE ORDER
011170324
THIS NUMBER MUST APPEAR ON ALL INVOICES, PACKING SLIPS, PACKAGES & CORRESPONDENCE

BUYER:
Innovative Technical Solutions, Inc.
2855 Mitchell Drive, Suite 111
Walnut Creek, CA 94598

SELLER:
Forward Incorporated
P.O. Box 6336
Stockton, CA 95206

Project # 01-117.03-11

Attn:

Ship supplies or perform services:
( ) CONFIRMING ORDER ( ) CHANGE ORDER ( ) TAXABLE ( ) NON-TAXABLE
( ) Davis-Bacon Mininmum Wage/Weekly Certified Payroll ( )R-150 Equipment Inspection Report

PLEASE ENTER OUR OR AND FURNISH GOODS OR SERVICE SPECIFIED BELOW IN ACCORDANCE WITH TERMS OF THIS PURCHASE ORDER INCLUDING THOSE TERMS AND CONDITIONS ATTACHED HERETO

ITEM	QTY	U/M	DESCRIPTION/PRODUCT NUMBER	UNIT PRICE	TOTAL
1		1LOT	T&D	75,000.00	75,000.00

Total 75,000.00*

7/31 004631 <28,634.75>

BILLING INSTRUCTIONS: Send an original and one copy of invoice to the address below, marked "ATTN: ACCOUNTS PAYABLE"

ACCEPTANCE OF THIS ORDER IS EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF THE ORDER.

PURCHASING AGENT
DATE:

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123175	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	10:21 am

DATE OUT	TIME OUT
23 July 2002	10:48 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 53,160.00 LB
Stored Tare Weight 33,140.00 LB
Net Weight 20,020.00 LB 10.01 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.01	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ın this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164283

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3185

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * J. K. [illegible] for Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: 400 MOCKINGBIRD LN
CITY, STATE, ZIP: OAKLEY, CA. 94561
PHONE: 925-625-5152
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [illegible]
DATE: 7-23-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [illegible]
DATE: 7-23-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123197	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	10:51 am
DATE OUT	**TIME OUT**
23 July 2002	11:22 am

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 56,680.00 LB
Stored Tare Weight 38,120.00 LB
Net Weight 18,560.00 LB 9.28 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
9.28	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164282

DRIVER'S SIGNATURE

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123211	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	1:32 pm
DATE OUT	**TIME OUT**
23 July 2002	11:46 am

VEHICLE	ROLL OFF
LME 26	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 64,200.00 LB
Tare Weight 37,000.00 LB
Net Weight 27,200.00 LB 13.60 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.60	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164280

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3188

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* J. Kell for Navy

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard S.F.

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
EME
ADDRESS NATIONAL DR.
CITY, STATE, ZIP LIVERMORE CA
PHONE 925-443-0226
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES: VEHICLE LICENSE NUMBER 9A55338 | TRUCK NUMBER 06
BBN

END DUMP ☒ | BOTTOM DUMP ☐ | TRANSFER ☐
ROLL-OFF(S) ☐ | FLAT-BED ☐ | VAN ☐ | DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 7/03/
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3186

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * J. Keel for the Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARS Hall Trucking
ADDRESS: P.O. Box 31686
CITY, STATE, ZIP: Oakland, CA 94604
PHONE: 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * C. E. Marshall
DATE: 7-23-02

NOTES:
VEHICLE LICENSE NUMBER: 9B83144
TRUCK NUMBER: 419

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * C. M. Hall
DATE: 7-23-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO DENIAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123265	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	12:36 pm

DATE OUT	TIME OUT
23 July 2002	1:18 pm

VEHICLE	ROLL OFF
CARR C1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 63,880.00 LB
Stored Tare Weight 35,460.00 LB
Net Weight 28,420.00 LB 14.21 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.21	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164281

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3187

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] for the Navy

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER CARR TRANSPORT
ADDRESS 535 DECARLO RD
CITY, STATE, ZIP REDWOOD
PHONE 510 236-6766
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature]

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C38429	01

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 11/28/07

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123267	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	12:59 pm

DATE OUT	TIME OUT
23 July 2002	1:23 pm

VEHICLE	ROLL OFF
ERIN 1279	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 60,580.00 LB
Tare Weight 36,980.00 LB
Net Weight 23,600.00 LB 11.80 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.80	TN 13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164279

DRIVER'S SIGNATURE J. Buckley

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3189

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* for Navy

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER ERIN TRUCKING
ADDRESS 839 SANTIAGO ST.
CITY, STATE, ZIP S.F. 94116
PHONE (415) 716 7989
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* J. Buckley

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C45111	1279

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 7.23.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123278	

WEIGHMASTER: NANCY

DATE IN	TIME IN
23 July 2002	11:12 am

DATE OUT	TIME OUT
23 July 2002	1:37 pm

VEHICLE	ROLL OFF
BARB 01	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 68,320.00 LB
Stored Tare Weight 36,020.00 LB
Net Weight 32,300.00 LB 16.15 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.15	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164278

DRIVER'S SIGNATURE Jim Bell

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3190

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bayway Cons Trucking & Brokers
ADDRESS: 3801 3rd St #1136
CITY, STATE, ZIP: SF, CA 94124
PHONE: 4157409459
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7/23/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A41047	01

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/23/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123309	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	1:38 pm
DATE OUT	TIME OUT
23 July 2002	2:25 pm

VEHICLE	ROLL OFF
JENKINS B3	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 69,480.00 LB
Stored Tare Weight 37,700.00 LB
Net Weight 31,780.00 LB 15.89 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.89	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164276

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3192

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* J. Ken for the Navy

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Bernard Jenkins Trucking
ADDRESS
CITY, STATE, ZIP San Francisco Ca
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 7/23/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1VW3323	B3

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 7-23-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123310	

WEIGHMASTER: NANCY

DATE IN	TIME IN
23 July 2002	1:40 pm
DATE OUT	TIME OUT
23 July 2002	2:24 pm

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 68,860.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 35,560.00 LB 17.78 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.78	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164277

DRIVER'S SIGNATURE Dalefand

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3191

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER J. JEKINS
ADDRESS 1530 I NIVES
CITY, STATE, ZIP S.F. CA. 94124
PHONE 415-722-9528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	94

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☒ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123312	

WEIGHMASTER	
MARIA D	
DATE IN	TIME IN
23 July 2002	3:42 pm
DATE OUT	TIME OUT
23 July 2002	2:27 pm
VEHICLE	ROLL OFF
ANTONIO 7	
REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 61,760.00 LB
Tare Weight 37,800.00 LB
Net Weight 23,960.00 LB 11.98 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.98	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164274

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3194

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard S.F.

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Antonio's Transport
ADDRESS 37 2nd Ave
CITY, STATE, ZIP Daly City
PHONE 415-740-1075
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7-23-02
*

NOTES: VEHICLE LICENSE NUMBER 9B49384 | TRUCK NUMBER A-1

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 7/23/02
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
Source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 46[illegible]-0631

SITE	TICKET	GRID
01	123314	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	1:59 pm

DATE OUT	TIME OUT
23 July 2002	2:28 pm

VEHICLE	ROLL OFF
JR 87	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 60,940.00 LB
Tare Weight 37,380.00 LB
Net Weight 23,560.00 LB 11.78 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.78	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164273

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3195

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
REGE TRKG
ADDRESS
CONCORD CA.
CITY, STATE, ZIP
PHONE 925-672-0009
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-/23/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A91183	87

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7/23/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123315	

WEIGHMASTER: NANCY

DATE IN	TIME IN
23 July 2002	1:48 pm
DATE OUT	**TIME OUT**
23 July 2002	2:28 pm

VEHICLE	ROLL OFF
BG 00	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 57,940.00 LB
Tare Weight 36,900.00 LB
Net Weight 21,040.00 LB 10.52 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.52	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ind Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164275

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3193

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
Big Tree
ADDRESS
911 Wisconsin St #101
CITY, STATE, ZIP
San Francisco
PHONE 415 822 0003
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7-23-02
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1WD5840	00

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 7/23/02
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
:ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123316	

WEIGHMASTER: NANCY

DATE IN	TIME IN
23 July 2002	2:12 pm
DATE OUT	**TIME OUT**
23 July 2002	2:32 pm

VEHICLE	ROLL OFF
ERIN 95	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 58,940.00 LB
Tare Weight 36,180.00 LB
Net Weight 22,760.00 LB 11.38 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.38	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164272

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3196

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
Kehoe Trucking

ADDRESS 439 Santiago

CITY, STATE, ZIP SF CA 94116

PHONE 415 716 7989

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 7-23-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39752	95

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* | 7/23/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123327	

WEIGHMASTER: NANCY

DATE IN	TIME IN
23 July 2002	2:19 pm
DATE OUT	**TIME OUT**
23 July 2002	2:46 pm

VEHICLE	ROLL OFF
REGE 14	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 68,580.00 LB
Tare Weight 39,580.00 LB
Net Weight 29,000.00 LB 14.50 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.50	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164266

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3202

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] for the Day

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Rogé Truckins
ADDRESS 1470 Wharton Way "D"
CITY, STATE, ZIP Concord Ca 94521
PHONE 925 798 6037

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 7/23/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C29955	14

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 7-23-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123365	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
23 July 2002	3:55 pm

DATE OUT	TIME OUT
23 July 2002	3:55 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 54,160.00 LB
Stored Tare Weight 33,140.00 LB
Net Weight 21,020.00 LB 10.51 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.51	TN	13	CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164270

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3198

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER MARSHALL TRUCKING
ADDRESS 400 MOCKINGBIRD LN
CITY, STATE, ZIP OAKLEY, CA 94561
PHONE 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7-23-02
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41449	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 7/23
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123378	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
23 July 2002	4:18 pm
DATE OUT	**TIME OUT**
23 July 2002	4:18 pm

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 70,020.00 LB
Stored Tare Weight 38,120.00 LB
Net Weight 31,900.00 LB 15.95 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.95	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164269

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3199

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: P.O. BOX 31686
CITY, STATE, ZIP: OAKLAND, CA. 94604
PHONE: 510-419-9869
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7-23-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123409	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
24 July 2002	6:22 am

DATE OUT	TIME OUT
24 July 2002	6:46 am

VEHICLE	ROLL OFF
ERIN 1279	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 59,180.00 LB
Tare Weight 37,580.00 LB
Net Weight 21,600.00 LB 10.80 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.80	TN	13 CONSTRUCTION DEBRIS				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164268

DRIVER'S SIGNATURE J. Buckley

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3260

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for the Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ERIN TRUCKING
ADDRESS: 839 SANTIAGO ST.
CITY, STATE, ZIP: S.F. CA 94116
PHONE: 415-716 7989
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * J. BUCKLEY
DATE: 7/23/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C45111	1379

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * CYNTHIA
DATE: 7.24.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123415	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
24 July 2002	6:26 am

DATE OUT	TIME OUT
24 July 2002	6:51 am

VEHICLE	ROLL OFF
GALVAN KEN	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 63,140.00 LB
Tare Weight 35,400.00 LB
Net Weight 27,740.00 LB 13.87 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.87	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164271

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3197

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] for R Nay

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Galvan Trucking
ADDRESS 85 Hill Street
CITY, STATE, ZIP daly city Ca 94014
PHONE (650) 922-17-94
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 7-23-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9D04447	Ken

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 7/24/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123506	

WEIGHMASTER: NANCY

DATE IN	TIME IN
24 July 2002	9:45 am
DATE OUT	**TIME OUT**
24 July 2002	9:45 am

VEHICLE: FORDS 156

ROLL OFF:

REFERENCE:

ORIGIN: SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 59,660.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 28,760.00 LB 14.38 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.38	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164267

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

SN 3201

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.

2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: 400 MOCKINGBIRD LN
CITY, STATE, ZIP: OAKLEY, CA. 94561
PHONE: 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7-24-02

NOTES:
VEHICLE LICENSE NUMBER: 9C41419
TRUCK NUMBER: SY 49 156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7-24-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123568	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
24 July 2002	10:43 am

DATE OUT	TIME OUT
24 July 2002	11:18 am

VEHICLE	ROLL OFF
CARR C1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 67,380.00 LB
Stored Tare Weight 37,640.00 LB
Net Weight 29,740.00 LB 14.87 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.87	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164264

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3204

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: CARR TRANSPORTATION
ADDRESS: 555 DECARLO RD
CITY, STATE, ZIP: RICHMOND
PHONE: 510-236-6766
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7-24

NOTES:
VEHICLE LICENSE NUMBER: 9C38429
TRUCK NUMBER: C1

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/24/11

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123571	

WEIGHMASTER: NANCY

DATE IN	TIME IN
24 July 2002	8:49 am

DATE OUT	TIME OUT
24 July 2002	11:22 am

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 72,120.00 LB
Stored Tare Weight 35,660.00 LB
Net Weight 36,460.00 LB 18.23 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.23	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #~~64265~~ 164265

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3263

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * for the Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: P.O. BOX 31686
CITY, STATE, ZIP: OAKLAND, CA. 94604
PHONE: 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7-24-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/24/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123587	

WEIGHMASTER: NANCY

DATE IN	TIME IN
24 July 2002	9:22 am

DATE OUT	TIME OUT
24 July 2002	11:47 am

VEHICLE	ROLL OFF
REGE 14	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 72,920.00 LB
Tare Weight 39,960.00 LB
Net Weight 32,960.00 LB 16.48 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.48	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164249

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST # 3219

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Rege Trucking's
ADDRESS 1470 "D" Wharton
CITY, STATE, ZIP Concord 94521
PHONE 925 798 6037
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 7/24/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C29955	14

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* | 7/24/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123589	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
24 July 2002	11:51 am
DATE OUT	**TIME OUT**
24 July 2002	11:51 am

VEHICLE	ROLL OFF
BARR 01	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 72,260.00 LB
Stored Tare Weight 36,000.00 LB
Net Weight 36,260.00 LB 18.13 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.13	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164263

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3305

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature]

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER BAR BAY COAST TRUCKING & BACKHOE
ADDRESS 3801 32ND ST #1156
CITY, STATE, ZIP SF CA 94124
PHONE 415 740 9459
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 7/24/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A41047	1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 7/24/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123599	

WEIGHMASTER: NANCY

DATE IN	TIME IN
24 July 2002	11:39 am
DATE OUT	**TIME OUT**
24 July 2002	12:01 pm

VEHICLE	ROLL OFF
ANTI A1	
REFERENCE	**ORIGIN**
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 66,120.00 LB
Tare Weight 38,920.00 LB
Net Weight 27,200.00 LB 13.60 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.60	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #~~164264~~ 164262

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3206

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * for the Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Antonio's Transport Rehoo Inc
ADDRESS: 37 2nd Ave
CITY, STATE, ZIP: Daly City
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Antonio Rios
DATE: 7-24-02

NOTES:
VEHICLE LICENSE NUMBER: 9B49384
TRUCK NUMBER: A-1

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/24/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124581	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
27 July 2002	8:46 am

DATE OUT	TIME OUT
27 July 2002	9:01 am

VEHICLE	ROLL OFF
GALVAN KEN	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 53,140.00 LB
Tare Weight 35,820.00 LB
Net Weight 17,320.00 LB 8.66 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
8.66	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164261

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3267

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
A L Cain
ADDRESS
839 Santiago St.
CITY, STATE, ZIP
San Francisco CA 94116
PHONE
(415) 716 7988
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 07-24-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39784	~~301~~ KEN

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7/27/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
Linteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123696	

WEIGHMASTER
NANCY

DATE IN	TIME IN
24 July 2002	2:52 pm
DATE OUT	**TIME OUT**
24 July 2002	2:52 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 58,020.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 27,120.00 LB 13.56 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.56	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO

MANIFEST #164260

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3208

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER MARSHALL TRUCKING
ADDRESS 400 MOCKINGBIRD LN
CITY, STATE, ZIP OAKLEY, CA. 94561
PHONE 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 7-24-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123744	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
24 July 2002	4:10 pm
DATE OUT	TIME OUT
24 July 2002	4:10 pm

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 61,900.00 LB
Stored Tare Weight 35,660.00 LB
Net Weight 26,240.00 LB 13.12 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.12	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164257

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3211

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda,CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* for the Navy

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER MARS HALL TRUCKING
ADDRESS P.O. Box 31686
CITY, STATE, ZIP Oakland, CA. 94604
PHONE 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 7-24-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123758	

WEIGHMASTER: NANCY

DATE IN	TIME IN
24 July 2002	4:54 pm
DATE OUT	**TIME OUT**
24 July 2002	4:54 pm

VEHICLE: CARR C1

ROLL OFF:

REFERENCE:

ORIGIN: SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 62,460.00 LB
Stored Tare Weight 35,460.00 LB
Net Weight 27,000.00 LB 13.50 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.50	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164256

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3212

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER CAKK TRANSPORT
ADDRESS 555 DE CARLO RD
CITY, STATE, ZIP RICHMOND
PHONE 510 236-6766
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 24 July

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C38429	5V7 C-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123761	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
24 July 2002	4:11 pm

DATE OUT	TIME OUT
24 July 2002	5:16 pm

VEHICLE	ROLL OFF
JENKINS 74	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 68,400.00 LB
Stored Tare Weight 36,620.00 LB
Net Weight 31,780.00 LB 15.89 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.89	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ›n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164258

DRIVER'S SIGNATURE Dardo Alfaro

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3210 6F4A

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER D-Jekin

ADDRESS Innes Ave.

CITY, STATE, ZIP SF. CA.

PHONE 415-722-9528

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 24 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123762	

WEIGHMASTER: NANCY

DATE IN	TIME IN
24 July 2002	4:13 pm
DATE OUT	TIME OUT
24 July 2002	5:16 pm

VEHICLE	ROLL OFF
JENKINS B3	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 65,080.00 LB
Stored Tare Weight 37,540.00 LB
Net Weight 27,540.00 LB 13.77 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.77	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164259

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3269

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: B. Jenkins Trucking
ADDRESS: 1660 Innes St
CITY, STATE, ZIP: San Francisco Ca
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 24 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1VW3323	B-3

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
ıanteca, CA 95336
ındfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123778	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
25 July 2002	6:11 am

DATE OUT	TIME OUT
25 July 2002	6:28 am

VEHICLE	ROLL OFF
GALVAN KEN	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 58,820.00 LB
Tare Weight 34,920.00 LB
Net Weight 23,900.00 LB 11.95 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.95	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164255

DRIVER'S SIGNATURE Jose

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3213

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for Sr. Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO. 2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Galvan Trucking
ADDRESS: 85 Hill street daly city
CITY, STATE, ZIP: CA 94014
PHONE: (650) 222-17-94
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Jose Rodriguez
DATE: 7-24-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9D04447	KEN

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 7/25/

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
arteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123910	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
25 July 2002	11:53 am

DATE OUT	TIME OUT
25 July 2002	10:17 am

VEHICLE	ROLL OFF
FORD KF2 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 68,620.00 LB
Tare Weight 33,200.00 LB
Net Weight 35,420.00 LB 17.71 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.71	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164252

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3216

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER MANSHALL TRUCKING
ADDRESS 400 MOCKING BIRD LN
CITY, STATE, ZIP OAKLEY, CA. 94561
PHONE 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-25-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	15e

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7/25/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123956	

WEIGHMASTER	
NANCY	
DATE IN	TIME IN
25 July 2002	10:53 am
DATE OUT	TIME OUT
25 July 2002	11:24 am
VEHICLE	ROLL OFF
ANTI A1	
REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 60,860.00 LB
Tare Weight 38,660.00 LB
Net Weight 22,200.00 LB 11.10 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.10	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164254

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3214 60860

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7/24/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B49384	A-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123978	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
25 July 2002	9:08 am
DATE OUT	**TIME OUT**
25 July 2002	11:54 am

VEHICLE	ROLL OFF
CARR C1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 75,360.00 LB
Stored Tare Weight 35,520.00 LB
Net Weight 39,840.00 LB 19.92 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.92	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164247

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3221

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER CAKE TRANSPORT
ADDRESS 555 DELAKO RD
CITY, STATE, ZIP RICHMOND
PHONE 510 236 5766
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7/25/02
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C38429	2-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 7/25/02
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124097	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
25 July 2002	3:03 pm

DATE OUT	TIME OUT
25 July 2002	3:03 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 67,020.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 36,120.00 LB 18.06 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.06	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164240

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3228

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Ford's Trucking
ADDRESS 400 MOCKINGBIRD LN
CITY, STATE, ZIP OAKLEY, CA. 94561
PHONE 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7-25-02
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 7-25-02
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	123979	

WEIGHMASTER	
NANCY	
DATE IN	TIME IN
25 July 2002	9:25 am
DATE OUT	TIME OUT
25 July 2002	11:54 am
VEHICLE	ROLL OFF
MARSH 419	
REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 80,260.00 LB
Stored Tare Weight 38,100.00 LB
Net Weight 42,160.00 LB 21.08 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.08	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164250

DRIVER'S SIGNATURE

] Keller Canyon Sanitary Landfill
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ Ox Mountain Sanitary Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

Sanitary Landfill
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

9999 [illegible]
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3218

WASTE ACCEPTANCE NO.
2168

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

RECEIVING FACILITY

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

NOTES: S.V. 9B83144

VEHICLE LICENSE NUMBER: 4BC7051
TRUCK NUMBER: 419

TRANSPORTER: Marshall Trks.
ADDRESS: P.O. Box 31686
CITY, STATE, ZIP: Oakland, CA. 94604
PHONE: 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE: 7-25-02

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

CUBIC YARDS

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE: 7/25/02

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJ
TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEF

MANIFEST # 16425

LANDFILL COPY

SUBMITTAL NO. HPL-06	CQC CLAUSE IS APPLICABLE ☑ IS NOT APPLICABLE ☐		
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**		REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor) Innovative Technical Solutions (ITSI) 2730 Shadelands Drive, Suite 100 Walnut Creek, CA 94598	TO (A) **ROICC** **Hunter's Point, CA**	(A) DESIGNER
	CONTRACT NO. ***N68711-D-6110-0003***	CONTRACT TITTLE **EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM**	
(B) (Check One) X RECORD ____ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER Concrete load Tickets Concrete testing results Specification: 03300 Section Number: 1.2.2		(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)* IT IS HEREBY CERTIFIED THAT THE ☐ QUIPMENT ☑ ATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT **N68711-D-6110-0003** IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.		
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c) [illegible]	DATE 11-25-02	(C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE		
	FROM *(Designer)*	TO *(ROICC/REICC)*	
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES- REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE:		(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE	DATE	
	PART III - FOR ROICC/REICC USE		
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC)	TO (E)	(E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS:		
	SIGNATURE	DATE	

992.54 tons

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0002
PC-3
Manifest Tracking
Concrete Disposal From July 29, 2002 through August 9, 2002
Actual Costs for Labor (DB), materials, subcontracts will be provided under separate cover

Load Number	Date (DD/MM/YY)	Manifest Number (xxxxx)	Navy Tracking Number		Material Type	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #	
67	29-Jul-02	164217	AN	3251	Concrete	17.29	17.29	Marshall Trkg.	156	1
68	29-Jul-02	164216	AN	3252	Concrete	16.2	33.49	Marshall Trkg.	419	2
69	29-Jul-02	164215	AN	3253	Concrete	16.54	50.03	Edmonds Trkg.	E-21	3
70	29-Jul-02	164214	AN	3254	Concrete	12.62	62.65	CARR Transport	C-1	4
71	29-Jul-02	164213	AN	3255	Concrete	17.95	80.60	Antonio Transporters	A-1	5
72	29-Jul-02	164212	AN	3256	Concrete	19.2	99.80	Marshall Trkg.	156	6
73	29-Jul-02	164211	AN	3257	Concrete	17.71	117.51	Edmonds Trkg.	E-21	7
74	29-Jul-02	164210	AN	3258	Concrete	15.74	133.25	Marshall Trkg.	419	8
75	29-Jul-02	164209	AN	3259	Concrete	16.79	150.04	CARR Transport	C-1	9
76	6-Aug-02	164208	AN	3260	Concrete	17.78	167.82	Marshall Trkg.	156	10
77	6-Aug-02	164207	AN	3261	Concrete	16.52	184.34	AVCOA	A101	11
78	6-Aug-02	164206	AN	3262	Concrete	15.52	199.86	Larry Williams	528	12
79	6-Aug-02	164205	AN	3263	Concrete	18.31	218.17	Marshall Trkg.	419	13
80	6-Aug-02	164204	AN	3264	Concrete	13.85	232.02	Martini Trkg.	M-1	14
81	6-Aug-02	164203	AN	3265	Concrete	17.65	249.67	One Love Trkg.	R-99	15
82	6-Aug-02	164202	AN	3266	Concrete	21.29	270.96	B. Jenkins	B-94	16
83	6-Aug-02	164201	AN	3267	Concrete	21.31	292.27	B. Jenkins	B-3	17
84	6-Aug-02	164200	AN	3268	Concrete	15.73	308.00	B. Jenkins	J-10	18
85	6-Aug-02	164199	AN	3269	Concrete	19.29	327.29	B. Jenkins	B-94	19
86	6-Aug-02	164198	AN	3270	Concrete	16.59	343.88	AVCOA	A101	20
87	6-Aug-02	164197	AN	3271	Concrete	24.66	368.54	B. Jenkins	B-94	21
88	6-Aug-02	164196	AN	3272	Concrete	13.31	381.85	Marshall Trkg.	156	22
89	6-Aug-02	164195	AN	3273	Concrete	15.91	397.76	Larry Williams	528	23
90	6-Aug-02	164194	AN	3274	Concrete	10.85	408.61	Marshall Trkg.	419	24
91	6-Aug-02	164193	AN	3275	Concrete	11.23	419.84	Martini Trkg.	M-1	25
92	7-Aug-02	164192	AN	3276	Concrete	17.2	437.04	Marshall Trkg.	156	26
93	7-Aug-02	164191	AN	3277	Concrete	14.18	451.22	Marshall Trkg.	419	27
94	7-Aug-02	164190	AN	3278	Concrete	14.18	465.40	Larry Williams	528	28
95	7-Aug-02	164189	AN	3279	Concrete	10.32	475.72	Mikey Obrian	405	29
96	7-Aug-02	164188	AN	3280	Concrete	12.32	488.04	B. Jenkins	B-94	30
97	7-Aug-02	164187	AN	3281	Concrete	10.42	498.46	D.J. Van Hooks	R-137	31
98	7-Aug-02	164186	AN	3282	Concrete	16.01	514.47	Erin Kehoe	1379	32
99	7-Aug-02	164185	AN	3283	Concrete	12.1	526.57	B. Jenkins	B-94	33
100	7-Aug-02	164184	AN	3284	Concrete	14.51	541.08	Marshall Trkg.	156	34
101	7-Aug-02	162154	AN	3299	Concrete	10.79	551.87	Mikey Obrian	405	35
102	7-Aug-02	162155	AN	3300	Concrete	13.21	565.08	Larry Williams	528	36
103	7-Aug-02	162156	AN	3301	Concrete	12.47	577.55	Marshall Trkg.	419	37
104	7-Aug-02	162157	AN	3302	Concrete	14.51	592.06	B. Jenkins	B-94	38
105	8-Aug-02	162158	AN	3303	Concrete	12.59	604.65	D.J. Van Hooks	R-137	39
106	8-Aug-02	162159	AN	3304	Concrete	14.31	618.96	Marshall Trkg.	156	40
107	8-Aug-02	162160	AN	3305	Concrete	16.51	635.47	AVCOA	A101	41
108	8-Aug-02	162161	AN	3306	Concrete	11.24	646.71	D.J. Van Hooks	R-137	42
109	8-Aug-02	162162	AN	3307	Concrete	10.7	657.41	Hamon	443	43
110	8-Aug-02	162163	AN	3308	Concrete	24.39	681.80	B. Jenkins	B-94	44
111	8-Aug-02	162164	AN	3309	Concrete	14.97	696.77	Larry Williams	528	45
112	8-Aug-02	162165	AN	3310	Concrete	13.04	709.81	Baba Budda J.	90	46
113	8-Aug-02	162166	AN	3311	Concrete	16.81	726.62	Marshall Trkg.	156	47
114	8-Aug-02	162167	AN	3312	Concrete	16.82	743.44	AVCOA	A101	48
115	8-Aug-02	162168	AN	3313	Concrete	13.95	757.39	Hamon	443	49
116	9-Aug-02	162169	AN	3314	Concrete	16.46	773.85	Larry Williams	528	50
117	9-Aug-02	162170	AN	3315	Concrete	19.24	793.09	AVCOA	A101	51
118	9-Aug-02	162171	AN	3316	Concrete	20.32	813.41	D&W Trucking	D-97	52
119	9-Aug-02	162172	AN	3317	Concrete	16.04	829.45	D&W Trucking	B-84	53
120	9-Aug-02	162173	AN	3318	Concrete	19.2	848.65	B. Jenkins	B-3	54
121	9-Aug-02	162174	AN	3319	Concrete	14.94	863.59	B. Jenkins	B-94	55
122	9-Aug-02	162175	AN	3320	Concrete	14.8	878.39	Hamon	H-48	56
123	9-Aug-02	162176	AN	3321	Concrete	15.4	893.79	B. Jenkins	B-94	57
124	9-Aug-02	162177	AN	3322	Concrete	19.22	913.01	B. Jenkins	B-94	58
125	9-Aug-02	162178	AN	3323	Concrete	16.02	929.03	B. Jenkins	B-94	59
126	9-Aug-02	162179	AN	3324	Concrete	24.64	953.67	D.J. Van Hooks	R-137	60
127	9-Aug-02	162180	AN	3325	Concrete	23.74	977.41	D.J. Van Hooks	R-137	61
128	9-Aug-02	162181	AN	3326	Concrete	15.13	992.54	D.J. Van Hooks	R-137	62
						992.54				

Total Conc **992.54** **62** **loads from July 29 through August 9 based on actual quantities**

T&D Cost $ ~~69.30~~

Total Cost $ 68,783.02

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

DIV	TICKET	GRID
01	124757	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
29 July 2002	9:31 am

DATE OUT	TIME OUT
29 July 2002	9:31 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 65,660.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 34,580.00 LB 17.29 TN

QUANTITY	UNIT	CODE	DESCRIPTION	PRICE	EXTENSION	TAX	TOTAL
17.29	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164217

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3251

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Ford's Trucking
ADDRESS 400 Mocking Bird Ln
CITY, STATE, ZIP Dublin, CA 94561
PHONE 1925 625 5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-29-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 7-29-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 104017

FORWARD INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124780	

WEIGHMASTER
NANCY

DATE IN	TIME IN
29 July 2002	10:08 am

DATE OUT	TIME OUT
29 July 2002	10:08 am

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 67,340.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 32,400.00 LB 16.20 TN

QUANTITY	UNIT	DESCRIPTION	RATE	PRECISION	DISCOUNT	TOTAL
16.20	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164216

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3252

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Marshall Trucking
ADDRESS: P.O. Box 31686
CITY, STATE, ZIP: Oakland, CA. 94604
PHONE: 510-719-9968
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7-29-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 7/29/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124766	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
29 July 2002	9:41 am

DATE OUT	TIME OUT
29 July 2002	9:41 am

VEHICLE	ROLL OFF
EDMON E21	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 67,760.00 LB
Stored Tare Weight 34,680.00 LB
Net Weight 33,080.00 LB 16.54 TN

QUANTITY	UNIT	MATERIAL DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.54	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO

MANIFEST #164215

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

3/4/320 AN 3253

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER A.M. CAN
ADDRESS 269 MONTANA ST.
CITY, STATE, ZIP S.F. CA. 94112
PHONE 415 337-1769
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-25-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23876	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 1 0 4 0 1 5

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	PARAGRID
01	124792	

WEIGHMASTER
NANCY

DATE IN	TIME IN
29 July 2002	10:25 am

DATE OUT	TIME OUT
29 July 2002	10:25 am

VEHICLE	ROLLOFF
CARR C1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 55,860.00 LB
Stored Tare Weight 30,620.00 LB
Net Weight 25,240.00 LB 12.62 TN

QUANTITY	UNIT	DESCRIPTION	RATE	PER	TAX	TOTAL
12.62	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164214

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
90[illegible] Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST IN 3254

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER CMKR TRANSPORTATION
ADDRESS 555 DECARLOND
CITY, STATE, ZIP RICHMOND
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 7-29-02
*

NOTES: | VEHICLE LICENSE NUMBER | TRUCK NUMBER 9C38479 C-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	BID
01	124859	

WEIGHMASTER: NANCY

DATE IN	TIME IN
29 July 2002	11:34 am

DATE OUT	TIME OUT
29 July 2002	12:11 pm

VEHICLE	PULL OFF
ANTI A1	

NUMBER TENDERED	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 70,200.00 LB
Tare Weight 34,300.00 LB
Net Weight 35,900.00 LB 17.95 TN

QUANTITY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.95	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164213

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3255

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
Antonio's Transport
ADDRESS
372 Bond Ave
CITY, STATE, ZIP
Daly City Ca.
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 29 July 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B49384	A-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* | 9.29.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST [redacted]4213

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124918	

WEIGHMASTER	
MARIA D	
DATE IN	TIME IN
29 July 2002	2:02 pm
DATE OUT	TIME OUT
29 July 2002	2:02 pm
VEHICLE	ROLL OFF
FORDS 156	
REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 69,480.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 38,400.00 LB 19.20 TN

QTY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.20	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164212

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3256

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature]

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Fords Trucking
ADDRESS 400 Mockingbird Ln
CITY, STATE, ZIP Oakley, CA 94561
PHONE 925 625 5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 7-29-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature]

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164212

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124921	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
29 July 2002	2:06 pm

DATE OUT	TIME OUT
29 July 2002	2:06 pm

VEHICLE	ROLL OFF
EDMON E21	

REFERENCE NO.	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 69,740.00 LB
Stored Tare Weight 34,320.00 LB
Net Weight 35,420.00 LB 17.71 TN

QUANTITY	UNIT	NO.	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.71	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164211

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AJ 3257

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER A.M. CAN
ADDRESS 269 MONTANA ST.
CITY, STATE, ZIP San Francisco, CA.
PHONE 415-337-1767
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-29-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23876	E-21

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☒ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 1 0 4 0 1 1

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124950	

WEIGHMASTER
NANCY

DATE IN	TIME IN
29 July 2002	2:43 pm

DATE OUT	TIME OUT
29 July 2002	2:43 pm

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 66,420.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 31,480.00 LB 15.74 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.74	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164210

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3258

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: P.O. BOX 31686
CITY, STATE, ZIP: Oakland, CA 94604
PHONE: 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-29-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164210

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	124990	

WEIGHMASTER
NANCY

DATE IN	TIME IN
29 July 2002	4:01 pm

DATE OUT	TIME OUT
29 July 2002	4:01 pm

VEHICLE	PROJ. OF
CARR C1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 64,200.00 LB
Stored Tare Weight 30,620.00 LB
Net Weight 33,580.00 LB 16.79 TN

QUANTITY	UNIT	DESCRIPTION	PRICE	EXTENSION	TAX	TOTAL
16.79	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164209

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AW 3259

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER CARR TRANSPORTATION
ADDRESS 555 DE BARLOW
CITY, STATE, ZIP RICHMOND
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 7-28-03

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C38429	C-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

'NG MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT 'L UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE

MANIFEST # 164206

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127268	

WEIGHMASTER: NANCY

DATE IN	TIME IN
6 August 2002	9:52 am

DATE OUT	TIME OUT
6 August 2002	9:52 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 66,640.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 35,560.00 LB 17.78 TN

QTY	UNIT	DESCRIPTION	DATE	EXTENSION	TAX	TOTAL
17.78	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ın this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164208

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3260

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's Trucking
ADDRESS: 400 Mockingbird Ln
CITY, STATE, ZIP: Oakley, CA 94561
PHONE: 925 625-5152
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8-6-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164208

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127282	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
6 August 2002	10:06 am

DATE OUT	TIME OUT
6 August 2002	10:06 am

VEHICLE	ROLL OFF
AVOC A101	

REFERENCE	ORIGIN
	SACRAM COUNTY

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 66,840.00 LB
Stored Tare Weight 33,800.00 LB
Net Weight 33,040.00 LB 16.52 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.52	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164207

DRIVER'S SIGNATURE Robert John

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3261

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: AVOCG
ADDRESS: Hunter point shipyard
CITY, STATE, ZIP: SF, CA
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A-101

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 8.6.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164207

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127295	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
6 August 2002	10:22 am

DATE OUT	TIME OUT
6 August 2002	10:22 am

VEHICLE	ROLL OFF
LARRY 528	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 60,360.00 LB
Stored Tare Weight 29,320.00 LB
Net Weight 31,040.00 LB 15.52 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.52	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164206

DRIVER'S SIGNATURE Larry G Wilkes

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3262

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
LARRY WILLIAMS
ADDRESS
363 PAGE ST
CITY, STATE, ZIP
SAN FRANCISCO
PHONE 8635030
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A31214	528

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 8-6-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164206

FORWARD
INCORPORATED

199 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127309	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
6 August 2002	10:38 am

DATE OUT	TIME OUT
6 August 2002	10:38 am

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 71,560.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 36,620.00 LB 18.31 TN

QUANTITY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.31	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164205

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3263

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER MARSHALL TRUCKING
ADDRESS P.O. BOX 31686
CITY, STATE, ZIP OAKLAND, CA, 94604
PHONE 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE 6 Aug 02
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE 8/6/02
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164205

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127331	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
6 August 2002	10:48 am

DATE OUT	TIME OUT
6 August 2002	11:08 am

VEHICLE	ROLL OFF
MARTINEZ 1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 58,980.00 LB
Tare Weight 31,280.00 LB
Net Weight 27,700.00 LB 13.85 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.85	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164204

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3264

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
Martin's Trucking Service Inc

ADDRESS
1145 Fairway St

CITY, STATE, ZIP
Oakland Ca 94603

PHONE
510 238-0923

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C29809	M-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164204

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127320	

WEIGHMASTER
NANCY

DATE IN	TIME IN
6 August 2002	10:56 am

DATE OUT	TIME OUT
6 August 2002	10:56 am

VEHICLE	ROLL OFF
LOVE R99	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 65,760.00 LB
Stored Tare Weight 30,460.00 LB
Net Weight 35,300.00 LB 17.65 TN

QUANTITY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.65	TN	13	CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164203

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

DN 3265

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: DNR Lovk
ADDRESS: 25573 Soto Rd
CITY, STATE, ZIP: Hayward CA 94544
PHONE: W/R
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B43327	R-99

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164203

FORWARD INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	141167	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
19 August 2002	11:25 am

DATE OUT	TIME OUT
19 August 2002	11:25 am

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 72,900.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 42,580.00 LB 21.29 TN

QUANTITY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.29	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164202

DRIVER'S SIGNATURE Ron V Hoor

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AW 3266

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
Peter Stroganoff

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 8/6/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Bernard Jenkins Trucking

ADDRESS 1650 Innes Ave

CITY, STATE, ZIP San Francisco CA

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 8/6/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[redacted]	[redacted] K-137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	141168	

WEIGHMASTER: CHRISTINA

DATE IN	TIME IN
19 August 2002	11:23 am

DATE OUT	TIME OUT
19 August 2002	11:23 am

VEHICLE	BOLLOFF
JENKINS 94	

NET TENDER	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 75,920.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 42,620.00 LB 21.31 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TOTAL
21.31	TN	13 CONSTRUCTION DEBRIS			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164201

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AW 3267

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/6/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS: 1650 [illegible]
CITY, STATE, ZIP: S.F. Ca.
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 6 Aug 02

NOTES:
VEHICLE LICENSE NUMBER: [illegible]
TRUCK NUMBER: [illegible] B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/19/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 104201

FORWARD
INCORPORATED

)9 South Austin Road, WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128345	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
9 August 2002	6:42 am

DATE OUT	TIME OUT
9 August 2002	6:42 am

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 61,780.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 31,460.00 LB 15.73 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.73	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ›n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164200

DRIVER'S SIGNATURE Ron V Hook

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST SN 3268

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 8/6/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER ~~[illegible]~~ / VAN HOOK
ADDRESS ~~[illegible]~~ / 3850 MEERS
CITY, STATE, ZIP ~~S.C. Ca~~ / FREMONT CA 94538
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 8/6/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C12082	R137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8-9-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164200

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	140705	

WEIGHMASTER	
MARIA D	
DATE IN	TIME IN
16 August 2002	2:40 pm
DATE OUT	TIME OUT
16 August 2002	2:40 pm
VEHICLE	ROLL OFF
HANHOOK137	
REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 68,900.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 38,580.00 LB 19.29 TN

NET	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.29	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164199

DRIVER'S SIGNATURE Ron V Hook

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3269

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] 8/6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER [illegible]
ADDRESS 1650 [illegible]
CITY, STATE, ZIP S.F. Ca 94124
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 6 Aug 02

NOTES: VEHICLE LICENSE NUMBER [illegible] | TRUCK NUMBER R-137 [illegible]

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] 8.16.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 104100

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127468	

WEIGHMASTER: NANCY

DATE IN	TIME IN
6 August 2002	2:39 pm

DATE OUT	TIME OUT
6 August 2002	2:39 pm

VEHICLE: AVOCA A101

REEL OFF:

REFERENCE:

ORIGIN: SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 67,100.00 LB
Stored Tare Weight 33,920.00 LB
Net Weight 33,180.00 LB 16.59 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.59	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #164198

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE Robert Johnson

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3270

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE: 6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: AVOCA
ADDRESS: Hunter point Ship yard
CITY, STATE, ZIP: SF Ca,
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Robert John
DATE: 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A-101

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 8-6-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☒ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164198

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	080779	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
15 August 2002	6:37 am

DATE OUT	TIME OUT
15 August 2002	6:37 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 82,620.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 49,320.00 LB 24.66 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.66	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST # 164197

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3271

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER [illegible]
ADDRESS 1660 Dennis
S.F. Ca. 94107
CITY, STATE, ZIP
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8-15-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164197

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127478	

WEIGHMASTER	
NANCY	
DATE IN	TIME IN
6 August 2002	2:50 pm
DATE OUT	TIME OUT
6 August 2002	2:50 pm
VEHICLE	PULL OFF
FORDS 156	
REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 57,700.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 26,620.00 LB 13.31 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.31	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164196

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AW 3272

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE: 6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's Trucking
ADDRESS: 400 MOCKINGBIRD LN
CITY, STATE, ZIP: OAKLEY CA 94561
PHONE: 925 625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 8.6.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164196

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127516	

WEIGHMASTER	
NANCY	

DATE IN	TIME IN
6 August 2002	3:45 pm

DATE OUT	TIME OUT
6 August 2002	3:45 pm

VEHICLE	REGI OFF
LARRY 528	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 61,140.00 LB
Stored Tare Weight 29,320.00 LB
Net Weight 31,820.00 LB 15.91 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.91	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164195

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3273

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] — DATE: 6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS: 563 Page St.
CITY, STATE, ZIP: San Francisco
PHONE: 415 8635030
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] — DATE: 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A31214	~~R 99~~ SN 528

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] — DATE: 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164195

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127522	

WEIGHMASTER: NANCY

DATE IN	TIME IN
6 August 2002	3:54 pm

DATE OUT	TIME OUT
6 August 2002	3:54 pm

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 56,640.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 21,700.00 LB 10.85 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.85	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164194

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3274

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: P.O. BOX 31686
CITY, STATE, ZIP: OAKLAND, CA. 94604
PHONE: 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 6 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164194

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127537	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
6 August 2002	4:23 pm

DATE OUT	TIME OUT
6 August 2002	4:23 pm

VEHICLE	ROLL OFF
MARTINEZ 1	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 53,740.00 LB
Tare Weight 31,280.00 LB
Net Weight 22,460.00 LB 11.23 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.23	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164193

DRIVER'S SIGNATURE Jose L Salas

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3275

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for Navy
DATE: 6 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

TRANSPORTER: [illegible]
ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: 510 238-6925
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 6 Aug 02

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 8/6/02

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C29809	M-1

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

Ticket # 164193

IEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE
REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDU

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ıource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
	01 127676	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
7 August 2002	9:36 am

DATE OUT	TIME OUT
7 August 2002	9:36 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 65,480.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 34,400.00 LB 17.20 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.20	TN	13	CONSTRUCTION DEBRIS				

'EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business nd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164192

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3276

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's Trucking
ADDRESS: 400 Mockingbird Ln
CITY, STATE, ZIP: Oakley, CA. 94561
PHONE: 925 625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164192

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127719	

WEIGHMASTER: NANCY

DATE IN	TIME IN
7 August 2002	10:38 am

DATE OUT	TIME OUT
7 August 2002	10:38 am

VEHICLE	TOLL OFF
MARSH 419	

REFERENCE NO.	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 63,300.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 28,360.00 LB 14.18 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.18	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164191

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3277

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER MARSHALL TRUCKING
ADDRESS P.O. BOX 31686
CITY, STATE, ZIP OAKLAND, CA. 94604
PHONE 510-719-9864
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9883144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNS
TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH TI

164191

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127730	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
7 August 2002	10:49 am

DATE OUT	TIME OUT
7 August 2002	10:49 am

VEHICLE	ROLL OFF
LARRY 528	

REFERENCE #	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 57,680.00 LB
Stored Tare Weight 29,320.00 LB
Net Weight 28,360.00 LB 14.18 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.18	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164190

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3278

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 of title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER LARRY WILLIAMS
ADDRESS 565 PAGE ST
CITY, STATE, ZIP SAN FRANCISCO 94117
PHONE 863503 0
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A31214	528

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164190

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127760	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
7 August 2002	10:55 am

DATE OUT	TIME OUT
7 August 2002	11:18 am

CHARGE TO	ROLL OFF
ERIN 405	

REFERENCE #	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 52,660.00 LB
Tare Weight 32,020.00 LB
Net Weight 20,640.00 LB 10.32 TN

10.32	TN	13	CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164189

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3279

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER ERIN TRUCKING
ADDRESS 789 SANTIAGO ST
CITY, STATE, ZIP SANFRANCISCO CA. 94122
PHONE 415 7167988
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39735	405

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 161189

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127957	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
8 August 2002	6:11 am

DATE OUT	TIME OUT
8 August 2002	6:11 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 57,940.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 24,640.00 LB 12.32 TN

QUANTITY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.32	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164188

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3280

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bernard Jenkins Trucking
ADDRESS: 1650 Dunns SF CA 94124
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/8

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164188

LANDFILL COPY

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127774	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
7 August 2002	11:28 am

DATE OUT	TIME OUT
7 August 2002	11:40 am

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 51,160.00 LB
Tare Weight 30,320.00 LB
Net Weight 20,840.00 LB 10.42 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.42	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164187

DRIVER'S SIGNATURE Ron V Hook

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

3281 AN ~~3280~~

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: RONALD VAN HOOK
ADDRESS: 3850 MEEKS TERRACE
CITY, STATE, ZIP: FREMONT CA 94538
PHONE: 510 6570754 HM 3773033 Cell
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C12082	R-137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-7-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164187

FORWARD
INCORPORATED

'99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
:source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
	01 127764	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
7 August 2002	11:26 am

DATE OUT	TIME OUT
7 August 2002	11:26 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 65,320.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 32,020.00 LB 16.01 TN

Inbound - SCALE TICKET

QUANTITY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.01	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164186

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 32

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bernard Jenkins
ADDRESS: 1660 Innes S.F. CA 94124
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/7/02

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164186

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127791	

WEIGHMASTER: NANCY

DATE IN	TIME IN
7 August 2002	11:42 am

DATE OUT	TIME OUT
7 August 2002	12:09 pm

VEHICLE	ROLL OFF
ERIN 1279	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 55,640.00 LB
Tare Weight 31,440.00 LB
Net Weight 24,200.00 LB 12.10 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.10	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #164185

DRIVER'S SIGNATURE J. Buckley

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3283

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* for McKay | 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER ERIN TRUCKING
ADDRESS 839 SANTIAGO ST.
CITY, STATE, ZIP S.F. CA. 94116
PHONE 415-716-1989
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C45111	1379

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* | 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 164185

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127886	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
7 August 2002	2:34 pm

DATE OUT	TIME OUT
7 August 2002	2:34 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 60,100.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 29,020.00 LB 14.51 TN

QUANTITY	UNIT	MATERIAL NO.	MATERIAL DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.51	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #1644184

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3284

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's Trucking
ADDRESS: 400 Mockingbird Ln
CITY, STATE, ZIP: Oakley, CA. 94561
PHONE: 925-625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 164194

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127935	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
7 August 2002	4:24 pm

DATE OUT	TIME OUT
7 August 2002	4:24 pm

VEHICLE	ROLL OFF
ERIN 405	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 53,600.00 LB
Tare Weight 32,020.00 LB
Net Weight 21,580.00 LB 10.79 TN

Inbound - SCALE TICKET

	AMOUNT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.79	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162154

DRIVER'S SIGNATURE DMC

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3299

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAMA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ERIN TRUCKING
ADDRESS: 789 SANTIAGO ST
CITY, STATE, ZIP: SAN FRANCISCO, CA 94122
PHONE: 415 7167988
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39735	405

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/7/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162154

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127960	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
8 August 2002	6:17 am

DATE OUT	TIME OUT
8 August 2002	6:17 am

VEHICLE	ROLL OFF
LARRY 528	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 55,740.00 LB
Stored Tare Weight 29,320.00 LB
Net Weight 26,420.00 LB 13.21 TN

Inbound - SCALE TICKET

QTY	POUNDS	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.21	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162155

DRIVER'S SIGNATURE Larry D Williams

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3300

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE MAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Tony D Williams
ADDRESS: 565 Rayo St
CITY, STATE, ZIP: San Francisco
PHONE: 8635030
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A31214	528

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-1-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162155

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127986	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
8 August 2002	7:06 am

DATE OUT	TIME OUT
8 August 2002	7:06 am

VEHICLE	ROLL OFF
MARSH 419	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 59,880.00 LB
Stored Tare Weight 34,940.00 LB
Net Weight 24,940.00 LB 12.47 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.47	TN	13 CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162156

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3301

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAMA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: MARSHALL TRUCKING
ADDRESS: P.O. BOX 31686
CITY, STATE, ZIP: OAKLAND, CA. 94604
PHONE: 510-719-9868
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B83144	419

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/8

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162156

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
unteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
	01 127947	
WEIGHMASTER		
MARIA D		
DATE IN		TIME IN
7 August 2002		4:59 pm
DATE OUT		TIME OUT
7 August 2002		4:59 pm
VEHICLE		ROLL OFF
JENKINS 94		
REFERENCE		ORIGIN
		SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 62,320.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 29,020.00 LB 14.51 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.51	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162157

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3302

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* 8/7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Bernard Trucking
ADDRESS 1658 Innes
CITY, STATE, ZIP SF CA. 94124
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 8/7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162157

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	127948	

WEIGHMASTER: NANCY

DATE IN	TIME IN
7 August 2002	5:02 pm

DATE OUT	TIME OUT
7 August 2002	5:02 pm

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 55,500.00 LB
Tare Weight 30,320.00 LB
Net Weight 25,180.00 LB 12.59 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	RATE CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.59	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162158

DRIVER'S SIGNATURE Ron V Hook

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3303

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Peter Stroganoff STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 7 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: RONALD VAN MOOK
ADDRESS: 3850 MEEKS TERRACE
CITY, STATE, ZIP: FREMONT CA 94538
PHONE: 510 CELL 657-0754 HM 277-3033
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
2C12082	R-137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162158

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128075	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 August 2002	9:45 am

DATE OUT	TIME OUT
8 August 2002	9:45 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100

Gross Weight 59,700.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 28,620.00 LB 14.31 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.31	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162159

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3304

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 8 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Ford's Trucking
ADDRESS 400 Mockingbird Ct
CITY, STATE, ZIP Oakley CA. 94561
PHONE 925 625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 8 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8/8/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162159

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128083	

WEIGHMASTER: NANCY

DATE IN	TIME IN
8 August 2002	10:00 am

DATE OUT	TIME OUT
8 August 2002	10:00 am

VEHICLE	ROLL OFF
AVOC A101	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 66,820.00 LB
Stored Tare Weight 33,800.00 LB
Net Weight 33,020.00 LB 16.51 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	CODE	DESCRIPTION	UNIT PRICE	EXTENSION	TAX	TOTAL
16.51	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162160

DRIVER'S SIGNATURE Robert John

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3305

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: AVOCA
ADDRESS: Hunter' point ship yard
CITY, STATE, ZIP:
PHONE: (415) 822-0755
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A 101

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-8-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162160

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128097	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 August 2002	10:16 am

DATE OUT	TIME OUT
8 August 2002	10:16 am

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 52,800.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 22,480.00 LB 11.24 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.24	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162161

DRIVER'S SIGNATURE Ron V Hook

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3306

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAHLA

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* 8 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER RONALD VAN HOOK

ADDRESS 3850 MEEKS TERRACE

CITY, STATE, ZIP FREMONT CA 94538

PHONE 510 H.M. 6570754 CELL 3772033

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Ron V Hook 8 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C12082	R 137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162161

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128143	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 August 2002	10:56 am

DATE OUT	TIME OUT
8 August 2002	11:15 am

VEHICLE	ROLL OFF
HARMON H43	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 51,300.00 LB
Tare Weight 29,900.00 LB
Net Weight 21,400.00 LB 10.70 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.70	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162162

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN3307

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/8/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: HARMON trucking
ADDRESS: 650 Shields
CITY, STATE, ZIP: San Francisco Ca 94132
PHONE: (415) 333 4961
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8-8-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A96010	H43

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-9-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162162

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE #	TICKET	GRID
01	140716	

WEIGHMASTER: NANCY

DATE IN	TIME IN
16 August 2002	2:52 pm

DATE OUT	TIME OUT
16 August 2002	2:52 pm

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 82,080.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 48,780.00 LB 24.39 TN

QTY	UNIT	DESCRIPTION	DATE	EXTENSION	TAX	TOTAL
24.39	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162163

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3308

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE MAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/8/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bernal
ADDRESS: 1600 Innes S.E.
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8/8/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/16/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 1 0 2 1 0 2

FORWARD
INCORPORATED

)9 South Austin Road WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128200	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 August 2002	12:49 pm

DATE OUT	TIME OUT
8 August 2002	12:49 pm

VEHICLE	ROLL OFF
LARRY 528	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 59,260.00 LB
Stored Tare Weight 29,320.00 LB
Net Weight 29,940.00 LB 14.97 TN

	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.97	TN	13	CONSTRUCTION DEBRIS				

VEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is ›n this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ınd Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162164

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3309

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEPHEN TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/8/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Tony D Williams
ADDRESS: 565 Page St
CITY, STATE, ZIP: San Francisco
PHONE: 863-5050
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8/8/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A 31214	528

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-8-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162164

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128233	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 August 2002	1:37 pm

DATE OUT	TIME OUT
8 August 2002	1:53 pm

VEHICLE	ROLL OFF
BABA 90	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 59,420.00 LB
Stored Tare Weight 33,340.00 LB
Net Weight 26,080.00 LB 13.04 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.04	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162165

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3310

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/8/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: BAYA BUTOOA JI CARRIER
ADDRESS: 340 RIO VERDE PLAZ
CITY, STATE, ZIP: MILPITAS, CA, 95035
PHONE: 408-592-8425
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8/8/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B37197	90

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/8/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162165

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128270	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 August 2002	3:02 pm

DATE OUT	TIME OUT
8 August 2002	3:02 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 64,700.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 33,620.00 LB 16.81 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.81	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162166

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3311

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAWA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 8/8/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's TRUCKING
ADDRESS: 400 MOCKINGBIRD CT
CITY, STATE, ZIP: OAKLEY CA. 94561
PHONE: 925 625 5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8-8-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/8/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162166

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128307	

WEIGHMASTER: NANCY

DATE IN	TIME IN
8 August 2002	4:14 pm

DATE OUT	TIME OUT
8 August 2002	4:14 pm

VEHICLE	ROLLOFF
AVOC A101	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 67,440.00 LB
Stored Tare Weight 33,800.00 LB
Net Weight 33,640.00 LB 16.82 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.82	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162167

DRIVER'S SIGNATURE Robert Johnson

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3312

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Stropanoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* 8 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Avoca
ADDRESS Hunter's point Ship yard
CITY, STATE, ZIP SF CA 94124
PHONE (415) 822-0755
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Robert John 8 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A-101

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* 8/8/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162167

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
.ndfill: (209) 982-4298 / WEIGHING LOCATION
:source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128313	

WEIGHMASTER: NANCY

DATE IN	TIME IN
8 August 2002	4:38 pm
DATE OUT	**TIME OUT**
8 August 2002	4:38 pm

VEHICLE	ROLLOFF
HARMON H43	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 57,800.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 27,900.00 LB 13.95 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.95	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162168

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3313

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAMA

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* 8 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER HARMON TRUCKING

ADDRESS 650 Shields St

CITY, STATE, ZIP SAN FRANCISCO CA 94132

PHONE (415) 333 4961

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Bill Harmon 8 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A96010	443

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 8/8/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY MANIFEST # 162168

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128509	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
9 August 2002	10:59 am

DATE OUT	TIME OUT
9 August 2002	10:59 am

VEHICLE	ROLL OFF
LARRY 528	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 62,240.00 LB
Stored Tare Weight 29,320.00 LB
Net Weight 32,920.00 LB 16.46 TN

	AGENT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.46	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162169

DRIVER'S SIGNATURE Tony D Williams

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3314

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Rory D Williams
ADDRESS 565 Page St
CITY, STATE, ZIP San Francisco
PHONE 863 5030
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Rory D Williams | 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A31214	528

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8-9-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☒ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162169

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128511	

WEIGHMASTER: NANCY

DATE IN	TIME IN
9 August 2002	10:59 am

DATE OUT	TIME OUT
9 August 2002	10:59 am

VEHICLE	ROLL OFF
AVOC A101	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Gross Weight 72,280.00 LB
Stored Tare Weight 33,800.00 LB
Net Weight 38,480.00 LB 19.24 TN

Inbound - SCALE TICKET

QTY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.24	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162170

DRIVER'S SIGNATURE Robert Sahm

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3315

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAMA

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
AVOCA

ADDRESS Hunter point Ship yard

CITY, STATE, ZIP SF CA

PHONE (415) 822-0755

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B39600	A101

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8/9/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 160170

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128490	

WEIGHMASTER: NANCY

DATE IN	TIME IN
9 August 2002	10:13 am

DATE OUT	TIME OUT
9 August 2002	10:31 am

VEHICLE	ROLL OFF
D & W 97	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

00 Gross Weight 74,980.00 LB
Tare Weight 34,340.00 LB
Net Weight 40,640.00 LB 20.32 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.32	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162171

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3316

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D&W
ADDRESS: 28 68 Bush
CITY, STATE, ZIP: S.F. CA 94115
PHONE: ~~[illegible]~~ 508 0204
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * G. Drake
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B84893	D-97

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/9/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 169171

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128513	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
9 August 2002	11:02 am

DATE OUT	TIME OUT
9 August 2002	11:02 am

VEHICLE	ROLL OFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 63,380.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 32,080.00 LB 16.04 TN

QUANTITY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.04	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162172

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 8317

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D&W Trucking
ADDRESS: 868 Bach St.
CITY, STATE, ZIP: S. F. CA. 94115
PHONE: 346-7177
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A03250	B-84

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-9-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162172

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128629	

WEIGHMASTER: NANCY

DATE IN	TIME IN
9 August 2002	2:41 pm

DATE OUT	TIME OUT
9 August 2002	2:41 pm

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 71,700.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 38,400.00 LB 19.20 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.20	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162173

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3318

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Stroganoff~~ STEVE MAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] | 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER [illegible]
ADDRESS 1650 [illegible]
CITY, STATE, ZIP San Francisco Ca
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C31471	B-14

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 8.9.02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162173

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	140159	

WEIGHMASTER: MARIA D

DATE IN: 15 August 2002 TIME IN: 1:47 pm

DATE OUT: 15 August 2002 TIME OUT: 1:47 pm

VEHICLE: JENKINS 94 ROLL OFF:

REFERENCE: ORIGIN: SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 63,180.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 29,880.00 LB 14.94 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.94	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162174

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3319

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bennett
ADDRESS: 1650 Dixon
CITY, STATE, ZIP: SF Ca 94124
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/5/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162174

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128516	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
9 August 2002	11:06 am

DATE OUT	TIME OUT
9 August 2002	11:06 am

VEHICLE	ROLL OFF
HARMON H43	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 59,500.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 29,600.00 LB 14.80 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.80	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162175

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3320

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: HARMON trucking
ADDRESS: 650 Shields St
CITY, STATE, ZIP: SAN FRANCISCO CA 94134
PHONE: (415) 335-4961
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A96010	H-48

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8-9-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162175

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128835	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
12 August 2002	6:09 am

DATE OUT	TIME OUT
12 August 2002	6:09 am

VEHICLE	ROLL-OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 64,100.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 30,800.00 LB 15.40 TN

						TOTAL
15.40	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162176

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3321

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Bennett
ADDRESS: 1650 Dennet
CITY, STATE, ZIP: SF Ca
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/10/

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162176

FORWARD
INCORPORATED

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128828	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
10 August 2002	1:52 pm

DATE OUT	TIME OUT
10 August 2002	1:52 pm

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

Gross Weight 71,740.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 38,440.00 LB 19.22 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.22	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162177

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3322

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS: 1650 Innes SF 94124
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/10/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 162177

LANDFILL COPY

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128714	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
10 August 2002	8:02 am

DATE OUT	TIME OUT
10 August 2002	8:02 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 65,340.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 32,040.00 LB 16.02 TN

QUANTITY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.02	TN	13	CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162178

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3323

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS: 1650 [illegible]
CITY, STATE, ZIP: [illegible]
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79048	B-94

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/6/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162178

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	140825	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
17 August 2002	7:25 am

DATE OUT	TIME OUT
17 August 2002	7:25 am

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 79,600.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 49,280.00 LB 24.64 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.64	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162179

DRIVER'S SIGNATURE Ron V Hor

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3324

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
~~Peter Stroganoff~~ STEVE MAHLA

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER RONALD VAN HOOK
ADDRESS 3050 PEEKS TERRACE
CITY, STATE, ZIP FREMONT CA 94539
PHONE 510 6570224 HM 373 3033
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Ron V Hook 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C12082	R-137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 8/17/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162179

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	140826	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
17 August 2002	7:27 am

DATE OUT	TIME OUT
17 August 2002	7:27 am

VEHICLE	ROLL OFF
JENKINS 94	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 80,780.00 LB
Stored Tare Weight 33,300.00 LB
Net Weight 47,480.00 LB 23.74 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.74	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #162180

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3325

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Strogmoff~~ STEPHEN F. TYALL
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ronald Van Hooks
ADDRESS: 3850 Weeks Terrace
CITY, STATE, ZIP: Fremont Ca. 94538
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Ron Van Hooks
DATE: 9 Aug 02

NOTES:
VEHICLE LICENSE NUMBER: 9C12082
TRUCK NUMBER: R137

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/12/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162180

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	128650	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
9 August 2002	3:24 pm

DATE OUT	TIME OUT
9 August 2002	3:24 pm

VEHICLE	ROLL OFF
VANHOOK137	

REFERENCE	ORIGIN
	SAN FRANCISCO

002168
INNOVATIVE TECHNICAL SOLUTIONONS
TEJ SINGH - PO#011170324
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2168#

Inbound - SCALE TICKET

00 Gross Weight 60,580.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 30,260.00 LB 15.13 TN

	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.13	TN	13 CONSTRUCTION DEBRIS				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #162181

DRIVER'S SIGNATURE Ron Vhook

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3326

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ STEVEN G. TYRRA
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Aug 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2168

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: RONALD VAN HOOK
ADDRESS: 3850 MEEKS TER
CITY, STATE, ZIP: FREMONT CA 94538
PHONE: 510 657-0584 ; 511 377-5033
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * RON V HOOK
DATE: 9 Aug 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C12082	R-137

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/9/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 162181

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

NTRACT NO	TITLE AND LOCATION	DATE	29/07/02
N68711-01-D-6110-0002	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**	REPORT NO	CPR-16
CONTRACTOR: Innovative Technical Solutions Inc.		SUPERINTENDENT: Barry Hall	
AM WEATHER: Clear	PM WEATHER: Clear	MAX TEMP (F): 65	MIN TEMP (F): 55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE. THIS DATE. INCL CON'T SHEETS: 64
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1,562
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1,626

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET
	No actions taken today	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT — DATE: 8-6-02

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N68711-01-D-6110-0002	TITLE AND LOCATION: Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	DATE: 30/07/02
		REPORT NO: CPR-17
CONTRACTOR: Innovative Technical Solutions Inc.	SUPERINTENDENT: Barry Hall	
AM WEATHER: Clear	PM WEATHER: Clear	MAX TEMP (F): 65 / MIN TEMP (F): 55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE. THIS DATE. INCL CON'T SHEETS	64
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,626
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,690

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT 8.6.02 DATE

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
N68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	31/07/02
		REPORT NO CPR-18

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation				
		ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	[redacted]
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	[redacted]

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CON'T SHEETS	56
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,690
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,746

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS
	All PVC materials including piping, valves, and fittings were shipped back to the vender by D&D Transportation.

CONTRACTOR/SUPERINTENDENT

8-14-02
DATE

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
V68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	1/08/02
		REPORT NO CPR-19

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CON'T SHEETS: 56
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1,746
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1,802

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET
	No actions taken today	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted] Water Truck - C-7 500	

Schedule Activity No.	REMARKS
	All PVC materials including piping, valves, and fittings were shipped back to the vender by D&D Transportation.

CONTRACTOR/SUPERINTENDENT

DATE 8-14-02

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
N68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	2/08/02
		REPORT NO CPR-20

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	[redacted]
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	[redacted]

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE THIS DATE, INCL CON'T SHEETS: 56
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1,802
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1,858

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS
	All PVC materials including piping, valves, and fittings were shipped back to the vender by D&D Transportation.

CONTRACTOR/SUPERINTENDENT

DATE 2-14-02

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
N68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	5/08/02
		REPORT NO CPR-21

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation				
		ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner Dennis Hill	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE. THIS DATE. INCL CON'T SHEETS	72
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,858
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,930

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT

DATE 8-14-02

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N68711-01-D-6110-0002	TITLE AND LOCATION: Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	DATE: 6/08/02
CONTRACTOR: Innovative Technical Solutions Inc.	SUPERINTENDENT: Barry Hall	REPORT NO: CPR-22
AM WEATHER: Clear	PM WEATHER: Clear	MAX TEMP (F): 65 / MIN TEMP (F): 55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner Dennis Hill	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,930
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,998

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MO Power Gen. - MO Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT: [signature] DATE: 6-14-02

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
N68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	7/08/02
		REPORT NO CPR-23

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation				
		ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CON'T SHEETS
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT 1.998
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION 2.079

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT 8-14-02 DATE

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
N68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	8/08/02
		REPORT NO CPR-24

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	[redacted]
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	[redacted]
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	[redacted]

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CONT SHEETS: [redacted]
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 2,079
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 2,159

Schedule Activity No	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	2,000 gallon Water Truck-[redacted]-500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT 8/14/02 DATE

4296/1 (9/98)

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	TITLE AND LOCATION	DATE
N68711-01-D-6110-0002	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21	9/08/02
		REPORT NO CPR-25

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CON'T SHEETS
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT 2,159
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION 2,231

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No actions taken today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MO Power Gen. - MO Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	[redacted]	
1	Hertz	[redacted]	
1	Hertz	[redacted]	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT

8-14-02
DATE

4296/1 (9/98)

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 (Tel), (925) 256-8998 (Fax)

DAILY ACTIVITY REPORT

PROJECT NAME: Hunters Point
PROJECT NUMBER: 01-117.03
SITE LOCATION: OU SF footing wells

DATE: 8/12/2002
PAGE 1 OF 2

DESCRIPTION OF FIELD ACTIVITIES AND EVENTS

0700 Safety meeting.
0715 Go to 116SF, set up at EX-9.
0730 Go to Praxair and purchase 10 lbs of dry ice
0750 Start EX-9
0805 OVM & Gastech used gas while drilling EX-9
0920 Complete EX-9, move to EX-8
0935 Start EX-8 15% O2
0955 Start constructing EX-8. The gastech read 20% LEL in borehole after adding dry ice.
1030 Finish EX-8, go to EX-9 and build well ~~copy~~ completions.
1050 Go to IR01MW07A (Steve Van De Veld is arranging access to EX-8).
1100 Check inside well IR01MW07A PVC casing for vapors. The Gastech reads a maximum 60% LEL, then dropped to <10% LEL. The FID didn't read any LEL. Add dry ice to purge well MW-7 of vapor, then check well depth, confirm that well MW-7 is 22' deep.
1130 Drill out well IR01MW07A to approximately 8', then the rig began leaking hydraulic oil. Shut down the drill rig.
1145 The driller (Chris St Claire) says that he can't repair the leak, Chris called the Gregg drilling office. Gregg will send a B-53 drill rig to the site today along with a mechanic to fix this drill rig.
1230 Lunch while drill crew repairs the B-53 drill rig
1325 The B-53 is repaired, go to IR01MW07A.
1350 Check the abandonment hole (open to ≈8'), Gastech reads 0 LEL, 20.9% O2
1355 Resume abandonment of IR01MW07A.

PREPARED BY: Robert L. Nelson DATE: 8/12/2002

PREPARER'S SIGNATURE: Robert L. Nelson

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 (Tel), (925) 256-8998 (Fax)

DAILY ACTIVITY REPORT

PROJECT NAME: Hunters Point
PROJECT NUMBER: 01-117-03
SITE LOCATION: UCSF site

DATE: 8/12/2002
PAGE 2 OF 2

DESCRIPTION OF FIELD ACTIVITIES AND EVENTS

1403 Finish drilling out IR01MW07A to 23' (1' past bottom of well at 22' bgs). Mix grout
1412 Grout well IR01MW07A through the ~~to~~ 12" augers
1430 Finish abandonment of well IR01MW07A, move to EX-10
1500 Start EX-10
1515 Abandon first attempt at EX-10 at 5.5' in heavy rock and gravel
1520 Restart EX-10
1635 Finish the installation of well EX-10.
1700 At field office, submit paperwork.

PREPARED BY: Robert L. Nelson
DATE: 8/12/2002
PREPARER'S SIGNATURE: Robert L. Nelson

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 (Tel), (925) 256-8998 (Fax)

DAILY ACTIVITY REPORT

PROJECT NAME: Heartshare
PROJECT NUMBER: 01-117-03
SITE LOCATION: UCSF facility

DATE: 8/9/2002
PAGE 1 OF 1

DESCRIPTION OF FIELD ACTIVITIES AND EVENTS

0700 attend Safety meeting. The Geoprobe drilling crew consists of Chris St. Clair and Paul
0715 Go to well EX-6 location. The instruments were calibrated by
0740 Start EX-6
0850 Start EX-5
0920 Start EX-7
0955 Finish EX-7, dump soil drums, set well box
1200 lunch
1230 Crew set well boxes at EX-1, EX-2, EX-3
1500 leave site

PREPARED BY: Robert L. Nolan
DATE: 8/9/2002
PREPARER'S SIGNATURE: Robert L. Nolan

MONITORING LOG

Project Name Hunters Point – Parcel F Landfill Gas Removal

Date 8/9/2002

Project No. 01-117-03 Logged by Bob Nelson

Page 1 of 1

Weather Clear, Warm

Instrument Types Thermo 580 E7 PID; Industrial Scientific MG-140 CGI; Gastech GT-402 CGI; Victoreen 190 w/480-110D probe

Calibration Standards PID: 100 ppm isobutylene; CGIs: 50% LEL methane/50 ppm CO/25 ppm H_2S; Rad: factory calibrated 10/25/01

Time	Location	Instrument Readings, (Units)					PPE Used	Activities, Remarks
		Rad (uR/Hr)	PID (ppm)	CGI (%LEL)	CO (ppm)	H_2S (ppm)		
730	well EX-6							Prior to drilling
800	well EX-6		0	0			D	while drilling
855	well EX-5		0	0			D	while drilling
920	well EX-7		0	0			D	while drilling
940	EX-7		0	100			D	dry ice added to well
955	EX-7		0	~10			D	after adding dry ice

REMIT PAYMENT TO:
ALLIED CONCRETE
696 AMADOR STREET
SAN FRANCISCO, CA 94124
PHONE 415-282-8117
FAX 415-255-8770

ALLIED CONCRETE READY MIX

INVOICE DATE _____

INVOICE # _____

VISA _____ M/C _____

DRIVER'S SIGNATURE	TRK #	COLLECTED CHECK #
		COLLECTED CASH

SOLD TO:	DELIVERY ADDRESS:

PURCHASE ORDER #	TERMS:	DUE AT JOB:

WEIGHMASTER CERTIFICATE: This is to certify that the described item above was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 112700) of Division 5 of the California Business and Professionals Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

By _____ Measured at _____

Allied Concrete Ready Mix Weighmaster

SPECIAL INSTRUCTIONS PUMP CO. _____

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY THIS LOAD	UNIT PRICE	EXTENDED PRICE
		/YARDS.		
			SUB TOTAL	
			TAX	

BATCH	ARRIVED	TIME START	START JOB	TIME ENDED	TOTAL TIME	FREE TIME	STANDBY

CONCRETE RETURNED OVER 1 YARD

$20 PER YARD + tax

PUMP WASHOUT $30 + tax

TOTAL

018323

TERMS AND CONDITIONS: In the event that payment has been refused on the grounds that there is alleged to have been a defect or deficiency in the materials provided, or in any other case in which it is asserted that other damages have been caused by any act or omission on the part of *Allied Concrete Ready Mix* including without limitation breach of contract, breach of warranty, or negligence it is agreed that *Allied Concrete Ready Mix* may elect in its sole discretion to refer the matter to binding arbitration to be conducted by, and according to the rules and procedures of, the American Arbitration Association. In the case of such arbitration, it shall be held in the City and County of San Francisco; the prevailing party shall be entitled to recover its attorney's fees and costs: and the nonprevailing party shall bear the cost of arbitration. *Allied* is not responsible for cracks or for color variation in colored or regular concrete.

Title to this material conveyed when loaded at point of origin; By accepting delivery you agree to the following: All orders are for street curb delivery. You will assume all responsibility for all damages where delivery is made inside the curb; A clean out area must be provided and you will assume responsibility for cleaning streets. All COD orders cash only unless prior verification of check: a service charge of 1 & 1/2% per month will be charged on all past due balances; there is a $35.00 service charge on all returned checks; 1 & 1/2% charge for credit card payments; No refunds are permitted; Attorney fees to be allowed in the event of any legal proceedings arising out of a breech of this agreement; Please read mechanic's lien law and warning on back of this invoice.

SLUMP	WATER ADDED

STAND BY TIME CONDITIONS
4 Minutes per yard; $1 per minute thereafter
$2 per minute after 1 hr and after 5 PM

RECEIVED BY _____

PRINT NAME _____

PREVIOUS BALANCE: _____

Reorder From NEBS CUSTOM™ printing service 1-800-888-6327 NEBS, Inc. Peterborough, NH 03458 www.nebs.com

Ref. No. G 17

REMIT PAYMENT TO:
ALLIED CONCRETE
696 AMADOR STREET
SAN FRANCISCO, CA 94124
PHONE 415-282-8117
FAX 415-255-8770

ALLIED CONCRETE READY MIX

INVOICE DATE _____
INVOICE # _____
VISA _____ M/C _____

DRIVER'S SIGNATURE	TRK #	COLLECTED CHECK #
Armando	17	COLLECTED CASH

SOLD TO:	DELIVERY ADDRESS:
Turnkey Const	
PURCHASE ORDER #	TERMS: Visa MC or Check / DUE AT JOB: 900

WEIGHMASTER CERTIFICATE: This is to certify that the described item above was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 112700) of Division 5 of the California Business and Professionals Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

By _____ Measured at Dore Grant S.F.
Allied Concrete Ready Mix Weighmaster

SPECIAL INSTRUCTIONS PUMP CO. TAIL

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY THIS LOAD	UNIT PRICE	EXTENDED PRICE
5313	3500 psi 3/4	9 /YARDS.		
			TAX	
			SUB TOTAL	
			TAX	

BATCH	ARRIVED	TIME START	START JOB	TIME ENDED	TOTAL TIME	FREE TIME	STANDBY
845	9:10	9:35		10:15	40	36 min	0

CONCRETE RETURNED OVER 1 YARD	$20 PER YARD + tax
	0
	PUMP WASHOUT $30 + tax: 0
	TOTAL

TERMS AND CONDITIONS: In the event that payment has been refused on the grounds that there is alleged to have been a defect or deficiency in the materials provided, or in any other case in which it is asserted that other damages have been caused by any act or omission on the part of ***Allied Concrete Ready Mix*** including without limitation breach of contract, breach of warranty, or negligence it is agreed that ***Allied Concrete Ready Mix*** may elect in its sole discretion to refer the matter to binding arbitration to be conducted by, and according to the rules and procedures of, the American Arbitration Association. In the case of such arbitration, it shall be held in the City and County of San Francisco; the prevailing party shall be entitled to recover its attorney's fees and costs: and the nonprevailing party shall bear the cost of arbitration. ***Allied*** is not responsible for cracks or for color variation in colored or regular concrete.

Title to this material conveyed when loaded at point of origin; By accepting delivery you agree to the following: All orders are for street curb delivery. You will assume all responsibility for all damages where delivery is made inside the curb; A clean out area must be provided and you will assume responsibility for cleaning streets. All COD orders cash only unless prior verification of check: a service charge of 1 & 1/2% per month will be charged on all past due balances; there is a $35.00 service charge on all returned checks; 1 & 1/2% charge for credit card payments; No refunds are permitted; Attorney fees to be allowed in the event of any legal proceedings arising out of a breech of this agreement; Please read mechanic's lien law and warning on back of this invoice.

SLUMP	WATER ADDED
3 1/2	

STAND BY TIME CONDITIONS
4 Minutes per yard; $1 per minute thereafter
$2 per minute after 1 hr and after 5 PM

RECEIVED BY _____
PRINT NAME _____
PREVIOUS BALANCE: _____

Reorder From: NEBS CUST@M "printing service 1-800-888-6327 NEBS, Inc. Peterborough, NH 03458 www.nebs.com

Ref No. 0

SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

www.smithemery.com

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard

Los Angeles, California 90021
San Francisco, California 94188

(213) 749-3411 Fax: (213) 746-7228
(415) 330-3000 Fax: (415) 330-3030

Project-Job: 60882-1
ITSI, INC.

Inspection Report

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CA

Report #: INSP-1

July 25, 2002
Page 1 of 1

Mailing Address:
SMITH-EMERY COMPANY
P.O. BOX 880550
SAN FRANCISCO, CA 94188-0550

Distributed to:
ITSI, INC.
SMITH-EMERY COMPANY

CONCRETE INSPECTION REPORT

07/18/02

Inspected the addition of water and slump (water control) at slab at parcel E.

12 Cubic yards of Allied Bedrock.
One set of four test specimens made.

Air entrainment 2.7%.

Verified truck trip tickets for conformance with mix design.

All work inspected complies with the approved plans, job specifications, and the City of San Francisco Building Code, except as noted.

INSPECTED BY EMP. #2168, Wylie Stevenson

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Los Angeles, California 90021
San Francisco, California 94188
www.smithemery.com
(213) 749-3411 Fax: (213) 746-7228
(415) 330-3000 Fax: (415) 330-3030

Project-Job: 60882-1
ITSI, INC.

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CA

Concrete Compression Test

Report #: CTHR-1 July 25, 2002
Page 1 of 1

Distributed to
ITSI, INC.
SMITH-EMERY COMPANY

Mailing Address:
SMITH-EMERY COMPANY
P.O. BOX 880550
SAN FRANCISCO, CA 94188-0550

(ASTM Standards used C10,C39,C231,C173,C138,C1064)

All tests performed by Smith Emery Engineer: Jim Partridge Job Manager: 1069

Set # 1 Date made Thursday, July 18 2002 Slump: 3.00 28 Days Design Strength (PSI) 3,500
Standard size Sampled By 2168 Temp (F) Conc./Air 72 / 65 Mix Design 5313
TruckTicket/Load# 1
Sample Location: SLAB @ PARCEL E

No.	Date of Test	Age (Days)	Height	Diameter	Area	Test Load (Lbs.)	Strength (PSI)	Fract.*	% of Design
1	07/25/2002	7	12.00	6.00	28.27	71,000	2,510	A	72
2	08/15/2002	28	12.00	6.00	28.27				
3	08/15/2002	28	12.00	6.00	28.27				
4	HOLD		12.00	6.00	28.27				

28 day compliance: *N/A*

*Fracture type (A) cone (B) cone & split (C) cone & shear (D) shear (E) column

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www.smithemery.com
(213) 749-3411 Fax: (213) 746-7228
(415) 330-3000 Fax: (415) 330-3030

Project-Job: 60882-1
ITSI, INC.

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CA

Concrete Compression Test

Report #: CTHR-2 August 15, 2002
Page 1 of 1

Distributed to
ITSI, INC.
SMITH-EMERY COMPANY

Mailing Address:
SMITH-EMERY COMPANY
P.O. BOX 880550
SAN FRANCISCO, CA 94188-0550

(ASTM Standards used C10,C39,C231,C173,C138,C1064)
All tests performed by Smith Emery Engineer: Jim Partridge Job Manager: 1069

Set # 1 Date made **Thursday, July 18 2002** Slump: **3.00** 28 Days Design Strength (PSI) **3,500**
Standard size Sampled By **2168** Temp (F) Conc./Air **72 / 65** Mix Design **5313**
TruckTicket/Load# **1**
Sample Location: SLAB @ PARCEL E

No.	Date of Test	Age (Days)	Height	Diameter	Area	Test Load (Lbs.)	Strength (PSI)	Fract.*	% of Design
1	07/25/2002	7	12.00	6.00	28.27	71,000	2,510	A	72
2	08/15/2002	28	12.00	6.00	28.27	116,500	4,120	D	118
3	08/15/2002	28	12.00	6.00	28.27	125,000	4,420	C	126
4	HOLD		12.00	6.00	28.27				

28 day compliance: ***Test COMPLIES with specification. 28 day average=4,271. Percent of Design=122%***

*Fracture type (A) cone (B) cone & split (C) cone & shear (D) shear (E) column

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Gravel Weight tickets

23.43		21.53		
20.6		21.32		
20.13		22.09		
24.07		20.25		
21.49		21.77		
22.41		21.91		
22.2		23.42		
21.79		20.91		
	176.12	20.75		
		17.83		
23.51		18.21		
23.24			229.99	
22.22				
21.54		22.23		
22.67		23.1		
22.58		21.35		
23.08		21.42		
24.28			88.1	
23.31				
23.62		21.83		
21.59		20.94		
21.51		19.73		
	273.15	22.18		
			84.68	
23.86				
22.63		21.77		
18.3		22.61		
22.15		22.06		
22.18		21.03		
21.75		20.89		
18.43		21.2		
17.01			129.56	
20.07				
20.44		20.97		
17.37		22.23		
22.01		19.82		
	246.2	21.84		
		21.59		
21.17			106.45	
20.45				
22.01				
20.98				
	84.61		106.45	
	780.08		638.78	1418.86

verified by [signature] 10/02/02

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Pea Gravel Log
(3/8 x #4)

		Date (DD/MM/YY)	Weight Ticket	Pea Gravel (ton)	Hauler	
1	1	13-Aug	1810208	23.43	Brown & Sons	
2	2	13-Aug	1811186	20.60	Brown & Sons	
3	3	13-Aug	1810794	20.13	Brown & Sons	
4	4	13-Aug	1294312	24.07	Brown & Sons	
5	5	13-Aug	1294310	21.49	Brown & Sons	
6	6	13-Aug	1810222/1294408	22.41	Brown & Sons	
7	7	13-Aug	1810742/1294508	22.20	Brown & Sons	
8	8	13-Aug	1811139/1294607	21.79	Brown & Sons	176.12
9	1	28-Aug	1829945	23.51	Marshall Trucking	
10	2	28-Aug	**1827794**	23.24	S&S Trucking	
11	3	28-Aug	1827847	22.22	S&S Trucking	
12	4	28-Aug	1827837	21.54	S&S Trucking	
13	5	28-Aug	1827763	22.67	S&S Trucking	
14	6	28-Aug	1827766	22.58	S&S Trucking	
15	7	28-Aug	1827820	23.08	S&S Trucking	
16	8	28-Aug	1827830	24.28	S&S Trucking	
17	9	28-Aug	1827804	23.31	S&S Trucking	
18	10	28-Aug	1827797	23.62	S&S Trucking	
19	11	28-Aug	1827485	21.59	Brown & Sons	
20	12	28-Aug	1828002	21.51	Brown & Sons	273.15
21	1	29-Aug	1829199	23.86	Brown & Sons	
22	2	29-Aug	1828535	22.63	Brown & Sons	
23	3	29-Aug	1828534	18.30	Brown & Sons	
24	4	29-Aug	1829546	22.15	Brown & Sons	
25	5	29-Aug	1828658	22.18	Brown & Sons	
26	6	29-Aug	1828546	21.75	Brown & Sons	
27	7	29-Aug	1829568	18.43	Brown & Sons	
28	8	29-Aug	1828548	17.01	Brown & Sons	
29	9	29-Aug	1828665	20.07	Brown & Sons	
30	10	29-Aug	1828443	20.44	Brown & Sons	
31	11	29-Aug	1829991	17.37	Brown & Sons	
32	12	29-Aug	1829992	22.01	Brown & Sons	246.20
33	1	30-Aug	1830101	21.17	Brown & Sons	
34	2	30-Aug	1829997	20.45	Brown & Sons	
35	3	30-Aug	1830936	22.01	Brown & Sons	
36	4	30-Aug	1831363	20.98	Brown & Sons	84.61

37	1	4-Sep	1832796	21.53 Brown & Sons	
38	2	4-Sep	1833325	21.32 Brown & Sons	
39	3	4-Sep	1397636	22.09 Brown & Sons	
40	4	4-Sep	1397629	20.25 Brown & Sons	
41	5	4-Sep	1397625	21.77 Brown & Sons	
42	6	4-Sep	1833811	21.91 Brown & Sons	
43	7	4-Sep	1832825	23.42 Brown & Sons	
44	8	4-Sep	1833436	20.91 Brown & Sons	
45	9	4-Sep	1833814	20.75 Brown & Sons	
46	10	4-Sep	1833007	17.83 Brown & Sons	
47	11	4-Sep	1833500	18.21 Brown & Sons	229.99
48	1	5-Sep	1833992	22.23 Brown & Sons	
49	2	5-Sep	1834559	23.10 Brown & Sons	
50	3	5-Sep	1834558	21.35 Brown & Sons	
51	4	5-Sep	1835101	21.42 Brown & Sons	88.10
		6-Sep NO GRAVEL			
52	1	7-Sep	1837034	21.83 Brown & Sons	
53	2	7-Sep	1837612	20.94 Brown & Sons	
54	3	7-Sep	1836795	19.73 Brown & Sons	
55	4	7-Sep	1838184	22.18 Brown & Sons	84.68
56	1	10-Sep	1839411	21.77 Brown & Sons	
57	2	10-Sep	1839913	22.61 Brown & Sons	
58	3	10-Sep	1839774	22.06 Brown & Sons	
59	4	10-Sep	1839233	21.03 Brown & Sons	
60	5	10-Sep	1838504	20.89 Brown & Sons	
62	6	10-Sep	1838653	21.20 Brown & Sons	129.56
63	1	11-Sep	1840378	20.97 Brown & Sons	
64	2	11-Sep	1840141	22.23 Brown & Sons	
65	3	11-Sep	1841005	19.82 Brown & Sons	
66	4	11-Sep	1840524	21.84 Brown & Sons	
67	5	11-Sep	1840171	21.59 Brown & Sons	106.45
				1418.86	1419

1.4 tons/LF of trench

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

Submitted Billed @ 5.00/ton Sand
TQB
10/4/02 Sent

No. 0161

CONSIGNEE (DELIVERED TO)	IN NOVATIVE T.S.	UNDERLYING CARRIER	LARRY D WILLIAMS
ADDRESS	HUNTERS POINT	ADDRESS	565 PAGE ST
CONSIGNOR (RECEIVED)	HANSON	I.D. NO.	NO. AXLES 3
ADDRESS	S.F.	TARE WEIGHT	
COMMODITY	SAND	TYPE EQUIPMENT	☐ #10 WHEELER ☐ TRANSFER ☐ PUP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☒ SEMI END
JOB NO./DESCRIPTION			
Precise Point of Origin	HANSON	Precise Point of Destination	I.T.S.

Date 10 2 2002 Rate 4.00 TON
TRUCK NO. 528 TRAILER NO. JH 1
S M ☒ W T F S
TONS
LOADS
TOLLS HOURS

No.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	680508			23.24			TONS
2	680522			24.77			
3							
4							
5							
6							
7							
8							

No.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
10							
11							
12							
13							
14							
15							
16							

47.41 TONS

REMARKS

START TIME | STOP TIME | DEDUCT TIME | NET TIME HRS.

DRIVERS SIGNATURE Larry D Williams

RECEIVED BY X [illegible]

INITIAL HERE FOR NO LUNCH

L PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS
RED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Innovative Technical Solutions, Inc.

By _____ Date _____ Subject _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Project No. _____

www.itsi.com

BROWN & SON TRUCKING CO.

22 Ista View Ct
San Francisco, CA 94
(415) 824 2845

No. 0158

CONSIGNOR (BILL TO) ITS		UNLOADING COMPANY HARRY WILLIAM S		DATE 8/13/02	
ADDRESS FUNTERS POINT SF		ADDRESS 25 MAE S F		TRUCK NO. 548	TRAILER NO. 5
CONSIGNOR (BILL TO) PUCCAN		TO NO. NO. 5		15.67	S X J W T F S
ADDRESS KEASTON		TYPE EQUIPMENT: 10 WHEELER / JOB BOTTOM / TRACTOR / SEMI BOTTOM / DUMP / SEMI END		TONS $10.00	
COMMODITY PEA GRV	JOB NO./DESCRIPTION			LOADS	
Precise Point of Origin KEASTON		Precise point of Destination S F		TOLLS	HOURS

MATERIALS			LOADING		UNLOADING		P.O. # OR COMMENTS	MATERIALS			LOADING		UNLOADING		P.O. # OR COMMENTS
No.	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE		No.	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE	
1	139182	24.07	TON					9							
2	139183	23.43						10							
3	139179	20.13						11							
4	139186	20.28						12							
5								13							
6								14							
7								15							
8								16							

REMARKS

START TIME | STOP TIME | DEDUCT TIME | HRS | NET TIME

DRIVER SIGNATURE

RECEIVED BY X

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1.5% PER MONTH (18% PER ANNUM). ANNUALLY, DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Innovative Technical Solutions, Inc.

By _____ Date _____ Subject _____ Sheet No. _____ of _____

Chk'd. By _____ Date _____ Project No. _____

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Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. STRESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 & 12B

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGH-MASTER CERTIFICATE

I hereby certify that the following described commodity was weighed, measured or counted by a weigh-master whose signature is on this certificate and to a reasonable degree of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL NO. 1294405

DRIVER NO. 6596 | TRUCK TYPE 25 | TIME IN | TIME OUT 08:14:05

PLANT 15 | TICKET NO. 1810204 | DATE 12-AUG-98 1:16 | ORDER NO. | PUC ZONE | VULCAN MATERIALS COMPANY WEIGH-MASTER DEPUTY | ROAD NO. | MILES 0

CUSTOMER NAME AND NUMBER: 23406 INNOVATIVE TECHNICAL SOLUTIONS

DRIVER GROSS AND TARE: ON [X] OFF [ ]

DELIVERY ADDRESS: HUNTERS POINT

MAP REFERENCE

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PLANT 89	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*	GROSS
					19 ATB x #4 PEA GRV	15.67	P.T.
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT			23.43	NET
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP		TOTAL 23.43 TON	MANUAL WT	TON

COMMENTS, REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

GROSS P.T. NET

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-65 (Rev. 1/02) MATERIAL/ASPHALT DELIVERY TICKET

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. (CALIF. B & P CODE SECTION 12722 A & B).

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER, AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

I HEREBY CERTIFY, that the weight, measure, or count of the material described on this ticket was ascertained by a weighmaster, sealer of weights and measures, or other person authorized by law, and that the weight, measure, or count so ascertained by me or under my supervision is correct. Pursuant to Division 1, Chapter 9 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, the Division of Measurement Standards of the California Department of Food and Agriculture.

12461 9

PLANT	TICKET NO.	DATE RECEIVED	ORDER NO.	PLUG ZONE
15	1041386	12-AUG-96 11:15		

CONTROL I.D. NO.	TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
	5	9		15:34

VULCAN/MATERIAL COMPANY WEIGHMASTER/DEPUTY	LOAD NO.	MILES
	5	0

CUSTOMER NAME AND NUMBER: 234096 INDUSTRIE

DRIVER GROSS AND TARE: ON [X] OFF [ ]

HUNTERS POINT

MAR REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRUCK	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*	
			89		FOR HAUL	36.27	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT			15.67	P.T.
				115	3/8 X #4 PEA GRV	20.60	NET
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP				TON
					TOTAL 1 30.56 TON	MANUAL WT.	

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

GROSS
P.T.
NET

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Innovative Technical Solutions, Inc.

By _____ Date _____ Subject _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Project No. _____

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By _____ Date _____ Subject _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Project No. _____

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Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. THERE STAND-BY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER CANNOT BE RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER CANNOT BE HELD BY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12221 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WAIVER OF DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

I, the undersigned, certify that the weight and measure of this commodity was weighed, measured, or counted by me or under my supervision and was found to be of the quantities shown hereon, and that such weighing, measuring, or counting was performed by Chapter 7 (commencing section 12500) Division 5 of the California Business and Professions Code, and the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL NO. 1294525

PLANT	TICKET NO	DATE	ORDER NO	SELL CODE	TRUCK NO	TRUCK TYPE	TIME IN	TIME OUT
15	1810794	12-Aug-05	1116			15		12:19

REC'D BY	WARRANTY/SALES COUNTY/WEIGHMASTER COUNTY	LOAD NO.	MILES
		4	4

CUSTOMER NAME AND NUMBER: EVANS INNOVATIVE

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB LOCATION: HUNTERS PLANT

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.
			89

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*	
	FOB HAUL	35.80	GROSS
		15.67	P.T.
115	3/8 X WA PEA GRV	20.13	NET
			TON
	TOTAL 89.17 TON	MANUAL	WT
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Innovative Technical Solutions, Inc.

By _____ Date _____ Subject _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Project No. _____

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Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. V & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

CONTROL DISC 1294382

Tony G Miller

PLANT	TICKET NO.	DATE	ORDER NO.	DATE OUT	TRUCK NO.	TRUCK OUT	TIME IN	TIME OUT
15	[illegible]	6-12-02	[illegible]					

RECEIVED BY

VULCAN MATERIALS COMPANY WEIGHMASTER PER TK

LOAD NO.	MILES

CUSTOMER NAME AND NUMBER

DRIVER GROSS AND TARE ON [X] OFF [ ]

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TANK

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *
		39.74
		15.67
115	Sieve	24.07

COMMENTS - REMARKS C.O.D./S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-65 (Rev. 1/02) MATERIAL/ASPHALT DELIVERY TICKET

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0159

CONSIGNEE (DELIVERED TO): I.T.I.S
ADDRESS:
CONSIGNOR (RECEIVED): Vulcan Materials
ADDRESS:
COMMODITY: Pea Gravel
JOB NO./DESCRIPTION:
Precise Point of Origin: Vulcan, Pleasanton
Precise Point of Destination: Hunters Point Shipyard, S.F.

UNDERLYING CARRIER: Network Trucking
ADDRESS:
I.D. NO.:
NO. AXLES: 5
TARE WEIGHT: 17.26 Tons
TYPE EQUIPMENT: ☐ #10 WHEELER ☐ TRANSFER ☐ PUP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☐ SEMI END

Date: 8/12/02 200
Rate: $4.0/ton
TRUCK NO.: 621
TRAILER NO.:
S (M) T W T F S
TONS: 87.89
LOADS:
TOLLS:
HOURS: 13.25

No.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	1294310	21.49	4:50	5:35	6:40	7:15	
2	1810222	22.41	8:37	8:55	10:25	10:33	
3	1810742	22.20	11:44	11:58	1:09	1:16	
4	1811139	21.79	2:36	2:54	7:04	7:10	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

87.89 Tons

REMARKS: P.O.# 011170506

START TIME: 5:00
STOP TIME: 8:15
DEDUCT TIME: 2.5 HR
NET TIME HRS.: 13.25
DRIVERS SIGNATURE: Will
RECEIVED BY: X
INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

By ____ Date ____ Subject ____ Sheet No. ____ of ____
Chkd. By ____ Date ____ Project No. ____

ITSI Innovative Technical Solutions, Inc.
www.itsi.com

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B.& P. CODE SECTION 12722.A.V.8.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL ID. NO. 1294380

PLANT	TICKET NO.	DATE	REFERENCE NO.	ORDER NO.	DELIVERY ZONE
15	[illegible]	8-12-02	[illegible]	[illegible]	

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
1683			

BY VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
[illegible]		

CUSTOMER NAME AND NUMBER: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

DELIVERY INSTRUCTIONS: [illegible]

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRIP

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *
115	3/8 Rock	38.75
		12.26
		51.49

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-65 (Rev. 1/02) MATERIAL/ASPHALT DELIVERY TICKET

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER'S RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a Weighmaster whose signature is on this certificate, who is a Weighmaster authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 129408

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V868	S		08:52

PLANT	TICKET NO.	DATE	ORDER NO.	PUC ZONE	BY VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	601922	12-Aug-02	1018		MENDE	12	0

CUSTOMER NAME AND ADDRESS: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

HUNTERS POINT

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	CONTR.	
			89	FOB HAUL

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*	
115	3/8 1 #4 PEA GRV	39.67	GROSS
		17.26	P.T.
		22.41	NET
	TOTAL 1448.84 TON		TON
		MANUAL WT.	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -		
	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

77-65 (Rev. 1/02) MATERIAL/ASPHALT DELIVERY TICKET

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on the certificate, who is a weighmaster authorized or licensed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, and supervised by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL ID NO. 124508

RECEIVED BY

PLANT	TICKET NO	DATE	ORDER NO	LOCATION	TRUCK NO	TRUCK TYPE	TIME IN	TIME OUT
15	121002	12 Aug 02				S		12:40

BY VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY

LOAD NO	MILES
3	0

CUSTOMER NAME AND NUMBER

DRIVER GROSS AND TARE: ON [X] OFF [ ]

HUNTER PAVING

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PLANT
			89 FOB HAULING

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		39.46	GROSS
		17.26	P.T.
	115 3/8 X #4 PER DRV	22.20	NET
	TOTAL 22.20 TON		TON
		MANUAL WT	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS - O.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following customer commodity was weighed, measured or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1294607

PLANT	TICKET NO.	DATE	RECEIVED BY	ORDER NO.	SALES ZONE
12	[illegible]	12-Aug-02	1:18		* POMELINDA

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
0869	8		14:50

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY

LOAD NO.	MILES
5	0

CUSTOMER NAME AND NUMBER: 224-506 INNOVA

CITY: HUNTERS POINT

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	CHANGE
			69 FOR HANGLE

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*	
115	3/8 X #4 PEA GRV	39.05	GROSS
		17.26	P.T.
		21.79	NET
	TOTAL 109.96 TON		TON
		MANUAL WT.	
			GROSS
			P.T.
			NET

COMMENTS • REMARKS • C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

DAY Wed AM/PM
DATE 8-28-2002

TRUCK NO.
SUB HAULER
SHIPPER Vul
POINT OF ORIGIN EL
CITY Pleas
JOB NO
ONE-WAY MILEAGE

NO	SCALE TAG NUMBER	MATERIALS
1	1827169	
2	1829545	
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		

START TIME 12:00PM
DRIVER'S SIGNATURE
RECEIVED BY X

ON ALL PAST DUE A
WHICH IS 18% ANNU
INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

WHITE AND YELLOW OFFICE COPY / PINK CONTRACTOR'S COPY / GOLDENROD DRIVER'S COPY

TOTAL CHARGES $

MARSHALL TRUCKING
P. O. Box 31686, Oakland, CA 94604-7686
Ca 72772

1241

SHIPPING ORDER AND FREIGHT BILL

TYPE OF LOADING EQUIPMENT
☐ HIGH SIDE ☐ BOTTOM PUMP ☐ TRANSFER ☐ 18-WHEELER

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

x RECEIVED BY

CONTROL I.D. NO. 0921045

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
6741	S		15:44

PLANT	TICKET NO	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	1829545	28-Aug-02	ITIS	- 0	MELINDA	8	0

CUSTOMER NAME AND NUMBER: 234408 INNOVATIVE TECH SOLUTIONS, INC.

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

DELIVERY INSTRUCTIONS: HUNTERS POINT/01-167-05-11

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	COMPANY NAME
			SS S & S TRUC

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		38.93	GROSS
		15.42	P.T.
115	3/8 X #4 PEA GRV	23.51	NET
			TON
	TOTAL 168.96 TON	MANUAL WT	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET
77-65 (Rev. 8/01)

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

SHIPPING ORDER and FREIGHT BILL

M.B.E. MINORITY BUSINESS

04289

S	M	T	W	T	F	S
	8	1	27			02

TRUCK NO. 215 TRAILER NO. 760

SUB HAULER Nikki

PRIME CARRIER S+S

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☒ OWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☒ 10 DUMP ☐ 20/10 DUMP ☐ TRANSFER ☐ 10 WHEELER	5

SHIPPER Vulcan

CONSIGNEE JT&S

POINT OF ORIGIN El Charro rd

DESTINATION Hunters Point

CITY Pleasanton

CITY SF

TAG NO. Y289

P.O. NO.

FUEL GAL.

ONE WAY MILEAGE

UNLADEN WEIGHT

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)

MATERIALS TYPE			LOADING			UNLOADING		
NO.	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	STAND BY	TIME ARRIVE	TIME LEAVE	STAND BY
1	1847994	23.24	9:45	10:30		12:30	1:05	
2			2:15					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

MUST BE TURNED IN WITHIN 7 DAYS COMP & SIGNED
ATTACH ALL SCALE TAGS

P.O.# or COMMENTS	STOLC	BILLING

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

RATE Hourly

DUMPS/MATERIAL CHARGED TO:

START TIME 9:45

STOP TIME 2:15

DEDUCT TIME Ø

NET TIME HRS. 4 MIN. 30

DRIVER'S SIGNATURE

RECEIVED X

* BELOW EXCLUSIVE USE OF S & S ONLY *

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION, AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE.

THIS TAG WHEN SIGNED BECOMES A LEGAL BINDING CONTRACT WHETHER SIGNED BY OWNER OR THEIR REPRESENTATIVE.

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGE INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

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P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 22168

S M (T) W T F S

08 / 27 20 02

TRUCK NO. S-211 TRAILER NO. S-146

SUB HAULER SAYLOR TRKG

PRIME CARRIER S & S TRKG

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☑ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☑ END. DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10-WHEELER	5

SHIPPER S & O

CONSIGNEE INNOVATIVE TECH SOLUTIONS INC.

POINT OF ORIGIN VULCAN

DESTINATION HUNTERS POINT

CITY PLEASANTON C.A.

CITY SAN FRANCISCO C.A.

TAG NO.

P.O. NO.

FUEL GAL.

ONE-WAY MILEAGE

UNLADEN WEIGHT

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE			LOADING			UNLOADING		
NO.	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	STAND BY	TIME ARRIVE	TIME LEAVE	STAND BY
1	1396520	22.22	0945	10:40		1240	1350	
2	(1827847)		1320					
3								
4								
5								
6								
7	MUST BE TURNED IN WITHIN							
8	1 DAYS COMP & SIGNED							
9	ATTACH ALL SCALE TAGS							
10								
11								
12								
13								
14								
15								
16								
17								

P.O.# or COMMENTS	STOLL	BILLING
BRIDG TOLL $	9.25	

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

RATE $ 12

DUMPS/MATERIAL CHARGED TO:

START TIME 0945

STOP TIME

DEDUCT TIME 0

NET TIME HRS. 3 MIN. 25

DRIVER'S SIGNATURE

RECEIVED X

★ BELOW EXCLUSIVE USE OF S & S ONLY ★

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH SU

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

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Vulcan
Materials Company

Western Division
200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

77-66 (Rev. 1/02)

TRUCK NO.	TRAILER NO.	DRIVER NO.						
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT					
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TIME					
COMMENTS								
ORDER TOTAL								
		TOTAL						

CUSTOMER'S COPY

ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

CONTRACTOR'S COPY

S	M	T	W	T	F	S

9/27 2002

TRUCK NO. 843 TRAILER NO. S157

SUB HAULER BRENTWOOD CAF

PRIME CARRIER S & S TRUCKING

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 01610

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☑ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☑ END. DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10-WHEELER	5

SHIPPER: VULCAN

CONSIGNEE: J T S INC.

POINT OF ORIGIN: EL CARRO RD

DESTINATION: HUNTERS POINT SHIPYARD

CITY: PLEASANTON

CITY: S.F.

TAG NO.: 01610

P.O. NO.:

FUEL GAL.:

ONE-WAY MILEAGE:

UNLADEN WEIGHT:

OIL GAL.:

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE: PEA GRV

NO.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING STAND BY	P.O.# or COMMENTS	TOLL	BILLING
1	1827837	21.54	1000	1045		1230	1245			4.25	
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

RATI

DUMPS/MATERIAL CHARGED TO:

START TIME: 10:00 AM

STOP TIME: 2:15 PM

DEDUCT TIME: 0

NET TIME HRS.: 4

MIN.: 5

DRIVER'S SIGNATURE:

RECEIVED X

★ BELOW EXCLUSIVE USE OF S & S ONLY ★

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH: SV

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

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Vulcan
Materials Company
Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

[illegible]

PLANT		
11	[redacted]	[illegible]

ON [X] OFF [ ]

TRUCK I.D. NO.	TRAILER I.D. NO.			PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY	
						[illegible]	GROSS
						15.73	P.T.
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT	1[illegible]	[illegible] MIX [illegible] BRV	21.94	NET TON
DRIVER NO.	WAIT TIME	DELAY TIME	TOTAL TRIP		TOTAL [illegible] TON	[illegible]	WT
							GROSS
							P.T.
							NET

COMMENTS / REMARKS / C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TOTAL ➡	

CUSTOMER'S COPY

ALL WEIGHED QUANTITIES IN TONS OR DECATONS

77-65 (Rev. 10/2)

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

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P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 01196

S	M	T	W	T	F	S

8 / 27 / 2002

TRUCK NO. 317 TRAILER NO. 5154

SUB HAULER R S Trucking

PRIME CARRIER S & S

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☑ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☑ END. DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10-WHEELER	5

SHIPPER: VULCAN MATERIALS

POINT OF ORIGIN: 52 EL CHARRO ROAD

CITY: PLEASANTON

TAG NO. 01196 P.O. NO.

ONE-WAY MILEAGE UNLADEN WEIGHT

CONSIGNEE: TTSI

DESTINATION: HUNTERS POINT

CITY: S.F.

FUEL GAL.

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE			LOADING			UNLOADING		
NO.	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	STAND BY	TIME ARRIVE	TIME LEAVE	STAND BY
1	1827763	22.67	10:00	10:20		12:00	12:30	
2			2:00					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

P.O.# or COMMENTS	STOLL	BILLING
(Toll Bridge 9.50)		

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

RATE Hourly

DUMPS/MATERIAL CHARGED TO: TTSI

START TIME 10:00 STOP TIME 2:00 DEDUCT TIME — NET TIME HRS. 4 MIN. 0

DRIVER'S SIGNATURE [illegible]

RECEIVED X [illegible]

★ BELOW EXCLUSIVE USE OF S & S ONLY ★

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

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CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 09693

S	M	T	W	T	F	S

DATE 1/27 2002

TRUCK NO. 960 TRAILER NO. 150

SUB HAULER [illegible]

PRIME CARRIER S & S

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☐ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☑ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10 WHEELER	5

SHIPPER VULCAN MATERIALS COMPANY

CONSIGNEE TCI

POINT OF ORIGIN

DESTINATION HUNTERS POINT

CITY NAPA PRODUCTION CO

CITY S.F.

TAG NO. 09693

P.O. NO.

FUEL GAL.

ONE-WAY MILEAGE

UNLADEN WEIGHT

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE			LOADING			UNLOADING		
NO	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	STAND BY	TIME ARRIVE	TIME LEAVE	STAND BY
1	1027766	22.58	10:00	10:25		12:10	12:30	
2			2:00					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

F.O.B or COMMENTS	STOLL	BILLING
Toll Bridge	9.25	

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

RATE

DUMPS/MATERIAL CHARGED TO:

START TIME

STOP TIME 2:00

DEDUCT TIME

NET TIME HRS.

DRIVER'S SIGNATURE

MIN.

RECEIVED X

★ BELOW EXCLUSIVE USE OF S & S ONLY ★

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH

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NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DIRECTS, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGE INCURRED ON PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND REJECTED FOR.

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 01061

S	M	T	W	T	F	S

8 / 27 / 2002

TRUCK NO. 509 TRAILER NO. 144

SUB HAULER DJS Trucking

PRIME CARRIER S & S TRK.

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☑ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☑ END. DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10-WHEELER	5

SHIPPER Vulcan

POINT OF ORIGIN P.C. Cinnabar Rd

CITY Mt. View Sanitary C.A.

CONSIGNEE I.T. Solutions Inc.

DESTINATION Hunter Point

CITY San Francisco C.A.

TAG NO. 01061

P.O. NO.

FUEL GAL.

ONE-WAY MILEAGE

UNLADEN WEIGHT

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE 3/8" Rock

NO.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING STAND BY	P.O.# or COMMENTS	STOLL	BILLING
1	1827820	23.08	10:00	10:40		12:10	12:30				
2											
3											
4											
5											
6											
7	MUST BE		PARKED IN			WITHIN					
8	1 DAY		COMPLETED								
9	ATTACH		[illegible]								
10											
11											
12											
13											
14											
15											
16											
17											

RATE

DUMPS/MATERIAL CHARGED TO:

START TIME

STOP TIME

DEDUCT TIME

NET TIME HRS. MIN.

DRIVER'S SIGNATURE [signature]

RECEIVED X [signature]

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

* BELOW EXCLUSIVE USE OF S & S ONLY *

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION, AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

THIS TAG WHEN SIGNED BECOMES A LEGAL BINDING CONTRACT WHETHER SIGNED BY OWNER OR THEIR REPRESENTATIVE.

NOTICE. OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGE INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 09400

S	M	T	W	T	F	S

9 / 27 20 02

TRUCK NO. 57 TRAILER NO. 5159

SUB HAULER Drop Truck

PRIME CARRIER S & S.

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☐ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☐ END. DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10-WHEELER	

SHIPPER: VALCUM

POINT OF ORIGIN: El Cerrito Road

CITY: Colma

CONSIGNEE: T.T.

DESTINATION: Hunter Point

CITY: San Francisco

TAG NO. | P.O. NO. | FUEL GAL.

ONE-WAY MILEAGE | UNLADEN WEIGHT | OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE			LOADING			UNLOADING		
NO.	SCALE TAG NO	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	STAND BY	TIME ARRIVE	TIME LEAVE	STAND BY
1	182736	24.28	10:00	10:30		12:10	12:20	
2			1:40					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

P.O.# or COMMENTS	STOLL	BILLING

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

RATE | DUMPS/MATERIAL CHARGED TO:

START TIME | STOP TIME | DEDUCT TIME | NET TIME HRS. MIN.

DRIVER'S SIGNATURE: Manuel [illegible]

RECEIVED X

* BELOW EXCLUSIVE USE OF S & S ONLY *

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH

ALL BILLS DUE AND PAYABLE BY THE 30TH OF THE MONTH. A 2% PER MONTH CHARGE ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE OFFSETS TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION, AND OIL TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE.

THIS TAG WHEN SIGNED BECOMES A LEGAL BINDING CONTRACT WHETHER SIGNED BY OWNER OR THEIR REPRESENTATIVE.

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGE INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 09031

S M (T) W T F S

8 / 27 2002

TRUCK NO. 147 TRAILER NO. 5161

SUB HAULER R & P TRS

PRIME CARRIER S & S

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT	☐ LOWSIDE	
☒ POWER ☐ HAND	☐ FLATBED	
	☐ HIGHSIDE	
	☒ END DUMP	5
	☐ BOTTOM DUMP	
	☐ TRANSFER	
	☐ 10 WHEELER	

SHIPPER: Vulcan material

CONSIGNEE: ITSI

POINT OF ORIGIN: El Charro Rd

DESTINATION: Hunter's Point

CITY: Pleasanton

CITY: San Francisco

TAG NO. 09031

P.O. NO.

FUEL GAL.

ONE-WAY MILEAGE

UNLADEN WEIGHT

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE: 3/8 Pea Gravel

NO.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING STAND BY	P.O.# or COMMENTS	STOLL	BILLING
1	1827904	23.31	945	1030		1200	1215				
2	1827804		145								
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											

RATE

DUMPS/MATERIAL CHARGED TO: ITSI

START TIME 945

STOP TIME 145

DEDUCT TIME 0

NET TIME HRS. 4 MIN. 0

DRIVER'S SIGNATURE

RECEIVED X

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

* BELOW EXCLUSIVE USE OF S & S ONLY *

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG.	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION, AND (2) TAXES PAID TO CALIFORNIA (OTHER) INSTEAD OF LOCAL OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE.

INITIAL HERE FOR NO LUNCH

THIS TAG WHEN SIGNED BECOMES A LEGAL BINDING CONTRACT WHETHER SIGNED BY OWNER OR THEIR REPRESENTATIVE

NOTICE: THE DRIVER WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGE INSIDE LOAD OR UNDER RIGHT OF WAY. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

CONTRACTOR'S COPY

S & S TRUCKING

P.U.C. 186-160

Dirt • Rock
Sand • Gravel

Specializing in Construction Trucking

(415) 626-1123
P.O. Box 282009
San Francisco, CA 94128-2009

M.B.E. MINORITY BUSINESS

SHIPPING ORDER and FREIGHT BILL 32850

S	M	X	W	T	F	S

8 127 20 02

TRUCK NO. 526 TRAILER NO. 515

SUB HAULER SARIC TRK

PRIME CARRIER S & S TRK

TYPE OF LOADING	EQUIPMENT	NO. OF AXLES
☐ BUNKER ☐ BELT ☒ POWER ☐ HAND	☐ LOWSIDE ☐ FLATBED ☐ HIGHSIDE ☒ END. DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐ 10 WHEELER	5

SHIPPER VULCAN Mat - CON

POINT OF ORIGIN 5D EL CHANIO Rd

CITY PLEASANTON - CA

CONSIGNEE I. T. S. I

DESTINATION HUNTER POINT

CITY S.F. - CA

TAG NO. 32850

P.O. NO.

FUEL GAL.

ONE-WAY MILEAGE

UNLADEN WEIGHT

OIL GAL.

TIME STARTED LAST LOAD (SAME AS TIME LEAVE LOADING)—

TIME ARRIVED TO DUMP LAST LOAD (SAME AS TIME ARRIVE UNLOADING)—

NET RUNNING TIME LAST LOAD (DIFFERENCE OF TIME LEAVE LOADING AND TIME ARRIVE LOADING)—

TIME FINISHED DUMP LAST LOAD (SAME AS TIME LEAVE UNLOADING)—

TIME ALLOWED TO RETURN, SAME AS NET RUNNING TIME LAST LOAD (FIGURE SAME AS #3 ABOVE)—

MATERIALS TYPE			LOADING			UNLOADING		
NO	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	STAND BY	TIME ARRIVE	TIME LEAVE	STAND BY
1	182799	23-62	10-00	10-8		12-00	12-30	
2			2-C					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

P.O.# or COMMENTS	STOLL	BILLING

RATE 64 1/2 $ DUMPS/MATERIAL CHARGED TO:

START TIME 10 10 STOP TIME DEDUCT TIME 0 NET TIME HRS. MIN.

DRIVER'S SIGNATURE

RECEIVED X

IF MATERIAL OR DUMPS ARE CHARGED TO S & S KEEP ALL RECEIPTS AND ATTACH TO TAG

* BELOW EXCLUSIVE USE OF S & S ONLY *

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
TOTAL TRKG	
MATERIAL	
TAX	
DUMPS	
BRIDGE TOLL	
TOTAL CHARGES	$

INITIAL HERE FOR NO LUNCH

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 2% PER MONTH CHARGE ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

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DAY	DATE	TRUCK NO.	SUB HAULER	SHIPPER	POINT OF ORIGIN	CITY	JOB NO	ONE-WAY MILEAGE	MATERIALS	SCALE TAG NUMBER	NO.
Wed	8-3			Vulc		Plea				1829116	1
										1829116	2
											3
											4
											5
											6
											7
											8
											9
											10
											11
											12
											13
											14
											15
											16
											17

START TIME 12:00 PM

DRIVER'S SIGNATURE

RECEIVED BY X

ON ALL PAST DUE A[illegible] WHICH IS 18% ANN[illegible] INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

WHITE AND YELLOW OFFICE COPY / PINK CONTRACTOR'S COPY / GOLDENROD DRIVER'S COPY

TOTAL CHARGES $

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING SERVICE.

RECEIVED BY

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was w[illegible] measured, or counted by a weighmaster, whose signature is on this certificate, [illegible] is a recognized authority of accuracy, as prescribed by Chapter 7 (comm[illegible] with Section 12700) of Division 5 of the California Business and Professions [illegible] administered by the Division of Measurement Standards of the Ca[illegible] Department of Food and Agriculture.

CONTROL I.D. NO. 1396832

TRUCK NO.	TRUCK TYPE	TIME IN	TIME O[illegible]
6741	S		09:[illegible]

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILE[illegible]
15	[illegible]	28-Aug-02	1119	- 0	RENAE	5	

CUSTOMER NAME AND NUMBER: 2340 INNOVATIVE TECHNOLOGIES

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MONITORING PLANT 21-1[illegible]

MAP REFERENCE

DELIVERY INSTRUCTIONS

MATERIAL/ASPHALT DELIVERY TICKET

77-85 (Rev. 1/02)

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	ZONE	
			SS	S & S TRUC

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		39.28	GROS
		15.42	P. T
119	3/8 X #4 PER GRV	23.86	NET
			TO
	TOTAL 104.87 TON		MANUAL M
			GROS
			P. T
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRA[illegible]

CENTRAL/NORTHERN CALIFORNIA REGION - ASPHALT PLANTS
17 - WHEELER RIDGE (661) 858-0106
20 - BAKERSFIELD (661) 834-0130
21 - LEMON COVE (559) 564-3348
25 - FRUANT (559) 434-0460
26 - ROCKFIELD (559) 434-9341
28 - SANGER (559) 787-2592
29 - PLEASANTON (925) 846-5125
30 - ROSEVILLE (916) 773-3953
32 - CRASS VALLEY (530) 273-4437
77 - ROSEVILLE - GUARDIOTUP (916) 773-3948

CENTRAL/NORTHERN CALIFORNIA REGION - AGGREGATE PLANTS
16 - PLEASANTON (925) 846-2452
11 - FRUANT (559) 434-1202
13 - SANGER (559) 787-2534
15 - WHEELER RIDGE (661) 858-0106
24 - SAN EMIDIO (661) 835-4500
[illegible] - PENASQUITOS (619) [illegible]

450 Sycamore, Milpitas, CA 95035
8517 Pacoima St., Bakersfield, CA 93311
24325 Lorelei Dr., Lemoncove, CA 93244
11589 N. Friant Rd., Fresno, CA 93720
13475 N. Friant Rd., Fresno, CA 93726
17041 E. Kings Canyon Hwy., Sanger, CA 93657
52 El Charro Rd., Pleasanton, CA 94588
9600 Del Rio, Roseville, CA 95747
11825 La Barr Meadows Rd., Grass Valley, CA 95945
9600 Del Rio, Roseville, CA 95747

50 El Charro Rd., Pleasanton CA 94588
11589 N. Friant Rd., Fresno, CA 93720
17041 E. Kings Canyon Hwy., Sanger, CA 93657
1911 Sycamore, Milpitas, CA 95035
HWY 166 West of Old River Road, Kern County, CA 93313
8877 Pacoima St., Bakersfield, CA 93311

SHIPPING ORDER AND FREIGHT BILL

☐ ☐ HIGH SIDE
☐ ☐ BOTTOM PLANK
☐ ☐ TRAILER
☐ ☐ 10-WHEELER

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0164

CONSIGNEE (DELIVERED TO): ITSI
ADDRESS:
CONSIGNOR (RECEIVED): Vulcan Materials
ADDRESS:
COMMODITY: RA Gravel
JOB NO./DESCRIPTION:
Precise Point of Origin: Vulcan, Pleasanton
Precise Point of Destination: Shipyard, S.F.

UNDERLYING CARRIER: Network Trucking
ADDRESS:
I.D. NO.:
NO. AXLES: 5
TARE WEIGHT: 17.24 TON
TYPE EQUIPMENT: ☐ 410 WHEELER ☐ TRANSFER ☐ DUP ☐ 084. BOTTOM ☐ SEMI BOTTOM ☑ SEMI END

Date: 8/28 2002
Rate: P14/TON
TRUCK NO: 621
TRAILER NO:
S M T W T F S
TONS: 22.63
LOADS: 1
HOURS: 3

No.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	182385	22.63	5:00	5:15	6:30	6:40	
2							
3							
4							
5							
6							
7							
8							

No.	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
9							
10							
11							
12							
13							
14							
15							
16							

REMARKS:

START TIME: 5:00 STOP TIME: 8:00 DEDUCT TIME: Ø HRS. 3 NET TIME:

DRIVERS SIGNATURE: Will

RECEIVED BY: X

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

MATERIAL/ASPHALT DELIVERY TICKET

Vulcan Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, or is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1396654

RECEIVED BY: Will

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
0621	15		

PLANT	TICKET NO.	DATE	ORDER NO.	P.M.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	[illegible]	27-AUG-02	ITIS		MEL JINDA	14	0

BY:

CUSTOMER NAME AND NUMBER: [illegible] INNOVATIVE TECH SOLUTIONS, INC.
CUSTOMERS P.O. NUMBER: [illegible]
DRIVER GROBS AND TARE: ON ☒ OFF ☐
JOB ADDRESS: MAIN GOTH POINT/01-417-02-13
MAP REFERENCE:
DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PROD.	
				[illegible]

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	NET
			TONS
		[illegible]	[illegible]
			GROSS
			[illegible]
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAM

CUSTOMER'S COPY

77-65 (102)

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-7645

No. 0165

DELIVERED TO: ITS.I	UNDERLYING CARRIER: Network Trucking	Date 8/27 200 2	Rate $200/load
	ADDRESS	TRUCK NO. C-41	TRAILER NO.
CONSIGNOR RECEIVED: Vulcan	I.D. NO. / NO. AXLES 5 / TARE WEIGHT 16.37	S M O W T F S	
	TYPE EQUIPMENT: ☐ 4/10 WHEELER ☐ DBL BOTTOM ☐ TRANSFER ☐ SEMI BOTTOM ☐ PUP ☑ SEMI END	TONS 18.30	
COMMODITY: Pea Gravel	JOB NO./DESCRIPTION	LOADS 1	
Precise Point of Origin: Vulcan, Pleasanton	Precise Point of Destination: Shipyard, S.F.	TOLLS	HOURS 3

No	MATERIALS SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS	No	MATERIALS SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	1828534	18.30	5:00	5:15	6:31	6:41		9							
2								10							
3								11							
4								12							
5								13							
6								14							
7								15							
8								16							

REMARKS

START TIME 5:00 STOP TIME 8:00 DEDUCT TIME Ø NET TIME HRS.

DRIVERS SIGNATURE LARRY

RECEIVED BY X [illegible]

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

RECEIVED BY: LARRY

WEIGHMASTER CERTIFICATE
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CONTROL I.D. NO. 1396653

TRUCK NO	TRUCK TYPE	TIME IN	TIME OUT
0637	5		[illegible]

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	1396534	27-Aug-02	1115	0	MELINDA	13	0

CARTIMER NAME AND NUMBER: 228[illegible] INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMERS P.O. NUMBER: 0111[illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: [illegible] POINT/01-11/02-11

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	[illegible]	
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT	
DRIVER NO	JOB TIME	DELAY TIME	TOTAL TRIP	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	NET
			[illegible]
	TOTAL [illegible]	BONUS	[illegible]
			GROSS
			[illegible]
			TARE

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

MATERIAL/ASPHALT DELIVERY TICKET

77-85 (R[illegible]/02)

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B

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#6526 P.002/003

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CONTROL I.D. NO. 1396911

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V697	5		12:04

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER/DEPUTY	LOAD NO.	MILES
15	1829568	28-Aug-02	ITIS	- 0	MELINDA	7	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER'S P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT/01-117-05-11

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PRICE	
			89	FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		34.80	GROSS
		16.37	P.T.
115	3/8 X #4 PEA GRV	18.43	NET
			TON
	TOTAL 145.45 TON	MANUAL	WT
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
	TOTAL	

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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CONTROL I.D. NO. 1396710

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V697	5		06:24

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER/DEPUTY	LOAD NO.	MILES
15	1828665	28-Aug-02	ITIS	- 0	RENAE	4	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER'S P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT/01-117-05-11

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PRICE	
			89	FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		36.44	GROSS
		16.37	P.T.
115	3/8 X #4 PEA GRV	20.07	NET
			TON
	TOTAL 81.01 TON	MANUAL	WT
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
	TOTAL	

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B

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CONTROL I.D. NO. 1396911

RECEIVED BY Larry

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V697	S		12:04

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER/DEPUTY	LOAD NO.	MILES
15	1829568	28-Aug-02	ITIS	- 0	MELINDA BY	1	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT/01-117-05-11

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	DRIVER	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
			89 FOB HAULS			34.80	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT	115	3/8 X #4 PEA GRV	16.37	P.T.
						18.43	NET
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP				TON
					TOTAL 145.45 TON	MANUAL WT	

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

GROSS
P.T.
NET

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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CONTROL I.D. NO. 1396710

RECEIVED BY Larry

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V697	S		06:24

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER/DEPUTY	LOAD NO.	MILES
15	1828665	28-Aug-02	ITIS	- 0	RENAE BY	4	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT/01-117-05-11

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	DRIVER	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
			89 FOB HAULS			36.44	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT	115	3/8 X #4 PEA GRV	16.37	P.T.
						20.07	NET
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP				TON
					TOTAL 81.01 TON	MANUAL WT	

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

GROSS
P.T.
NET

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

FREIGHT BILL AND TRANSPORTATION AGREEMENT

2878

CA 028861
EPA RCRA # CAR000114910
DTSC TRANSPORTER REG # 3584
WBL # 0C900022

A.T.C.
Another Trucking Company
Hazardous Material Transporter
4400 Vancouver Ct. San Jose, CA 95127
(408) 923-2946
(408) 259-4969 Fax

TRUCK NO. 2772 TRAILER NOS. MS2 TRACTOR LIC. NO. DATE 6-27-02
UNDERLYING CARRIER Marshall Trka HOURLY RATE NOTICE NO. & DATE F

CONSIGNOR (RECEIVED FROM): VULCAN
CONSIGNEE (RECEIVED FROM): TTSI
POINT OF ORIGIN (LOAD SITE): El Charro Rd.
POINT OF DESTINATION (DUMP SITE): Hunters Point
CITY: Pleasanton, CA.
CITY: S. F. CA.
NAME AND ADDRESS OF DEBTOR (IF OTHER THAN CONSIGNOR): X Brown & Son Inc
JOB NO.
(ZONE RATES ONLY) PRODUCTION AREA LEFTLN: ADDRESS: 27 Vista View Ct
P.O. NO.
DELIVERY ZONE: CITY: San Francisco CA 94124
(DISTANCE RATES ONLY) DISTANCE IN MILES

MANIFEST NO.	TAG NO.	WEIGHT	LOADING ARRIVE	LOADING DEPART	UNLOADING ARRIVE	UNLOADING DEPART
1 1028443		20.44				
2						
3						
4						
5						
6						
7						
8						

COMMODITY TRANSPORTED: Pea Gravel
TYPE OF LOADING AT ORIGIN: POWER ☐ HAND ☐ BUNKER ☒ OTHER ☐
CAPACITY IN CUBIC YARDS:
NO. OF AXLES: 5
IF DISTANCE BETWEEN FIRST AND LAST AXLE IS 58 FEET OR OVER CHECK ☐
TIME DRIVER REPORTED FOR WORK
TARE WEIGHT

A. STARTING TIME OF LAST TRIP		B. STARTING TIME OF UNLOADING OF LAST TRIP		C. OVERALL TIME INCLUDING RETURN TRIP	
TIME ARRIVED AT DUMP SITE		ENDING TIME OF UNLOADING TIME OF LAST TRIP		D. DEDUCTIBLE TIME: FOR MEALS OR FAILURE OF CARRIER EQUIPMENT	
RUNNING TIME OF LAST TRIP		ELAPSED TIME OF UNLOADING TIME OF LAST TRIP		SIGN FOR NO LUNCH	
REASON FOR DELAY				NET CHARGEABLE TIME	

TYPE OF EQUIP: ☒ SEMI END ☐ SEMI BOTTOM ☐ TRANSFER ☐ 10 WHEEL ☐ DBLS.

	HOURS			
	TONS 20.44	APPLICABLE HOURLY RATE		
		RATE IN CENTS PER TON	10.50	214.62
DRIVER'S SIGNATURE				
CUSTOMER'S SIGNATURE		TOTAL		214.62

TERMS: NET 10TH PROX. CONSIGNEE TO PAY ANY LEGAL FEES FOR COLLECTION OF DELIQUENT ACCOUNTS PLUS A SERVICE CHARGE OF 1 1/2% PER MONTH OR 18% PER YEAR WILL BE CHARGE FOR ALL PAST DUE ACCOUNTS.
WE MAKE ALL DELIVERIES INSIDE CURB AND ON LOT AT CUSTOMER'S RISK ONLY AND ACCEPT NO RESPONSIBILITY FOR DAMAGE RESULTING FROM SUCH DELIVERIES.
THIS TAG, WHEN SIGNED, BECOMES A LEGAL BINDING CONTRACT WHETHER SIGNED BY OWNER OR THEIR REPRESENTATIVE.
ALL DUMP TRUCK FREIGHT IS CALCULATED BACK TO THE POINT OF ORIGIN. IN CASE OF HOURLY FREIGHT HOURS CHARGED WILL INCLUDE TRAVEL TIME BACK TO THAT POINT OF ORIGIN.

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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CONTROL NO. 1397003

RECEIVED BY: Larry

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V697	S		17:35

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	1829991	28-Aug-02	ITIS	- 0	MELINDA	9	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT/01-117-05-11

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PRICING		PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
			89	FOB HAULS			33.74	GROSS
							16.37	P.T.
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT		115	3/8 X #4 PEA GRV	17.37	NET TON
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP			TOTAL 186.33 TON	MANUAL WT	
COMMENTS - REMARKS C.O.D.'S			UNIT PRICE	AMOUNT				GROSS
								P.T.
								NET
ORDER TOTAL -			TAX					
			TOTAL					

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

SEP.25'2002 14:58 #0498 P.003/003

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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RECEIVED BY

WEIGHMASTER CERTIFICATE

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CONTROL I.D. NO. 1399470

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
E996	S		05:01

PLANT	TICKET NO.	DATE	ORDER NO.	F.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	1840171	10-Sep-02	ITSI	- 0	RENAE	2	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER'S P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TERMS	
			89	FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
115	3/8 X #4 PEA GRV	37.19	GROSS
		15.60	P.T.
		21.59	NET TON
	TOTAL 43.82 TON	MANUAL WT	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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RECEIVED BY

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CONTROL I.D. NO. 1399559

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
E996	S		08:07

PLANT	TICKET NO.	DATE	ORDER NO.	F.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	1840524	10-Sep-02	ITSI	- 0	RENAE	4	0

CUSTOMER NAME AND NUMBER: 234406 INNOVATIVE TECH SOLUTIONS, INC.

CUSTOMER'S P.O. NUMBER: 011170505

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: HUNTERS POINT

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TERMS	
			89	FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
115	3/8 X #4 PEA GRV	37.44	GROSS
		15.60	P.T.
		21.84	NET TON
	TOTAL 86.63 TON	MANUAL WT	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

ORIGINAL

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES ARE SUBJECT TO VULCAN'S STANDARD TERMS AND CONDITIONS. SHIPPER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE. SHIPPER CONSIGNED TO THE WAY. FUELING, ETC. SHIP. & CONSIGNED TO. SEE REVERSE SIDE FOR HEALTH HAZARD WARNING. UNLOADING REQUIRED.

1396503

PLANT | TICKET NO. | DATE | ORDER NO. | TRUCK NO. | TIME IN | TIME OUT

ON ☒ OFF ☐

CUSTOMER NAME

PROJECT

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TOTAL	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY	
914 1049	1485998					27.74	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN TIME			22.6	NET TON
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TIME			5.14	TARE WT.
COMMENTS, REMARKS, CODES		UNIT PRICE	AMOUNT				GROSS
							TARE
							NET
ORDER TOTAL		TAX					
		TOTAL					

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR KILOGRAMS

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO THE SELLER'S GENERAL TERMS AND CONDITIONS OF SALE. STAND-BY AND/OR DUMPING TIME WILL BE CHARGED AND ENFORCED. DRIVER/OPERATOR PERSONNEL ARE RESPONSIBLE FOR THE ACCURACY OF THE VEHICLE'S DIMENSIONS, THE DRIVER/OPERATOR WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LOAD WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIFORNIA CODE SECTION 1202 X VIII.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNING, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

CONTROL NO. 1398504

TICKET NO.	TRUCK NO.	TIME IN	TIME OUT
50 20	8		10:12

PLANT	DATE	MASTER DEPUTY	LOAD NO.	MILES
13	5-7-03		3	0

DRIVER GROSS AND TARE: ON [X] OFF [ ]

CUSTOMER NAME

CUSTOMER REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.			PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY	
							41.60	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT		115	3/8 X #6 BRP RPV	19.02	TARE
							22.58	NET TON
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP			TOTAL 22.58 TON	MANUAL WT	
	COMMENTS / REMARKS C.O.D.		UNIT PRICE	AMOUNT				GROSS
								TARE
								NET
ORDER TOTAL								
			TOTAL					

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-66 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

77-88 (Rev. 1/02)

PLANT	TICKET NO.	DATE
15		

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	
903644	TWL7475		
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TIME

COMMENTS - REMARKS CODES	UNIT PRICE	AMOUNT
ORDER TOTAL		
TOTAL		

CUSTOMER'S COPY

PRODUCT	DESCRIPTION	QUANTITY	UNIT
		16.18	GROSS
		23.08	NET
			LBS
			MANUAL WT
			TARE
			NET

ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

1346516

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THE VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on the certificate, who is a designated authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1395516

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
1598	D		10:17

PLANT	DATE	ORDER NO.	PLANT TIME	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	5-AUG-03				3	0

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	HEMT	
9036789	11W1685		53	5 8 5 TRUC

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS - C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
	115 3/8 X #4 PEA GRV	39.74	GROSS
		15.46	P.T.
		24.28	NET TON
	TOTAL 104.37 TON		MANUAL WT
			GROSS
			P.T.
			NET

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-48 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

TRUCK I.D. NO.	TRAILER I.D. NO.	TRASER I.D. NO.			PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY	UNIT
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT					
DRIVER NO.	JOB TIME	DELAY TIME						
COMMENTS, REMARKS, C.O.D.'S		UNIT PRICE						
ORDER TOTAL								
		TOTAL						

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

72-55 (Rev. 1/02)

PLANT

ON ☒ OFF ☐

TRUCK NO.	TRAILER NO.	TARE	GROSS	NET
08	116			

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP TIME

COMMENTS/REMARKS	QTY	UNIT PRICE	AMOUNT
ORDER TOTAL			
		TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY

Customer's COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

FREIGHT BILL AND TRANSPORTATION AGREEMENT

2956

CA 72899
EPA ID# CAR000161010
DTSC TRANSPORTER REG # 2314
WBE # 0C960022

A.T.C.

Another Trucking Company
Hazardous Material Transporter
14400 Vancouver St, San Jose, CA 95127

(408) 923-2946
(408) 259-4969 Fax

TRUCK NO. E 31 TRAILER NO. TRACTOR LIC. NO. DATE 8.27.02

DRIVER'S NAME Edwards, Lee HOURLY RATE NOTICE NO. & DATE

CONSIGNOR RECEIVED FROM: J.J. and Monroe Co. CONSIGNEE RECEIVED FROM: TST

POINT OF ORIGIN: 50 Rl Chavez Rd Napa Cty Napa POINT OF DELIVERY: Napa Cty Napa

Napa Cty CA NV 82 6/24

DESCRIPTION AND NATURE OF CONTENTS

DISTANCE BETWEEN POINTS

MANIFEST NO.	BAG NO.	AMOUNT	LOADING HOURS	LOADING DEPART.	UNLOADING ARRIVE	UNLOADING DEPART

DRIVER'S TRUCK NO. E 31 TYPE OF LOADING AT ORIGIN: POWER ☒ HAND ☐ BULKER ☐ OTHER ☐

DRIVER'S TIME SUMMARY: 12 HRS

TIME DRIVER REPORTED FOR WORK: 10 am

TARE WEIGHT

AT STARTING TIME OF LOAD TRIP		STARTING TIME OF ON LOADING OF LAST TRIP		TOTAL TIME INCLUDING RETURN TRIP	
TIME ARRIVED AT DUMP SITE		FINISHED TIME OF UNLOADING TIME OF LAST TRIP		DEDUCTIBLE TIME FOR MEALS OR FAILURE OF CARRIER EQUIPMENT	
TIME ARRIVED AT LAST STOP		FINISHED TIME OF UNLOADING TIME OF LAST TRIP		SUM FOR HOURLY	

REASON FOR DELAY

NET CHARGEABLE TIME

TYPE OF EQUIP: ☒ SEMI END ☐ SEMI BOTTOM ☐ TRANSFER ☐ 10 WHEEL ☐ DOLLY

	HOURS	APPLICABLE HOURLY RATE			
	TONS	RATE IN CENTS PER TON	11 ¢		
DRIVER'S SIGNATURE					
CUSTOMER'S SIGNATURE		TOTAL			

TERMS: NET 30TH PROX. CONSIGNEE TO PAY ANY LEGAL FEES FOR COLLECTION OF DELINQUENT ACCOUNTS PLUS A SERVICE CHARGE OF 1.17% PER MONTH OR 14% PER YEAR WILL BE CHARGE FOR ALL PAST DUE ACCOUNTS.
WE MAKE ALL DELIVERIES INSIDE CURB AND ON LOT AT CUSTOMER'S USE ONLY AND ACCEPT NO RESPONSIBILITY FOR DAMAGE RESULTING FROM SUCH DELIVERIES.
THE TAR WHEN SIGNED BECOMES A LEGAL BINDING CONTRACT WHETHER SIGNED BY OWNER OR THEIR REPRESENTATIVE.
ALL TRUCK PRESENTS CALCULATED BACK TO THE POINT OF ORIGIN. IN CASE OF HOURLY FREIGHT, HOURS CHARGED WILL INCLUDE TRAVEL TIME BACK TO THAT POINT OF ORIGIN

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

77-66 (Rev. 1/02)

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TARE

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS - C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		

TOTAL

CUSTOMER'S COPY

PRODUCT CODE	PRODUCT DESCRIPTIONS	QUANTITY	UNITS
	HEA DRY	21.59	TON
	TOTAL 21.59 TON		

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

Vulcan
Materials Company

Western Division
5200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

PLANT								
5								

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER NO.						
ARRIVE JOB	START UNLOAD	FINISH UNLOAD						
DRIVER NO.	JOB TIME	DELAY TIME						

COMMENTS-REMARKS			
ORDER TOTAL			
TOTAL			

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY	UM
		16.25	PLT
	GRV	21.51	NET
			TON
	TOTL	MANUAL WT	
			DRUM
			PLT
			NET

CUSTOMER'S COPY

* ARE WEIGHED QUANTITIES IN TONS OR KILOGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-68 (Rev. 1/02)

VULCAN Materials Company

Western Division
12200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

RESPONSIBLE EXPORTER ... SHIPPER/CONSIGNOR, IF TRUCK IS AT OWNER IS LIGHT WEIGHT DUE TO OWNER OF EQUIPMENT PUMPING, ETC. ... SEE REVERSE SIDE FOR ... LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE

Witnessed by: Weld

Approved by the Director of Weights and Measures of the California Department of Food and Agriculture

CONTROL NO. 1396906

PLANT	TICKET NO.	DATE	TIME	OPERATOR	PLACE CODE
15		30-Aug-02	1106		0

TRUCK NO.	TRUCK TYPE	TARE IN	TARE OUT
V968	6		1156

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: MELINDA

LOAD NO.	MILES
6	0

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK LEAVES	TARE LEAVES	TARE ARRIVES	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS/REMARKS			AMOUNT
ORDER TOTAL			
		TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		39.39	GROSS
		17.24	P.T.
	115 3/8 X #4 PEA GRV	22.15	NET
			TON
	TOTAL 12/.02 TON		MANUAL WT
			GROSS
			P.T.
			NET

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

RECEIVED BY

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL ID. NO. 1397004

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V868			

PLANT	DATE	ORDER NO.	PJ&C ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	20-Aug-02			MELINDA		

CUSTOMER NAME / CUSTOMER PO. NUMBER / DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		12.94	P.T.
			NET
			TON
			PROBES
			P.T.
			NET

COMMENTS / REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

STAND-BY AND/OR DUMPING TIME [illegible] RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

[illegible] with Section 12700 of Division 5 of the California [illegible] administered by the Division of Measurement [illegible] Department of Food and Agriculture.

CONTROL I.D. NO. 139670

RECEIVED BY: [illegible]

TRUCK NO.	TRUCK TIRE	TARE IN
V868	5	

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.
15		28-AUG-02	1115	- 2	BY RENAE	3

CUSTOMER NAME: [redacted]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	DRIVER
			89 FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		39.42	GROSS
		17.24	P.T.
115	3/8 X #4 PEA GRV	22.18	NET
			TON
	TOTAL 60.94 TON	MANUAL WT	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S.	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

CONTROL NO. 1396657

TRUCK NO. | TRUCK TYPE | TIME IN

LOAD NO.

DRIVER GROSS AND TARE

ON [X] OFF [ ]

MAP REFERENCE

[redacted]

TRUCK TARE	TARE DATE	TARE TIME	TARE TYPE	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*	
						38.99	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN EMPTY			17.24	P.T.
					115 3/8 X 94 PER BRV	21.75	NET
							TON
DRIVER NO.	JOB TIME	TRUCK TIME	TOTAL TRIP		TOTAL 21.75 TON	MANUAL WT	
	COMMENTS/REMARKS						GROSS
							P.T.
							NET
ORDER TOTAL							

TOTAL

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

VULCAN
Materials Company
Western Division
9200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

SEE REVERSE SIDE FOR HEALTH HAZARD WARNING, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE

weighmaster, as certified by a weighmaster, whose signature is on this certificate, who is a registered authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12200) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1396659

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
1687	9		

PLANT						VULCAN MATERIAL & COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
13	[redacted]					G. HANNE		

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	DRIVER I.D. NO.	HAULER			PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
						113 3/8 X #4 PER GRV	33.38	GROSS
							16.37	P.T.
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT				17.01	NET
								TON
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP			TOTAL 38.76 TON	MANUAL	UT
								GROSS
COMMENTS / REMARKS		UNIT PRICE	AMOUNT					P.T.
								NET
ORDER TOTAL								
		TOTAL						

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

7-65 (Rev. 1/02)

Vulcan
Materials Company

Western Div.
2200 San Fernando Rd.
Los Angeles

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DEMURRAGE TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THE MINIMUM/GRADE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY [illegible] OF ANY CHANGES IN GRADE WEIGHT DUE TO CHANGES IN EQUIPMENT [illegible] SEE REVERSE SIDE FOR GENERAL WARRANTIES, LIMITED WARRANTY, WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following specified commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1396630

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
2772	5		14:25

FORM		PRICE ZONE	VULCAN NATURAL COMPANY WEIGHMASTER DENSITY	LOAD NO.	MILES
18	[redacted]	2	MIL TUDE	1.4	0

	DRIVER GROSS AND TARE
[redacted]	ON [X] OFF [ ]
	MAP REFERENCE

TRUCK ARRIVE	TRUCK LEAVE	TIME ON JOB	TIME OFF JOB	TOTAL TIME
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT	
DRIVER NO.	PLANT TIME	HEAVY TIME	TOTAL TRIP	

COMMENTS, DEMURRAGE, ETC.	UNIT PRICE	AMOUNT
ORDER TOTALS		
	TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY	
		20.64	GROSS
		12.60	P.T.
110 3/8 X #4 PEA GRV		20.64	NET
			TON
TOTAL 270.96 TONS		MANUAL WT	
			GROSS
			P.T.
			NET

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

CUSTOMERS COPY

MATERIAL/ASPHALT DELIVERY TICKET

7-86 (Rev. 1/02)

BROWN & SON TRUCKING CO.

22 Bluff View Dr.
San Francisco, CA 94124
(415) 824-2648

No. 0170

CONSIGNEE (DELIVERED): L.T.I.
ADDRESS: Shipyard S.F.
CONSIGNOR (RECEIVED): Vulcan Mat
ADDRESS: Livermore
COMMODITY: Aggregate
Pick Up Point or Origin: Livermore

UNDERLYING CARRIER: Northern Trucking
ADDRESS: S.F.
U.C.N.O.: NO. AXLES: 5 TARE WGT: 32750
TYPE EQUIPMENT: ☐ NO WHEELER ☐ DBL BOTTOM ☐ TRANSFER ☐ SEMI BOTTOM ☐ PUP ☐ SEMI END
RIB NO./DESCRIPTION
Pick Up Point or Destination: S.F.

DATE: 0-3-2 RATE:
TRUCK NO.: C-4 TRAILER NO.:
S M T W T F S
TONS:
LOADS:
TOLLS: HOURS:

NO.	SCALE TAG NO.	YARDS OR WEIGHT	TIMES DRIVER	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE	COMMENTS
1	03-2017, 03-2019, 1149160							
2	03-3916, 21, 1149159							
3	03-3410.75, 03-3410.756							
4								
5								
6								
7								
8								

NO.	MATERIALS	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
9								
10								
11								
12								
13								
14								
15								
16								

9 hrs

REMARKS

START TIME: 600 STOP TIME: 5 30 DEDUCT TIME: NET TIME: HRS.

DRIVER SIGNATURE: Larry

RECEIVED BY: X

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1½% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THE VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN TARE WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B&P CODE SECTION 12700 A (3)

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL LD. NO. 1397935

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
1167	5		1525

PLANT	TICKET NO.	DATE	ORDER NO.	PULL NONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	[illegible]	[illegible]	[illegible]	V	MCLINDA	11	0

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK NO.	TRAILER NO.	DRIVER NO.	PHONE
			249

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		37.18	GROSS
		16.37	TARE
	1/2 3/8 & #4 PEA GRV	20.79	NET
			TON
	TOTAL 249.99 TUN	MANUAL WT	
			GROSS
			TARE
			NET

CUSTOMERS COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-69 (Rev 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF GROSS VEHICLE TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF INCREASE OR CHANGE IN GROSS WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. BUS. & PROF. CODE SECTION 12722 APPLIES.
SEE REVERSE SIDE FOR HEALTH HAZARD WARNING, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was: delivered or received by a weighmaster, whose signature is on this certificate, is a registered authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code and enforced by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO 1397745

PLANT	TICKET NO.	DATE	ORDER NO.	DEL. ZONE	TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
15	[illegible]	[illegible]	[illegible]		1647			09:13

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: [illegible] | LOAD NO. | MILES

CUSTOMER NAME: [illegible] | CUSTOMER PO NUMBER: [illegible] | DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
	115 3/8 X #6 PEA GRV	34.20	GROSS
		16.37	P.T.
		17.83	NET
	TOTAL		TON
		MANUAL WT	
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
TOTAL		

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12700 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is on this certificate, is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1397852

RECEIVED BY

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
VEA7	5		12:14

PLANT	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	03-Sep-02	1178		BY MELINDA	0	0

CUSTOMER NAME OR PERMIT NO. | CONTRACT NO. NUMBER | DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	HOW	
			BY	FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
		54.23	GROSS
		16.07	P.T.
115	3/8 X #4 PER CRU	10.21	NET
			TON
	TOTAL 187.33 TON	MINIMAL ST	
			GROSS
			P.T.
			NET

COMMENTS: REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

BROWN & SON TRUCKING CO.

No. 0171

CONSIGNEE (DELIVERED TO): ITSI
ADDRESS:
CONSIGNOR (RECEIVED): VULCAN
ADDRESS:
COMMODITY: BEACGRAVEL
JOB NO./DESCRIPTION:
Precise Point of Origin: VULCAN, PLEASANTON
Precise Point of Destination: SHIPYARD, S.F.

UNDERLYING CARRIER: NETWORK TRUCKING
ADDRESS:
J.O. NO.
NO. AXLES: 5
TARE WEIGHT: 16.88 TON
TYPE EQUIPMENT: ☐ 10 WHEELER ☐ TRANSFER ☐ DUMP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☑ SEMI END

DATE: 9/14/2000
RATE: 7/10/PIN
TRUCK NO.
TRAILER NO.
S M T (W) T F S
TONS: 45.33
LOADS: 2
TOLLS
HOURS: 6.5

No.	MATERIALS SCALE TAG NO	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS	No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	183992	22.23	6:00	6:25	7:39	7:49		9							
2	183993	23.10	9:34	9:50	11:10	11:25		10							
3								11							
4								12							
5								13							
6								14							
7								15							
8								16							

REMARKS

START TIME: 6:00 STOP TIME: 12:30 DEDUCT TIME: 0 HRS. NET TIME: 6.5

DRIVERS SIGNATURE: WILL

RECEIVED BY: X

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12922 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

RECEIVED BY: Lwill

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured or counted by a weighmaster whose signature is on file with us as a recognized authority of accuracy, as prescribed by Chapter 7 [illegible] with Section 12700 of Division 5 of the California Business and Professions Code administered by the Division of Measurement Standards of the Department of Food and Agriculture.

CONTROL I.D. NO. 1398005

TRUCK NO.	TRUCK TYPE	TARE IN	TARE OUT
9868	5		

PLANT	LOCATION	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIAL & COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	[illegible]	04-[illegible]-02	1195	[illegible]	RONNIE	1	[illegible]

CUSTOMER NAME AND ADDRESS: [illegible]

CUSTOMER P.O. NUMBER: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

PROJECT: [illegible]

MAP REFERENCE:

DELIVERY INSTRUCTIONS: [illegible]

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	[illegible]
			39

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
115	[illegible]	[illegible]	[illegible]
	TOTAL [illegible]	[illegible]	[illegible]

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
TOTAL		

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

RECEIVED BY

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity is measured, or counted by a weighmaster, whose signature is on file or is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 8 of the California Business and Professions Code, administered by the Division of Measurement Standards of the Department of Food and Agriculture.

CONTROL I.D. NO. 1398144

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
V668			

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
19		04-14-07			BENDE		

CUSTOMER NAME AND ADDRESS: [illegible]

CUSTOMER'S P.O. NUMBER: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRUCK	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
			65		FOB HAUL	[illegible]	GROSS
						[illegible]	TARE
				115	370 X 84 PER BRV	[illegible]	NET
							TON
					TOTAL 66.68 TON	MINIMUM	[illegible]

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0412

CONSIGNED TO (DELIVERED TO): INNOVATIVE TECH SO
ADDRESS: HUNTERS POINT SF
CONSIGNOR (RECEIVED): VULCAN
ADDRESS: PLEASANTON
COMMODITY: SRV
JOB NO./DESCRIPTION:
Practice Point of Origin: PLEASANTON
Practice Point of Destination: SF

UNDERLYING CARRIER: LARRY WILLIAMS
ADDRESS: 655 MISE ST SF
UNIT NO.:
NO. AXLES: 5
TARE WEIGHT:
TYPE EQUIPMENT: ☐ 4TO WHEELER ☐ DBL BOTTOM ☐ TRANSFER ☐ SEMI BOTTOM ☐ PUP ☒ SEMI END

DATE: 7-4-200 RATE: $10.00 TON
TRUCK NO.: 548 TRAILER NO.: JH 1
S M T W T F S
TONS:
LOADS:
TOLLS: HOURS:

No	MATERIALS: SCALE TAG NO.	MATERIALS: YARDS OR WEIGHT	LOADING: TIME ARRIVE	LOADING: TIME LEAVE	UNLOADING: TIME ARRIVE	UNLOADING: TIME LEAVE	P.O. # OR COMMENTS
1	1934558				21.35		7 TONS
2	1935101				21.42		
3							
4							
5							
6							
7							
8							

No	MATERIALS: SCALE TAG NO.	MATERIALS: YARDS OR WEIGHT	LOADING: TIME ARRIVE	LOADING: TIME LEAVE	UNLOADING: TIME ARRIVE	UNLOADING: TIME LEAVE	P.O. # OR COMMENTS
9							
10							
11							
12		42.77			TONS		
13							
14							
15							
16							

REMARKS

START TIME: STOP TIME: DEDUCT TIME: NET TIME: HRS.

DRIVERS SIGNATURE: Larry Williams

RECEIVED BY: X

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1 1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B.&P. CODE SECTION 12700 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is on file, is a recognized authority of accuracy, as prescribed by Chapter 9 with Section 12700 of Division 5 of the California Business and Professions Code administered by the Division of Measurement Standards of the Department of Food and Agriculture.

CONTROL I.D. NO. 1398143

MATERIAL/ASPHALT DELIVERY TICKET

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE
15	[illegible]	04-[illegible]-01	[illegible]	

REDEMED BY

TRUCK NO.	TRUCK TYPE	TIME IN	TARE
[illegible]	[illegible]		[illegible]

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: [illegible]

LOAD NO.	MILES
[illegible]	

CUSTOMER PURCHASE ORDER NUMBER: [illegible]

CUSTOMER NAME: [illegible]

CUSTOMER ADDRESS: [illegible]

DELIVERY INSTRUCTIONS: [illegible]

CUSTOMER ID NUMBER: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PRIME
			[illegible]

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL [illegible] TON	[illegible]	[illegible]

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-66 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS; EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. BUS. & PROF. CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING REPORT.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is affixed, who is a recognized authority of accuracy, as prescribed by Chapter 9 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1398289

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
E996	6		

PLANT	TICKET NO.	DATE	DRIVER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	AXLES
15	[illegible]	04-Sep-02	1791		MEL (ND)		

CUSTOMER NAME AND PLACE: [illegible]

CUSTOMER'S NUMBER: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE:

DELIVERY INSTRUCTIONS: [illegible]

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
			89	FOB HAUL		
			110	3/8 X #4 PEA GRV	[illegible]	GROSS [illegible] TARE [illegible] NET [illegible]
				TOTAL 68.10 TUN	[illegible]	GROSS [illegible] TARE [illegible] NET [illegible]

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS : REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-85 (Rev. 1/02)

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a Weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1398851

RECEIVED BY: L. Rinke

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
6987	5		07:16

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	1031[illegible]	06-Sep-06	1151		RENNE	2	71

CUSTOMER NAME AND NUMBER: [illegible] INDUSTRIES [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB LOCATION: FUNERIN, FOUNT

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	FROM	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
			89		FOB HAUL	39.30	GROSS
ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT	115	3/8 X #4 PEA GRV	17.52	P.T.
						21.03	NET TON
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP		TOTAL 41.56 TON	MANUAL WT	
							GROSS
							P.T.
							NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 19722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1398979

...ton
...ials Company
...estern Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

RECEIVED BY

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
6987	8		1 [illegible]

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER ON DUTY	LOAD NO.	MILES
16	[illegible]	07-Sep-02	[illegible]		RENAE	3	10

DRIVER GROSS AND TARE: ON [X] OFF [ ]

CUSTOMER NO. AND NUMBER: [illegible] TRINITY [illegible]

MAP REFERENCE

HUNTER'S POINT

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRUCK	
			89	FOB HAUL S

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
115	3/8 X #4 PEA GRV	20.44	GROSS
		12.92	P.T.
		20.44	NET TON
	TOTAL 62.50 TON	MANUAL	GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

CUSTOMER'S COPY

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

ucan
als Company
Western Division
2000 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

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CONTROL I.D. NO. 1398768

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
0587	S		0[illegible]

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: [illegible]

LOAD NO.	MILES
1	0

RECEIVED BY: [illegible]

PLANT	FORM NO.	DATE	ORDER NO.	P.U.C. ZONE
[illegible]	[illegible]	06 [illegible]	1151	

BY: RAMIR

CUSTOMER'S REPRESENTATIVE: [illegible]

DRIVER CROSS AND TARE: ON [X] OFF [ ]

CUSTOMER NAME AND NUMBER: [illegible]

JOB ADDRESS: [illegible]

MAP REFERENCE:

DELIVERY INSTRUCTIONS: DUNTEGAS POINT

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TARE
			09

FUEL GALS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
[illegible]	1.5 3/8 X #4 PER GRV	27.25	GROSS
		17.52	P.T.
		10.73	NET
			TON
	TOTAL 10.73 TON	MANUAL	WT
			GROSS
			P.T.
			NET

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
	TAX	
ORDER TOTAL		
	TOTAL	

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

CUSTOMER'S COPY

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

CONTROL I.D. NO. 1399096

Vulcan Materials Company

Vulcan Division

5200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

MATERIAL/ASPHALT DELIVERY TICKET

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
[illegible]	[illegible]	[illegible]	[illegible]

LOAD NO.	MILES
[illegible]	[illegible]

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY

BY MEL LINDA

PLANT	TICKET NO.	DATE	ORDER NO.	PUC ZONE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CUSTOMER PO NUMBER	DRIVER GROSS AND TARE
[illegible]	ON ☒ OFF ☐

MAP REFERENCE

CUSTOMER NAME AND NUMBER

[illegible] INNOVATIVE TECH SOLUTIONS INC

ADDRESS

[illegible]

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	CENTER
			[illegible]

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
[illegible]	[illegible]	[illegible]	[illegible]

COMMENTS - REMARKS C.O.D.'S

UNIT PRICE	AMOUNT

TAX

ORDER TOTAL

TOTAL

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-55 (Rev. 1/02)

BROWN & SON TRUCKING CO.

2 USER VIEW DR
San Francisco, CA 94124
(415) 642-3645

No. 0414

CONSIGNEE (DELIVERED TO): INNOVATIVE FOOD SERVICE
ADDRESS: HUNTERS POINT
CONSIGNOR (RECEIVED FROM): VULCAN
ADDRESS: PERSHTON
COMMODITY: GRV
JOB NO./DESCRIPTION:
Precise Point of Origin:
Precise Point at Destination:
APPROVED BY: [redacted] 65 PAGE ST SE
NO. AXLES: 5
TARE WEIGHT:
TYPE EQUIPMENT: ☐ 10 WHEELER ☐ DEL BOTTOM ☐ TRANSFER ☐ SEMI BOTTOM ☒ DMP. ☐ SEMI END
Date: 9 9 Log No.: 10:00 Time: TPM
TRUCK NO.: 528 TRAILER NO.: 511
S ☒ M T W T F S
TONS
LOADS
TOLLS
HOURS

MATERIALS			LOADING		UNLOADING		P.O. # OR COMMENTS
NO.	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE	
1	183941			24.27			TONS
2	183943						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

44.56 TONS

REMARKS

START TIME:
STOP TIME:
DEDUCT TIME:
NET TIME HRS.
DRIVERS SIGNATURE:
RECEIVED BY: X
INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1.42% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SUPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. BUSINESS & PROFESSIONS CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is on file with a recognized authority of accuracy, as prescribed by Chapter 9 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the Department of Food and Agriculture.

CONTROL I.D. NO. 1399327

MATERIAL/ASPHALT DELIVERY TICKET

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE	TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
15	[redacted]	09 [illegible] 02	[illegible]		6996			

CUSTOMER NAME AND NUMBER: [redacted]

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: [illegible]

LOAD NO. | MILES

CUSTOMER P.O. NUMBER

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
145	3/8 X #4 PEA GRAVEL	[illegible]	[illegible]
	TOTAL 34.89 TON	[illegible]	[illegible]

COMMENTS - REMARKS C.O.D.'S

UNIT PRICE	AMOUNT
ORDER TOTAL	
TAX	
TOTAL	

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-65 (Rev. 1/02)

Vulcan
Materials Company
Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. WHENever RECEIVED SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE WEIGHT OF THE VEHICLE. SHIPPER/CONSIGNOR IS THE SOLE PARTY WHO CAN CHANGE, WITHDRAW OR DIVERT SHIPMENT. THE DRIVER/CARRIER WILL NOTIFY FUEL, ETC. CALL B & K CHARGE ACCOUNTS AT 213 [illegible]
SEE REVERSE SIDE FOR FULL DETAILS OF WARRANTY, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is on file with a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 8 of the California Business and Professions Code, administered by the Division of Measurement Standards of the Department of Food and Agriculture.

CONTROL I.D. NO. 1399416

PLANT	DISPATCH	DATE	ORDER NO.	DELIV. ZONE	TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
18	[redacted]	09-Sep-02	[redacted]		E996	9		1410

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
RENNIE	1	0

DRIVER GROSS AND TARE
ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	PLANT
			89 FOB HAULS

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS - C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
	TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
	115 3/4 X #4 DEA-GRU	38.04	GROSS
		15.43	P.T.
		22.61	NET
	TOTAL 1997.5 LOT	MANIFOLD WT	TON
			GROSS
			P.T.
			NET

CUSTOMER'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev.1/02)

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STANDBY AND/OR DUMPING TIME WILL BE CHARGED, AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is on this certificate, is a recognized authority of accuracy, as prescribed by Chapter 7 (com, with Section 12700) of Division 5 of the California Business and Professions, administered by the Division of Measurement Standards of the Cal. Department of Food and Agriculture

CONTROL I.D. NO. 1399393

1839774

TRUCK NO	TRUCK TYPE	TIME IN	TIME OUT

LOAD NO.	MILES

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY

PLANT	TICKET NO	DATE	RECDVD BY	ORDER NO.	P.U.C. ZONE

BY

CUSTOMER P.O. NUMBER

DRIVER GROSS AND TARE ON [X] OFF [ ]

CUSTOMER NAME AND NUMBER

MAP REFERENCE

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	"BETWEEN"

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

INSPECTOR'S COPY

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

1839233

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 2722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity w measured, or counted by a weighmaster, whose signature is on this cer is a recognized authority of accuracy, as prescribed by Chapter 7 (co with Section 12700) of Division 5 of the California Business and Professio administered by the Division of Measurement Standards of the C Department of Food and Agriculture

CONTROL I.D. NO. 1397304

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT

RECEIVED BY

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY

LOAD NO. | MILES

PLANT	TICKET NO.	DATE	ORDER NO.	P.U.C. ZONE

BY

CUSTOMER'S O. NUMBER

DRIVER GROSS AND TARE ON [X] OFF [ ]

CUSTOMER NAME AND NUMBER

MAP REFERENCE

JOB ADDRESS

DELIVERY INSTRUCTIONS

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRUCK

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

INSPECTOR'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

1838504

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. (CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

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CONTROL NO. 1399167

RECEIVED BY	TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT

PLANT	TICKET NO.	DATE	ORDER NO.	P.W.C. ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
					BY		

CUSTOMER NAME AND NUMBER: [illegible]

CUSTOMER'S P.O. NUMBER: [illegible]

DRIVER GROSS AND TARE: ON [X] OFF [ ]

JOB ADDRESS: ROUTE 24 PLANT

MAP REFERENCE:

DELIVERY INSTRUCTIONS:

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	"PAINT"

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *
[illegible]	[illegible]	[illegible]

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL -	TAX	
	TOTAL	

INSPECTOR'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division

3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED AS EVIDENCED BY SIGNATURE. DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12792 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity, measured, or counted by a weighmaster, whose signature is on this c is a recognized authority of accuracy, as prescribed by Chapter 7 o with Section 12700 of Division 5 of the California Business and Profess administered by the Division of Measurement Standards of the Department of Food and Agriculture.

1838653

CONTROL I.D. NO. 1397219

PLANT	TICKET NO.	DATE	ORDER NO.	AVG. ZONE	TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT

CUSTOMER NAME AND NUMBER

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY BY

LOAD NO. | MILES

CUSTOMER'S P.O. NUMBER

JOB ADDRESS

DRIVER GROSS AND TARE ON [X] OFF [ ]

DELIVERY INSTRUCTIONS

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	SCALE

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS C.O.D.'S

	UNIT PRICE	AMOUNT
ORDER TOTAL -		
	TAX	
TOTAL		

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	

INSPECTOR'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-85 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

ALL SALES AND DELIVERIES MADE SUBJECT TO VULCAN'S GENERAL TERMS AND CONDITIONS. EXCESS STAND-BY AND/OR DUMPING TIME WILL BE CHARGED. AS EVIDENCED BY SIGNATURE, DRIVER/CARRIER IS RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT. THE DRIVER/CARRIER WILL NOTIFY SHIPPER/CONSIGNOR IF THERE IS ANY CHANGE IN LIGHT WEIGHT DUE TO CHANGES IN EQUIPMENT, FUELING, ETC. CALIF. B & P CODE SECTION 12722 A & B.

SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is on file and is a recognized authority of accuracy, as prescribed by Chapter 9 of with Section 12700 of Division 5 of the California Business and Professions administered by the Division of Measurement Standards of the Department of Food and Agriculture.

1840378

CONTROL I.D. NO. 1399524

PLANT	TICKET NO.	RECEIVED BY	DATE	ORDER NO.	P.W.C. ZONE
15			11-[illegible]-02	11016	

TRUCK NO.	TRUCK TYPE	TIME IN	TIME OUT
1587	5		0:[illegible]

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: [illegible]

LOAD NO. 3 | MILES 0

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

MATERIAL/ASPHALT DELIVERY TICKET

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
	[illegible]	[illegible]	

COMMENTS - REMARKS C.O.D.'S

	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
TOTAL		

INSPECTOR'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was measured, or counted by a weighmaster, whose signature is on this ticket, is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 8 of the California Business and Professions Code, administered by the Division of Measurement Standards of the Department of Food and Agriculture.

CONTROL I.D. NO.: 1399456

184 0/4

PLANT	TICKET	RECEIVED BY	DATE	ORDER NO.	PLUS ZONE	VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY	LOAD NO.	MILES
15	[redacted]		10-14-06			RENE	1	0

TRUCK NO.	TARE TYPE	TIME IN	TIME OUT
0587	S		0

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	HR.
			09

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT

DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL	TAX	
	TOTAL	

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY *	
	FOB HAUL 5	39.75	GROSS
		17.52	TARE
	115 3/8 X #4 PEA GRV	22.23	NET TON
	TOTAL 22.23 TON	GRANDTOTAL NET	
			GROSS
			TARE
			NET

INSPECTOR'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

Vulcan
Materials Company

Western Division
3200 SAN FERNANDO ROAD
LOS ANGELES, CA 90065

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SEE REVERSE SIDE FOR HEALTH HAZARD WARNINGS, LIMITED WARRANTY, WARRANTY DISCLAIMER AND UNLOADING RELEASE.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was measured, or counted by a weighmaster, whose signature is [illegible] is a recognized authority of accuracy as prescribed by Chapter [illegible] with Section 12700 of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the Department of Food and Agriculture.

1841005

CONTROL I.D. NO. 1399649

PLANT	TICKET	DATE	ORDER NO.	P.U.C. ZONE	TRUCK NO.	TRUCK TYPE	TIME IN
13		10-Sep-02	1781		0587	3	

VULCAN MATERIALS COMPANY WEIGHMASTER DEPUTY: REHAE

LOAD NO. 3

DRIVER GROSS AND TARE: ON [X] OFF [ ]

MAP REFERENCE

TRUCK I.D. NO.	TRAILER I.D. NO.	TRAILER I.D. NO.	

ARRIVE JOB	START UNLOAD	FINISH UNLOAD	RETURN PLANT
DRIVER NO.	JOB TIME	DELAY TIME	TOTAL TRIP

COMMENTS - REMARKS C.O.D.'S	UNIT PRICE	AMOUNT
ORDER TOTAL		
	TAX	
TOTAL		

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY*
	115 3/8 X #4 PEA GRV	17.32 P.T. 17.82 NET
	TOTAL 18.45 TON	TON HAUL #1
		GROSS P.T. NET

MATERIAL/ASPHALT DELIVERY TICKET

77-65 (Rev. 1/02)

INSPECTOR'S COPY

* ALL WEIGHED QUANTITIES IN TONS OR MEGAGRAMS.

PC #2
Sand

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Sand Log

Material: Angel Island Sand

		Date (DD/MM/YY)	Weight Ticket	Sand (ton)	Hauler	
1	1	5-Sep	657723	22.11	Brown & Sons	
2	2	5-Sep	657739	23.33	Brown & Sons	
3	3	5-Sep	657759	23.75	Brown & Sons	
4	4	5-Sep	657770	23.3	Brown & Sons	[redacted]
5	1	10-Sep	657989	22.45	Brown & Sons	
6	2	10-Sep	658004	21.16	Brown & Sons	
7	3	10-Sep	658014	20.73	Brown & Sons	
8	4	10-Sep	658017	22.64	Brown & Sons	
9	5	10-Sep	658024	26.10	Brown & Sons	
10	6	10-Sep	658025	22.20	Brown & Sons	
11	7	10-Sep	658032	26.91	Brown & Sons	
12	8	10-Sep	658034	27.16	Brown & Sons	[redacted]
13	1	11-Sep	658073	22.14	Brown & Sons	
14	2	11-Sep	658079	21.99	Brown & Sons	
15	3	11-Sep	658089	20.82	Brown & Sons	
16	4	11-Sep	658095	20.18	Brown & Sons	[redacted]
17	1	12-Sep	658134	21.93	Brown & Sons	
18	2	12-Sep	658140	21.64	Brown & Sons	
19	3	12-Sep	658144	21.15	Brown & Sons	
20	4	12-Sep	658152	21.21	Brown & Sons	[redacted]
21	1	16-Sep	658322	22.75	Brown & Sons	
22	2	16-Sep	658325	26.54	Brown & Sons	
23	3	16-Sep	658328	22.98	Brown & Sons	
24	4	16-Sep	658331	27.70	Brown & Sons	
25	5	16-Sep	658336	22.90	Brown & Sons	
26	6	16-Sep	658339	27.17	Brown & Sons	
27	7	16-Sep	658340	22.81	Brown & Sons	
28	8	16-Sep	658342	28.22	Brown & Sons	
29	9	16-Sep	658349	22.07	Brown & Sons	[redacted]
30	1	17-Sep	679405	26.16	Brown & Sons	
31	2	17-Sep	679406	21.94	Brown & Sons	
32	3	17-Sep	679420	26.61	Brown & Sons	
33	4	17-Sep	679421	22.59	Brown & Sons	
34	5	17-Sep	679434	28.51	Brown & Sons	
35	6	17-Sep	679435	23.27	Brown & Sons	
36	7	17-Sep	679454	25.59	Brown & Sons	
37	8	17-Sep	679455	22.66	Brown & Sons	[redacted]
38	1	2-Oct	680508	23.24	Brown & Sons	
39	2	2-Oct	680522	24.17	Brown & Sons	[redacted]
				920.78		

- 873.37 mod 06

47.41 × $25 = $1,185.25 to add

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 990 Pleasanton, CA 94553
Tel 925 846 8000

TICKET NUMBER 657723

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT LOCATION WEIGHED AT (SEE BACK)

WEIGHMASTER NUMBER | T NO. | A.C. % | F.O.B.*

SOLD TO

JOB:

LOCATION

DATE | TIME | C. NO.

		HAULER	TRUCK NO.
GROSS	lbs / kg		
TARE	lbs / kg		
NET	lbs / kg	TONS / Mton	PRODUCT CODE

TRAILER LICENSE NO.

CASH SALE ONLY

PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL			

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 990 Pleasanton, CA 94566
Tel 925 846 8000

TICKET NUMBER 657739

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

HLG. PLT. LOCATION WEIGHED AT (SEE BACK)

WEIGHMASTER NUMBER | T NO. | A.C. % | F.O.B.*

SOLD TO

JOB:

LOCATION:

DATE | TIME | C. NO.

		HAULER	TRUCK NO.
GROSS	lbs / kg	CREDIT	
TARE	lbs / kg		
NET	lbs / kg	TONS / Mton	PRODUCT CODE

TRAILER LICENSE NO

CASH SALE ONLY

PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL			

TRAILER LICENSE NO

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

Credit Card

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 880, Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
657759

[redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLONDY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

[redacted] CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT: SAN FRAN 122200 (SEE BACK)

WEIGHMASTER NUMBER: T.NO. 657759 A.C.% F.O.B.# 17000

SOLD TO: CASH-SAN FRAN CREDIT
PO# 220197
P/U CREDIT CARD 002

JOB: ARVIND/ITSI COMPANY Load 3

LOCATION:

DATE 03/05/02 TIME 13:50 C. NO. 0500

GROSS	78500 lbs/kg	HAULER: CREDIT	TRUCK NO. 200115
TARE	31000 lbs/kg	* Manual Weight	
NET	47500 lbs/kg	23.75 Tons/Mton	PRODUCT CODE: Tons 133

CASH SALE ONLY

PRODUCT	314.69	PER TON 13.25	TRAILER LICENSE NO.
HAUL	0.00	PER TON 0.00	TRAILER LICENSE NO.
SUB TOTAL	26.75	PAYMENT REC. BY	
TAX	341.44	8.500% 69.19 Tons	* F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL			

WARNING ON BACK

Credit Card

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 880, Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
657770

[redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLONDY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

[redacted] CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT: SAN FRAN 122200 (SEE BACK)

WEIGHMASTER NUMBER: T.NO. 657770 A.C.% F.O.B.# 17000

SOLD TO: CASH-SAN FRAN CREDIT
PO# # 516423
P/U CREDIT CARD 002

JOB: ARVIND/ITSI COMPANY Load 4

LOCATION:

DATE 03/05/02 TIME 14:39 C. NO. 0500

GROSS	77600 lbs/kg	HAULER: CREDIT	TRUCK NO. 2001
TARE	31000 lbs/kg	* Manual Weight	
NET	46600 lbs/kg	23.30 Tons/Mton	PRODUCT CODE: Tons 133

CASH SALE ONLY

PRODUCT	308.75	PER TON 13.25	TRAILER LICENSE NO.
HAUL	0.00	PER TON 0.00	TRAILER LICENSE NO.
SUB TOTAL	26.24	PAYMENT REC. BY	
TAX	334.97	8.500% 68.49 Tons	* F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL			

WARNING ON BACK

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 560 Pleasanton, CA 94566
Tel. 925 846 0600

TICKET NUMBER
657989

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK X

REG. PLT. LOCATION WEIGHED AT San Fran 122200 (SEE BACK)

WEIGHMASTER NUMBER T.N. 657989 A.C. % F.O.B. *

SOLD TO. INNOVATIVE TECHNICAL 41437
PO#

JOB. HUNTERS POINT SHIPYA 001
Load 1

LOCATION.

DATE 09/10/02 TIME 10:55 C. NO. 3055

		HAULER	TRUCK NO.
GROSS	75880 lbs/kg	LARRY W	8645
TARE	30980 lbs/kg	* Manual Weight	
NET	44900 lbs/kg	22.45 TONS Tons	133

PRODUCT CODE

TRAILER LICENSE NO

TRAILER LICENSE NO

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		22.45 Tons

FORM 1050-HAMP (rev. 02-96)

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 · Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
658004

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY, DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT: San Fran 122200 (SELL BACK)

WEIGHMASTER NUMBER | TKT 658004 | A.C. % | F.O.B. #

SOLD TO: INNOVATIVE TECHNICAL 41437
PO#

JOB: HUNTERS POINT SHIPYA 001

LOCATION: ACCOUNT OK PER SANDY Load 2

DATE 09/10/02 | TIME 12:06 | C. NO. 3055

	lbs	HAULER	TRUCK NO.
GROSS	73300 lbkg	LARRY W	8645
TARE	30980 lbkg	* Manual Weight	
NET	42320 lbkg	21.16 Tons	PRODUCT CODE 133

CASH SALE ONLY			
PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO
SUB TOTAL		PAYMENT REC. BY	
TAX			* F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL		43.61 Tons	

WARNING ON BACK

FORM 1000-HAMP (rev. 03-00)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 590 - Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
658014

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
RETAIN FOR YOUR RECORDS

DEPUTY

RECEIVED BY
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLY. LOCATION WEIGHED AT San Fran 122200

WEIGHMASTER NUMBER

T NO. 658014

A.C. % (SEE BACK)

F.O.B. *

SOLD TO. INNOVATIVE TECHNICAL 41437
PO#

JOB: HUNTERS POINT SHIPYA 001

LOCATION: load 3

DATE 09/10/02 TIME 13:01 C. NO. 3055

GROSS	72440 lb kg lbs	HAULER LARRY W	TRUCK NO 8645
TARE	30980 lb kg lbs	* Manual Weight	
NET	41460 lb kg	20.73 tons	PRODUCT CODE* 133

TONS

TRAILER LICENSE NO.

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		64.34 Tons

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

FORM 1230-HAMP (rev. 03-00)

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 · Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
658017

[redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

[redacted]

RETAIN CUSTOMER COPY

RECEIVED BY: X

TRUCKER SIGNATURE

$1

CHECK IF DRIVER IN TRUCK

REG. PL1: LOCATION WEIGHED AT: San Francisco

(SEE BACK)

WEIGHMASTER NUMBER | T NO. 658017 | A.C. % | F.O.B. #

SOLD TO: INNOVATIVE TECHNICAL 41437

PO#

JOB: HUNTERS POINT SHIPYA 001

LOCATION:

DATE 03/18/02 | TIME 1:50P | C. NO. 30150

GROSS	40440 lbs kg	HAULER D & W T	TRUCK NO. 7418
TARE	35160 lbs kg	* Manual Weight	PRODUCT CODE
NET	5280 lbs kg	TONS 2.64	TRAILER LICENSE NO.

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			* F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL		26.40 Tons	

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 560 · Pleasanton CA 94566
Tel 925 846 8800

TICKET NUMBER
658024

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLIDAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

RCD. PLT LOCATIONS WEIGHED AT: San Fran 122200 (SEE BACK)

WEIGHMASTER NUMBER: TKT 658024 A/C # F.O.B. #

SOLD TO: INNOVATIVE TECHNICAL 41437
PO#

JOB: HUNTERS POINT SHIPYA 001
LOCATION Load 5

DATE 09/10/02 TIME 13:57 C. NO. 3050

GROSS	87360 lbs kg	HAULER D & W T	TRUCK NO. 7418
TARE	35160 lbs kg	* Manual Weight	
NET	52200 lbs kg	26.10 TONS	PRODUCT CODE 133

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO.
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL		13.08 Tons	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 500 · Pleasanton, CA 94566
Tel 925 846 8000

TICKET NUMBER

658025

PRODUCT CODE
[redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
RETAIN FOR YOUR RECORDS

DEPUTY

RECEIVED BY X Tony D Williams
TRUCKER SIGNATURE

ST

CHECK # DRIVER IN TRUCK

REG. PLT LOCATION WEIGHED AT San Fran
WEIGHMASTER NUMBER 122200 (SEE BACK)
TKT 658025 A.C. % F.O.B. #

SOLD TO: INNOVATIVE TECHNICAL 41437
PO#

JOB. HUNTERS POINT SHIPYA 001
LOCATION: Load 6

DATE 09/10/02 TIME 14:05 C.NO 3055

GROSS	75380 lb kg lbs	HAULER LARRY W	TRUCK NO. 8645
TARE	30980 lb kg lbs	* Manual Weight	
NET	44400 lb kg lbs	22.20 Tons	PRODUCT CODE 133

TRAILER LICENSE NO

TRAILER LICENSE NO.

CASH SALE ONLY		
PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC BY
TAX		
TOTAL	135.28 Tons	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1060-HAMP (Rev. 05-98)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 803 Pleasanton, CA 94566
Tel 925 845 8300

TICKET NUMBER
658032

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X

TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REC. PLT. LOCATION WEIGHED AT San Fran 132200 (SEE BACK)

WEIGHMASTER NUMBER | TKT 658032 | A.C. % | F.O.B. #

SOLD TO INNOVATIVE TECHNICAL 41437

PO#

JOB HUNTERS POINT SHIPYA 001

LOCATION Load 7

DATE 09/10/02 | TIME 14:36 | C.NO. 3050

GROSS	88980 lbs/kg	HAULER D & W T	TRUCK NO. 7418
TARE	35160 lbs/kg	* Manual Weight	
NET	53820 lbs/kg	26.91 TONS/Metric Tons	PRODUCT CODE 133

CASH SALE ONLY			
PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO.
SUB TOTAL		PAYMENT REC. BY	
TAX			* F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL		162.19 Tons	

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 690 - Oregon City, CA 95966
Tel 916 846 8200

TICKET NUMBER
658034

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT San Fran 122200 (SEE BACK)

WEIGHMASTER NUMBER | TARE 658034 | A.C. % | F.O.B.*

SOLD TO: INNOVATIVE TECHNICAL 41437
PDM

JOB: HUNTERS POINT SHIPYA 001

LOCATION: Load 5

DATE 09/10/02 | TIME 15:19 | C.NO. 3050

GROSS	89480 lbs / kg	HAULER D & W T	TRUCK NO. 741A
TARE	25160 lbs / kg	* Manual Weight	
NET	64320 lbs / kg	27.16 Tons	PRODUCT CODE 133

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO.
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL		189.35 Tons	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 Pleasanton, CA 94566
Tel. 925 846 8800

TICKET NUMBER
658073

PRODUCT CODE EXPLANATION
Sand
Gravel
Base
Soil Base
Crushed Rock
Washed Rock
Other Rock

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT San Fran 122200 (SEE BACK)

WEIGHMASTER NUMBER 658073 T NO. A.C. % F.O.B.* 41437

SOLD TO: INNOVATIVE TECHNICAL
PO# SAN FRAN
P/U HUNTER'S POINT P 001
Load 1

JOB. 3055

LOCATION

DATE 09/11/02 TIME 09:26 C. NO

GROSS	75260 lb kg	HAULER LARRY W	TRUCK NO. 8645
TARE	30980 lb kg	* Manual Weight	
NET	44280 lb kg	22.14 Tons	PRODUCT CODE 133

TRAILER LICENSE NO.

CASH SALE ONLY

PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX		22.14 Tons	
TOTAL			

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

FORM 105C-HAMP (Rev. 07-00)

WARNING ON BACK

CUSTOMER COPY - 1

Hanson

Hanson Aggregates Mid-Pacific, Inc.
P.O. Box 995, Pleasanton, CA 94566
Tel. 925 846 8000

TICKET NUMBER
658079

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY

RETAIN FOR YOUR RECORDS

RECEIVED BY TRUCKER SIGNATURE

REG. PLT. LOC. WEIGHED AT: San Fran 122200

WEIGHMASTER NUMBER: 658079

SOLD TO: INNOVATIVE TECHNICAL

PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION

DATE 09/11/02 TIME 10:23 Load 2

GROSS	74960 lb lbs kg	HAULER LARRY W	D NO 3055	TRUCK NO. 8645
TARE	30980 lb lbs kg	* Manual Weight		
NET	43980 lb lbs kg 21.99 tons		PRODUCT CODE ons 133	

CHECK IF DRIVER IN TRUCK

ST

(SEE BACK)

A.C. % F.O.B. # 41437

CASH SALE ONLY

PRODUCT		
HAUL		PER TON
SUB TOTAL		PER TON
TAX		PAYMENT REC. BY
TOTAL		44.13 Tons

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT 1 = PLANT 2 = JOB SITE

WARNING ON BACK

FORM 1050-HAMP (rev. 12-00)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 560 Pleasanton CA 94566
Tel 925 849 0600

TICKET NUMBER
658089

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 6 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REC. PLT. LOCATION WEIGHED AT San Fran 122200

(SEE BACK)

WEIGHMASTER NUMBER 658089 T.N.O. A.C. % F.O.B. #

SOLD TO INNOVATIVE TECHNICAL 41437
PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION: Load 3

DATE 09/11/02 TIME 11:40 U. NO 3055

GROSS	72620 lbs/kg	HAULER LARRY W	TRUCK NO. 8645
TARE	30980 lbs/kg	* Manual Weight	
NET	41640 lbs/kg	20.82 Tons/Mtons	PRODUCT CODE Tons 133

TRAILER LICENSE NO.

TRAILER LICENSE NO.

CASH SALE ONLY		
PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC BY
TAX		
TOTAL		64.95 Tons

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1050-HANW (REV. 12-00)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 560 - Martinez, CA 94553
Tel 925 946 9500

TICKET NUMBER
658095

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

MEG PLT. LOCATION WEIGHED AT San Fran 122200

(SEE BACK)

WEIGHMASTER NUMBER 658095 T NO. A.C.% F.O.B.*

SOLD TO INNOVATIVE TECHNICAL 41437
PO# SAN FRAN
JOB P/U HUNTER'S POINT P 001
Load 4

LOCATION:

DATE 09/11/02 TIME 12:38 D NO 3055

GROSS	71340 lb kg lbs	HAULER LARRY W	TRUCK NO. 8645
TARE	30980 lb kg lbs	* Manual Weight	
NET	40360 lb kg lbs	20.18 Tons Mon	PRODUCT CODE Tons 133

CASH SALE ONLY		
PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		85.13 Tons

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1059-HAMP (Rev. 03-00)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 Friedrichs, CA 95555
Tel 925 646 6600

TICKET NUMBER
658134

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY x Will
TRUCKER SIGNATURE

ST

☒ CHECK IF DRIVER IN TRUCK

REC. PLT. LOCATION WEIGHED AT San Fran 122200 (SEE BACK)

WEIGHMASTER NUMBER 658134 T NO. A.C.S. F.O.B. #

SOLD TO: INNOVATIVE TECHNICAL 41437
PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION Load 1

DATE 09/12/02 TIME 09:13 C. NO. 3055

GROSS	78640 lbs/kg	HAULER NETWORK	TRUCK NO. 8872
TARE	34780 lbs/kg	* Manual Weight	
NET	43860 lbs/kg	21.93 TONS/Mton	PRODUCT CODE Tons 133

CASH SALE ONLY			
PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL		21.93 Tons	

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

FORM 1086-HAMP (rev. 05-00)

WARNING ON BACK

Shipping

PO. # OR
COMMENTS

13 TONS

CUSTOMER COPY

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 530 Livermore CA 94550
Tel 925 846 4910

TICKET NUMBER
658140

PRODUCT CODE EXPLANATION
1 Sand
2 Gravel
3 Rock
4 Sub Base
5 Road Base
6 Crushed Rock
7 Rock Products
8 Other Non-Tax
9 Other Tax

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
RETAIN FOR YOUR RECORDS — DEPUTY

RECEIVED BY TRUCKER SIGNATURE X Will

ST

REG PLT LOCATION WEIGHED AT: SAN FRAN 122200

[X] CHECK IF DRIVER IN TRUCK

WEIGHMASTER NUMBER: 658140

SOLD TO: INNOVATIVE TECHNICAL — (SEE BACK)

PO# SAN FRAN — A.C. % — J.O.B. # 41437

JOB: P/U HUNTER'S POINT P 001

LOCATION:

DATE 09/12/02 — TIME 09:51 — Load 2

GROSS	78060 lbs kg	HAULER NETWORK	G.NO. 3055 TRUCK NO. 8872
TARE	34780 lbs kg	* Manual Weight	
NET	43280 lbs kg	21.64 TONS Mton	PRODUCT CODE TONS 133

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	TRAILER LICENSE NO.
TAX			
TOTAL		43.57 TONS	

* P.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1050-HAMP (rev. 01-00)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 500 (Newcastle, CA 95658)
Tel (916) 849-8800

TICKET NUMBER
658144

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
RETAIN FOR YOUR RECORDS DEPUTY

RECEIVED BY TRUCKER SIGNATURE X Will

ST

REG. PLT. LOCATION WEIGHED AT San Fran 122500

CHECK IF DRIVER IN TRUCK

WEIGHMASTER NUMBER T NO. 658144 (SEE BACK)

SOLD TO: INNOVATIVE TECHNICAL A.C. % 41437 F.O.B. #

PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION: Load 3

DATE 09/12/02 TIME 10:30 C. NO. 3055

GROSS	77080 lbs kg	HAULER NETWORK	TRUCK NO. 8872
TARE	34780 lbs kg	* Manual Weight	
NET	42300 lbs kg	21.15 TONS Mton	PRODUCT CODE Tons 133

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO.
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL		64.72 Tons	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1850-HMP (rev. 03-99)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 Martinez, CA 94553
Tel. 925 313 8200

TICKET NUMBER
658152

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

REG. PLT LOCATION WEIGHED AT: ~~Sant Fran 122200~~

CHECK IF DRIVER IN TRUCK

WEIGHMASTER NUMBER: ~~558152~~ T NO.

(SEL BACK)

SOLD TO: ~~INNOVATIVE TECHNICAL~~ A/C % F.O.B. # ~~41437~~

PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION: Load 4

DATE: ~~09/12/02~~ TIME: ~~11:16~~ C. NO. ~~3055~~

GROSS	77200 lb kg	HAULER: NETWORK	TRUCK NO. 8872
TARE	34780 lb kg	* Manual Weight	
NET	42420 lb kg	21.21 Tons	PRODUCT CODE 133

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT RCD BY
TAX		
TOTAL		85.93 Tons

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1056-HAMP (rev. 03-00)

CAUTION: BREATH DUST. USE AND CANCER. PROTECTION.

CAUTION: SOME OF IS TOXIC GAS ASPHALT MAY CAUSE WATER.

STOP TIME

IS 18% ANNL

CUSTOMER COPY

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
PO Box 550 Pleasanton CA 94566
Tel 925 846 9000

TICKET NUMBER
658322

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

REG PLT. LOCATION WEIGHED AT: ~~Fran 122200~~

CHECK IF DRIVER IN TRUCK (SEE BACK)

WEIGHMASTER NUMBER: ~~658322~~

SOLD TO: INNOVATIVE TECHNICAL

PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION: Load 1

DATE: ~~05/16/02~~ TIME: ~~06:57~~ D NO: ~~3055~~

GROSS	76300 lb lbs kg	HAULER: LARRY W	TRUCK NO: 8645
TARE	30800 lb lbs kg	* Manual Weight	
NET	45500 lb lbs kg	22.75 Tons	PRODUCT CODE: 133

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO
HAUL		PER TON	
SUB TOTAL		PAYMENT REC BY	TRAILER LICENSE NO
TAX			
TOTAL		22.75 Tons	F.O.B. POINT 1 = PLANT 2 = JOB SITE

FORM 1050-HA,MP (rev. 03-00)

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 980 Pleasanton, CA 94566
Tel 925 846 9600

TICKET NUMBER
658325

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK # DRIVER IN TRUCK

TLG. PLT. LOCATION WEIGHED AT

WEIGHMASTER NUMBER | T NO. | A.C. % | F.O.B. # (SEE BACK)

SOLD TO:

JOB

LOCATION

DATE | TIME | C NO.

GROSS	lbs / kg	HAULER	TRUCK NO.
TARE	lbs / kg		
NET	lbs / kg	26.44 Tons / Mton	PRODUCT CODE

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM-1050-HAMP (REV. 08-06)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 - Pleasanton, CA 94566
Tel 925 846 8600

TICKET NUMBER
658328

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY
RETAIN FOR YOUR RECORDS — DEPUTY

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT: SAN RAMON
WEIGHMASTER NUMBER: T NO. 50328
(SEE BACK)
SOLD TO: INDUSTRIAL TECHNICAL
A.C. %
F.O.B. *
SAN RAMON
JOB: FWU HUNTERS POINT
LOCATION: 401
DATE: 09/16/02
TIME: 07:31
C NO. 3055

GROSS	78030 lbs / kg	HAULER: LOCHAN &	TRUCK NO: 5647
TARE	32040 lbs / kg	* Manual Weight	
NET	45960 lbs / kg	22.98 TONS Min	PRODUCT CODE: 103

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	
SUB TOTAL		PAYMENT REC BY	TRAILER LICENSE NO.
TAX			
TOTAL		72.27	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK
WARNING ON BACK

ORIG. SECTIONAL (WHITE) (03-00)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 500 - Pittsburg, CA 94565
Tel 925 846 8900

TICKET NUMBER
658331

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

X HOLLOWAY
RETAIN FOR YOUR RECORDS DEPUTY

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

RLG PIT LOCATION WEIGHED AT: SAD Load 1662887

WEIGHMASTER NUMBER: 658331 (SEE BACK)

SOLD TO: INNOVATIVE TECHNICAL A.C. % F.O.B. # 414.57
POM SAN RAMON

JOB: F/U HUNTERS POINT P 001
LOCATION Load 4

DATE 09/15/02 TIME 07:40 C.NO. 3855

GROSS	78560 lbs / 35.7 kg	HAULER STUART	TRUCK NO. 7042
TARE	23560 lbs / 10.7 kg	* Manual Weight	
NET	55000 lbs / 27.70 TONS	TONS (Metric)	PRODUCT CODE 1203

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	TRAILER LICENSE NO.
TAX			
TOTAL		99.97	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1350HAMD-Trk (02-99)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 - Pleasanton, CA 94566
Tel 925 846 8200

TICKET NUMBER
658336

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

V. HOLLOWAY
RETAIN FOR YOUR RECORDS — DRIVER

RECEIVED BY X
TRUCKER SIGNATURE — ST

REC. PLT. LOCATION WEIGHED AT: San Fran 122200 — CHECK IF DRIVER IN TRUCK

WEIGHMASTER NUMBER: T M 658336 (SEE BACK)

SOLD TO: INNOVATIVE TECHNICAL — A.C. % — F.O.B. # 41437

PO# SAN FRAN

JOB: P/U HUNTER'S POINT P 001

LOCATION: Load 5

DATE 09/16/02 — TIME 08:05 — C. NO. 3055

GROSS	76600 lbs lbkg	HAULER: LARRY W	TRUCK NO.: 8645
TARE	30800 lbs lbkg	* Manual Weight	
NET	45800 lbs lbkg	22.90 TONS Metric Tons	PRODUCT CODE: 133

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	TRAILER LICENSE NO.
TAX			
TOTAL		22.87 Tons	

* F.O.B. POINT 1 = PLANT 2 = JOB SITE

WARNING ON BACK

FORM 1050-HANP (REV. 03-00)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 980, Manteca, CA 95336
(209) 825-8800

TICKET NUMBER
658339

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

PRODUCT CODE EXPLANATION

RETAIN FOR YOUR RECORDS

DEPUTY

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REC. PLT LOCATION WEIGHED AT

WEIGHMASTER NUMBER

T NO. 658339

A.C. %

(SEE BACK)

F.O.B. *

SOLD TO

JOB

LOCATION

DATE

TIME

D NO. 3171

GROSS	lbs / kg	HAULER	TRUCK NO.
TARE	lbs / kg		
NET	lbs / kg / TONS		PRODUCT CODE

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

FORM 1050-HAMP (Rev. 03-01)

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 560 Pleasanton CA 94566
Tel. 925 846-8500

TICKET NUMBER
658340

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y NOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X ST

TRUCKER SIGNATURE

CHECK IF DRIVER IN TRUCK

PROD. PIT LOCATION

WEIGHED AT

WEIGHMASTER NUMBER

T.NO.

(SEE BACK)

SOLD TO

A.C. #

F.O.B. *

JOB

LOCATION

DATE

TIME

C. NO.

GROSS	lbs / kg	HAULER	TRUCK NO.
TARE	lbs / kg		
NET	lbs / kg	TONS / Mtons	PRODUCT CODE

TRAILER LICENSE NO.

TRAILER LICENSE NO.

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 990 - Pleasanton, CA 94566
Tel 925 846 8000

TICKET NUMBER
658342

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

PRODUCT CODE EXPLANATION

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG PLT LOCATION WEIGHED AT

WEIGHMASTER NUMBER

T NO.

(SEE BACK)

SOLD TO:

A.C. #

I.D.R. #

JOB:

LOCATION:

DATE

TIME

C. NO.

GROSS	lbs / kg	HAULER	TRUCK NO
TARE	lbs / kg		
NET	lbs / kg	TONS Mton	PRODUCT CODE

CASH SALE ONLY

PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL			

TRAILER LICENSE NO.

TRAILER LICENSE NO.

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1050-HAMP (Rev. 05-00)

CUSTOMER COPY - 1

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 · Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
658349

PRODUCT CODE EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

Y. HOLLOWAY DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X Larry D Williams ST
TRUCKER SIGNATURE

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT San Fran 122200 (SEE BACK)

WEIGHMASTER NUMBER | TKT 658349 | A.C. % | F.O.B.*

SOLD TO: INNOVATIVE TECHNICAL 41437
PO# SAN FRAN

JOB P/U HUNTER'S POINT P 001

LOCATION: Load 9

DATE 09/16/02 | TIME 09:03 | C. NO. 3055

	lbs / kg	HAULER	TRUCK NO.
GROSS	74940 lb kg	LARRY W	8645
TARE	30800 lb kg	* Manual Weight	
NET	44140 lb kg	22.07 Tons	133

PRODUCT CODE

TRAILER LICENSE NO.

TRAILER LICENSE NO.

CASH SALE ONLY		
PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL	223.14 Tons	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1050-HMP (rev. 02-02)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 560 Pleasanton, CA 94566
tel 925 846 8800

TICKET NUMBER
679405

PRODUCT CODE
[redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

RENEE THOMAS
DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT: San Ramon 122006

(SEE BACK) 679405

WEIGHMASTER NUMBER: INNOVATI 2ND TECHNICAL ACCT: 41487

SOLD TO: DUBL SON PROP
P.O. MONTHLY POINT P 001

JOB: Load 1

LOCATION: 17/02 05:40 3171

DATE | TIME | D NO.

GROSS	67020 lbs kg	HAULER	TRUCK NO. 7415	
TARE	44700 lbs kg	Manual weight		
NET	22320 lbs kg	22.26 TONS Mton	PRODUCT CODE	

TRAILER LICENSE NO.

CASH SALE ONLY			
PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC BY	
TAX		22.26 Ton	
TOTAL			

TRAILER LICENSE NO.

F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 1050-AMP rev 10-00

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
679406

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

BERNIE THOMAS
DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT

(SEE BACK)

WEIGHMASTER NUMBER

A.C. %

SOLD TO

JOB

LOCATION

DATE | TIME | C. NO.

GROSS	75320 lbs kg		TRUCK NO.	5647
TARE	42040 lbs kg			
NET	33280 lbs kg	21.54 TONS Mton	PRODUCT CODE	

CASH SALE ONLY			
PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL			

TRAILER LICENSE NO

TRAILER LICENSE NO.

F.O.B. POINT
1 = PLANT
2 = JOB SITE

FORM 3350-U/M/P (Rev. 03-00)

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 583 · Pleasanton, CA 94566
Tel 925 945 8800

TICKET NUMBER
679420

PRODUCT CODE
EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

RENEE THOMAS
DEPUTY

RETAIN ON YOUR RECORDS

RECEIVED BY X L. Drake

TRUCKER SIGNATURE

ST

CHECK # DRIVER IN TRUCK

San Fran 1122000

REG. PLT. LOCATION WEIGHED AT 679420

(SEE BACK)

WEIGHMASTER NUMBER [illegible] No. [illegible] Acct. [illegible]

SOLD TO: [illegible]

JOB: [illegible]

LOCATION: [illegible] 05:02

DATE	TIME	C. NO.
[illegible]		[illegible]

GROSS	37920 Lbs kg	HAULER [illegible]	TRUCK NO. [illegible]
TARE	24700 Lbs kg	* Manual Weight	
NET	53220 Lbs kg	26.61 TONS Mton	PRODUCT CODE [illegible]

CASH SALE ONLY			
PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO.
SUB TOTAL		PAYMENT REC. BY	
TAX		74.71 Tons	* F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL			

WARNING ON BACK

FORM 3000-1*AMP (rev. 03-00)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 980 · Pleasanton, CA 94566
Tel 925 846 8300

TICKET NUMBER
679421

PRODUCT CODES
EXPLANATION

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

DEPUTY

RETAIN FOR YOUR RECORDS

ST

RECEIVED BY X
TRUCKER SIGNATURE

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT

(SEE BACK)

WEIGHMASTER NUMBER

SOLD TO

JOB:

LOCATION

DATE | TIME | C. NO

TRUCK NO.

HAULER

GROSS	lbs / kg		
TARE	lbs / kg		
NET	lbs / kg	TONS / Mton	PRODUCT CODE 2

TRAILER LICENSE NO

TRAILER LICENSE NO.

CASH SALE ONLY

PRODUCT		PER TON
HAUL		PER TON
SUB TOTAL		PAYMENT REC. BY
TAX		
TOTAL		

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 880 · Pleasanton, CA 94566
Tel 925 846 8600

TICKET NUMBER
679434

[redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

RENEE THOMAS

RETAIN FOR YOUR RECORDS

DEPUTY

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK # DRIVER IN TRUCK

REG. FIT. LOCATION WEIGHED AT: SAN FRAN 12E200

WEIGHMASTER NUMBER: 679434

(SEE BACK)

SOLD TO: FOR SAN FRAN

FOR [illegible] POINT [illegible]

JOB

LOCATION: [illegible]

DATE: [illegible] TIME: [illegible] C.NO.: [illegible]

GROSS	41720 lbs kg	HAUL CHARGE	TRUCK NO. 7413	
TARE	34700 lbs kg		Manual Weight	
NET	7020 lbs kg	28.51 TONS Mon	PRODUCT CODE [illegible]	

CASH SALE ONLY

PRODUCT		PER TON	THAILER LICENSE NO.
HAUL		PER TON	
SUB TOTAL		PAYMENT REC BY	THAILER LICENSE NO.
TAX			
TOTAL		[illegible]	

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM J-SCHAMP (rev. 03/10)

WARNING
DO NOT BREATHE DUST
GAS AND CONCRETE
DO NOT ASPHALT MAY CAUSE
SKIN SUL FIDE IS A TOXIC GAS
DO NOT WITH WATER.

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 Pleasanton, CA 94566
Tel: 925 846-3300

TICKET NUMBER
679435

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

PRODUCT CODE EXPLANATION

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

DEPUTY

RETAIN FOR YOUR RECORDS

DELIVERED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT (SEE BACK)

WEIGHMASTER NUMBER | TRK. | A.C. % | EDB #

SOLD TO:

JOB

LOCATION

DATE | TIME | C. NO.

GROSS	lbs kg	TRAILER	TRUCK NO.
TARE	lbs kg		
NET	lbs kg	TONS Mton	PRODUCT CODE

CASH SALE ONLY			
PRODUCT		PER TON	TRAILER LICENSE NO.
HAUL		PER TON	TRAILER LICENSE NO.
SUB TOTAL		PAYMENT REC. BY	
TAX			F.O.B. POINT 1 = PLANT 2 = JOB SITE
TOTAL			

WARNING ON BACK

FORM 1050-HAMP (rev. 08-00)

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 580 Martinez CA 94553
Tel 925 946 8800

TICKET NUMBER
679454

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

MICHAEL THOMAS

RETAIN FOR YOUR RECORDS ..... DEPUTY

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REGULAR LOCATION WEIGHED AT

WEIGHMASTER NUMBER

(SEE BACK)

SOLD TO

AD % F.O.B. #

JOB

LOCATION

DATE

TIME

C. NO.

GROSS	lbs / kg	HAULER	TRUCK NO.	
TARE	lbs / kg			
NET	lbs / kg	TONS	PRODUCT CODE	

CASH SALE ONLY

PRODUCT		PER TON	TRAILER LICENSE NO
HAUL		PER TON	
SUB TOTAL		PAYMENT REC BY	TRAILER LICENSE NO
TAX			
TOTAL			

* F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

FORM 3/93 HMP INK CO.

CUSTOMER COPY - 2

Hanson

Hanson Aggregates
Mid-Pacific, Inc.
P.O. Box 880 - Pleasanton, CA 94566
Tel 925 846 8800

TICKET NUMBER
679455

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Hanson Aggregates Mid-Pacific, Inc.
Weighmaster

PETER THOMAS
DEPUTY

RETAIN FOR YOUR RECORDS

RECEIVED BY X
TRUCKER SIGNATURE

ST

CHECK IF DRIVER IN TRUCK

REG. PLT. LOCATION WEIGHED AT
(SEE BACK)

WEIGHMASTER NUMBER
A.C. %
F.O.B.

SOLD TO:

JOB

LOCATION:

DATE
TIME
C. NO.

GROSS	lbs kg	HAULER	TRUCK NO.
TARE	lbs kg		
NET	lbs kg	TONS Mton	PRODUCT CODE

CASH SALE ONLY			
PRODUCT		PER TON	
HAUL		PER TON	
SUB TOTAL		PAYMENT REC. BY	
TAX			
TOTAL			

TRAILER LICENSE NO.

TRAILER LICENSE NO.

F.O.B. POINT
1 = PLANT
2 = JOB SITE

WARNING ON BACK

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Class II Trench Soil Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter
08-Oct-02	180123	AN 3339	158683	19.80	19.80	Fords Trkg.
08-Oct-02	180134	AN 3328	158466	16.76	36.56	Fords Trkg.
10-Oct-02	45814		159549	17.2	53.76	J&Z
10-Oct-02	45805		159772	17.49	71.25	Depp Trkg.
10-Oct-02	45802		159759	16.34	87.59	J&Z
				87.59		

Trench Soil/Debris

Waste Acceptance No.	2451
Total Invoice Truck Loads	10
Total Invoice weight (tons)	**87.59**

Receiving Facility: Forward Landfill
9999 S. Austin Road
Manteca, CA 95336

87.59
+ 187.37
274.96
1333.97 - previous invoice #2
1608.93

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158683	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
8 October 2002	3:00 pm

DATE OUT	TIME OUT
8 October 2002	3:00 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 70,680.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 39,600.00 LB 19.80 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.80	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180123

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AJ 3339

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's Trucking
ADDRESS: 400 Mockingbird Ln
CITY, STATE, ZIP: Oakley CA. 94561
PHONE: 925 625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/8/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY — MANIFEST # 180123

FORWARD INCORPORATED

199 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

01	158466	
MARIA S		
8 October 2002	10:39 am	
8 October 2002	10:39 am	
FORDS 154		
	SAN FRANCISCO	

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 64,600.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 33,520.00 LB 16.76 TN

				TOTAL
16.76	TN	11	CLASS II SOIL	

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180134

DRIVER'S SIGNATURE F Bergmann

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST 4N-3328

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Fords Trucking
ADDRESS: 400 Mockingbird Ln
CITY, STATE, ZIP: Oakley CA. 94561
PHONE: 925 625 5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 10-8-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 10-8-02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SUB-#	TICKET	GRID
01	159549	

WEIGHMASTER: MARIA D

DATE IN: 10 October 2002 TIME IN: 11:14 am

DATE OUT: 10 October 2002 TIME OUT: 11:14 am

TRUCK: J&Z 93

TRAILER:

ORIGIN: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 65,720.00 LB
Stored Tare Weight 31,320.00 LB
Net Weight 34,400.00 LB 17.20 TN

QTY	UNIT	CODE	DESCRIPTION	RATE			TOTAL
17.20	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

BALANCE

CHECK NO.

MANIFEST #45814

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROJCC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste 220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen E. Treble
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.: -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: J & Z
ADDRESS: PO Box 281896
CITY, STATE, ZIP: San Francisco CA
PHONE: 415-671-1167
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B38739	93

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS: 12

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45814

FORWARD
INCORPORATED

19 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159772	

WEIGHMASTER: NANCY

DATE IN	TIME IN
10 October 2002	4:39 pm

DATE OUT	TIME OUT
10 October 2002	4:39 pm

VEHICLE	ROLL OFF
DEEP 57	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0111706515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 66,060.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 34,980.00 LB 17.49 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.49	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45805

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: RDTCC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F. Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: SBS
ADDRESS: Roland Ave
CITY, STATE, ZIP: OAKLAND
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/10/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B36709	57

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45905

FORWARD
INCORPORATED

199 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159759	

WEIGHMASTER: VICTORIA

10 October 2002	4:17 pm
10 October 2002	4:17 pm

J&Z 93

SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 64,000.00 LB
Stored Tare Weight 31,320.00 LB
Net Weight 32,680.00 LB 16.34 TN

							TOTAL
16.34	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

SHERANO

MANIFEST #45802

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICE San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Trabka
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: J & E
ADDRESS: PO Box 281896
CITY, STATE, ZIP: SF CA 94128
PHONE: 415 + 876 1169
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/10/02

NOTES:
VEHICLE LICENSE NUMBER: 9B59738
TRUCK NUMBER: 93

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45002

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Class II Trench Soil Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #
10-Oct-02	45816		159487	17.31	17.31	Takhar Bros.	22
10-Oct-02	45808		159697	16.89	34.20	Takhar Bros.	22
11-Oct-02	162185	AN 3330	159927	15.09	49.29	Solano Trkg	S-153
11-Oct-02	162188		159946	14.31	63.60	Takhar Bros.	22
11-Oct-02	45826	XX 106	160254	14.76	78.36	Solano Trkg	S-153
11-Oct-02	45828	XX 108	160114	14.57	92.93	Takhar Bros.	22
15-Oct-02	45833	XX 113	160874	18.98	111.91	D&W	D98
15-Oct-02	45834	XX 114	160877	18.23	130.14	Network Trkg.	621
15-Oct-02	45835	XX 115	160888	18.67	148.81	D&W	84
15-Oct-02	45836	XX 116	161106	19.52	168.33	Network Trkg.	621
15-Oct-02	45837	XX 117	161119	19.04	187.37	D&W	84

Trench Soil/Debris

Waste Acceptance No.	2451
Total Invoice Truck Loads	11
Total Invoice weight (tons)	187.37

Receiving Facility: Forward Landfill
9999 S. Austin Road
Manteca, CA 95336

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SIDE	TICKET	GRID
01	159487	

WEIGHMASTER: VICTORIA

DATE IN: 10 October 2002 TIME IN: 10:04 am

DATE OUT: 10 October 2002 TIME OUT: 10:04 am

TRUCK: TARHAR 22 LOG OFF:

FROM: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 65,540.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 34,620.00 LB 17.31 TN

QTY	UNIT	DESCRIPTION				NOTES
17.31	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK #

MANIFEST #45816

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rafee - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: SF

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Tilman Bros.
ADDRESS:
CITY, STATE, ZIP: Lamar CA
PHONE: 510 724-7135
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:
VEHICLE LICENSE NUMBER: 9C42457
TRUCK NUMBER: 22

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45916

FORWARD INCORPORATED

199 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
CL	159697	

WEIGHMASTER: NANCY

DATE IN	TIME IN
10 October 2002	2:40 pm

DATE OUT	TIME OUT
10 October 2002	2:40 pm

VEHICLE	ROLLOFF
TAKHAR 22	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#01117051
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 64,700.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 33,780.00 LB 16.89 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.89	TN	1	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45808

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: RoTec - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F Frahler
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: [illegible]
ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: 510-724-7135
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/10/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9CU2457 CA	22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	RECORD
01	159927	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	10:12 am

DATE OUT	TIME OUT
11 October 2002	10:12 am

SOLAND 153

SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 62,900.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 30,180.00 LB 15.09 TN

QUANTITY	UNIT	DESCRIPTION	DATE			TOTAL
15.09	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CONTINUED

D-02

MANIFEST #162185

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3330

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Stroganoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Solano Trucking
ADDRESS 537 Girard St
CITY, STATE, ZIP SF CA
PHONE 415 720 6938
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B62832	S-153

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS
18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 1 0 0 1 0 5

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159946	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	10:44 am

DATE OUT	TIME OUT
11 October 2002	10:44 am

VEHICLE	ROLL OFF
TAKHAR 22	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 59,540.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 28,620.00 LB 14.31 TN

QUANTITY	UNIT	DESCRIPTION	EXTENSION	TAX	TOTAL
14.31	TN	11 CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #162188

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2671

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
ROICC-Hunter's Point

MAILING ADDRESS
2450 Saratoga Street, Suite #200

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
(510) 749-5940

CONTACT PERSON
~~Peter Sirogameff~~ Steve Tyable

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL
☐ CONSTRUCTION
☐ DEBRIS
☐ SPECIAL WASTE
☐ SLUDGE
☐ WOOD
☐ OTHER

GENERATING FACILITY
Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
10/10/02 **2168** 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
ADDRESS
CITY, STATE, ZIP
PHONE 510-774-7135

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 11 Oct 02

NOTES: | VEHICLE LICENSE NUMBER: 9C4245 | TRUCK NUMBER: 22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* 10/11/02

CUBIC YARDS
18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 100100

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160254	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
12 October 2002	10:05 am
DATE OUT	**TIME OUT**
12 October 2002	10:05 am

VEHICLE	ROLL-OFF
SOLAND 153	

REFERENCE	ORIGIN
	ALAMEDA

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 62,240.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 29,520.00 LB 14.76 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.76	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45826

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2600
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 106

GENERATOR: RDICC - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
- 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Solano Trucking
ADDRESS: 537 Girard St
CITY, STATE, ZIP: SF CA 94134
PHONE: 415 420-6932
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B62832	S-153

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 10/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45826

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
G	150114	

WEIGHMASTER: NANCY

DATE IN	TIME IN
11 October 2002	3:18 pm
DATE OUT	**TIME OUT**
11 October 2002	3:18 pm

VEHICLE	ROLL OFF
TAKHAR 28	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0111705IS
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: E451#

Inbound - SCALE TICKET

Gross Weight 60,060.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 29,140.00 LB 14.57 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.57	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45828

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 108

GENERATOR: Rolcs - Hunters Point

MAILING ADDRESS: 2450 Saratoga Street Suite 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510 749-5940

CONTACT PERSON: Andrew Velisa

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for the Navy

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: Lacnak Bros. T.

ADDRESS:

CITY, STATE, ZIP: Livermore

PHONE: 510 771-7135

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]

DATE: 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C42457	22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15928

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
lanteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SUFF	TICKET	GRID
01	160874	

WEIGHMASTER: VICTORIA

DATE IN: 15 October 2002 TIME IN: 10:30 am

DATE OUT: 15 October 2002 TIME OUT: 10:30 am

PROVIDER: D & W 98

DESTINATION: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 71,240.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 37,960.00 LB 18.98 TN

							TOTAL
18.98	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

TOTAL AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45833

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 113

GENERATOR: ROICC - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Vehrsa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * J. K. [illegible] for Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
- 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D & W
ADDRESS: 2866 Bush
CITY, STATE, ZIP: S.F. CA 94115
PHONE: 415 776-1114
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [illegible]
DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1XB 879 CAR	D-98

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [illegible]
DATE: 10/15/02

CUBIC YARDS: 60

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45833

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

DATE	TICKET	GROSS
21	1[illegible]977	

WEIGHMASTER: NANCY

DATE IN	TIME IN
15 October 2002	10:34 am

DATE OUT	TIME OUT
15 October 2002	10:34 am

VEHICLE	ROLL OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0117051S
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 69,940.00 LB
Stored Tare Weight 33,490.00 LB
Net Weight 36,450.00 LB 18.23 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.23	TN	1 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45834

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 114

GENERATOR: Rolcc - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Andrew Ochisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] (Site Mgr)
DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: San Francisco

WASTE ACCEPTANCE NO.: - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Network Trucking
ADDRESS: PO Box 28624
CITY, STATE, ZIP: S.F., 94124
PHONE: 415 725-7588

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 15/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45834

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

01	160886	
VICTORIA		
15 October 2002		10:43 am
15 October 2002		10:43 am
D & W 84		
	SAN FRANCISCO	

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 68,640.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 37,340.00 LB 18.67 TN

18.67	TN	11	CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

AMOUNT
TENDERED
CHANGE
CHECK NO.

D-02

MANIFEST #4583.5

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 115

GENERATOR: Roiss Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehise
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] (Site Mgr) DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D & W Trucking
ADDRESS: 2868 Bush St
CITY, STATE, ZIP: S.F.
PHONE: 415 508 0204
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A03250	84

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 10/15/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45835

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	161106	

WEIGHMASTER: VICTORIA

IN	TIME IN
15 October 2002	3:03 pm

OUT	TIME OUT
15 October 2002	3:03 pm

NET	PROD/COEF
NET 621	

STORED	DESTINATION
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 72,520.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 39,040.00 LB 19.52 TN

		ITEM					TOTAL
19.52	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

ORDERED

CHARGE

TECHNIC

D-02

MANIFEST #45836

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 116

GENERATOR: Rolcc- Hunters Point

MAILING ADDRESS: 2450 Saratoga Street Suite 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: (510) 749-5940

CONTACT PERSON: Andrew Dehisa

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] (for Navy)

DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Network Trucking

ADDRESS

CITY, STATE, ZIP

PHONE 415-225-7528

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]

DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]

DATE: 10/15

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45836

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	161119	

WEIGHMASTER: VICTORIA

DATE IN: 15 October 2002 TIME IN: 3:19 pm

DATE OUT: 15 October 2002 TIME OUT: 3:19 pm

CARRIER: D & W 84 COLLECTOR:

REFERENCE: ORIGIN: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 69,380.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 38,080.00 LB 19.04 TN

Inbound - SCALE TICKET

19.04	TN	11	CLASS II SOIL					TOTALS

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

D-02

MANIFEST #45837

AMOUNT
ENDORSED
CHARGE
CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 117

GENERATOR: RDICC- Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D & W Trucking
ADDRESS: 2868 Bush St
CITY, STATE, ZIP: S.F.
PHONE: 415 508-0204
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A03250	84

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/15/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☒ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15827

Landfill Gas Recovery System
Hunters Point Shipyard

Contract #: N68711-D-6110-0003

Class II Trench Soil Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter
08-Oct-02	180123	AN 3339	158683	19.80	19.80	Fords Trkg.
08-Oct-02	180134	AN 3328	158466	16.76	36.56	Fords Trkg.
10-Oct-02	45814		159549	17.2	53.76	J&Z
10-Oct-02	45805		159772	17.49	71.25	Depp Trkg.
10-Oct-02	45802		159759	16.34	87.59	J&Z
				87.59		

Trench Soil/Debris

Waste Acceptance No.	2451
Total Invoice Truck Loads	10
Total Invoice weight (tons)	**87.59**

Receiving Facility: Forward Landfill
9999 S. Austin Road
Manteca, CA 95336

87.59
+ 187.37
274.96
1333.97 - previous invoice #2
1608.93

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158683	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
8 October 2002	3:00 pm

DATE OUT	TIME OUT
8 October 2002	3:00 pm

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 70,680.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 39,600.00 LB 19.80 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.80	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180123

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AW 3379

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda,CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO.
2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Ford's Trucking
ADDRESS: 400 Mockingbird Ln
CITY, STATE, ZIP: Oakley CA. 94561
PHONE: 925 625-5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/8/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

LANDFILL COPY

MANIFEST # 180123

FORWARD INCORPORATED

199 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158466	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
8 October 2002	10:39 am

DATE OUT	TIME OUT
8 October 2002	10:39 am

VEHICLE	ROLL OFF
FORDS 156	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 64,600.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 33,520.00 LB 16.76 TN

QUANTITY	UNIT	ITEM	DESCRIPTION	PRICE	EXTENSION	TAX	TOTAL
16.76	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180134

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN-3328

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: Fords Trucking
ADDRESS: 100 Mockingbird Ln
CITY, STATE, ZIP: Oakley CA. 94561
PHONE: 925 625 5452
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 10-8-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C41419	156

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 10/8

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159549	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
10 October 2002	11:14 am

DATE OUT	TIME OUT
10 October 2002	11:14 am

VEHICLE	ROLL OFF
J&Z 93	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 65,720.00 LB
Stored Tare Weight 31,320.00 LB
Net Weight 34,400.00 LB 17.20 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.20	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45814

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste 220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F. Trchla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: J & Z
ADDRESS: PO Box 281896
CITY, STATE, ZIP: San Ca
PHONE: 415-641-1167
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B38739	93

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS: 12

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15814

FORWARD
INCORPORATED

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159772	

WEIGHMASTER
NANCY

DATE IN	TIME IN
10 October 2002	4:39 pm
DATE OUT	**TIME OUT**
10 October 2002	4:39 pm

VEHICLE	ROLL OFF
DEEP 57	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 66,060.00 LB
Stored Tare Weight 31,080.00 LB
Net Weight 34,980.00 LB 17.49 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.49	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45805

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: RDIEC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F. Trahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.: - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: S&S
ADDRESS: Roland Ave
CITY, STATE, ZIP: OAKLAND
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 10/10/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B36709	57

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 10/10/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45805

FORWARD
INCORPORATED

199 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159759	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
10 October 2002	4:17 pm

DATE OUT	TIME OUT
10 October 2002	4:17 pm

VEHICLE	ROLLOFF
J&Z 93	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 64,000.00 LB
Stored Tare Weight 31,320.00 LB
Net Weight 32,680.00 LB 16.34 TN

QTY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.34	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45802

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Trabka
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: J & L
ADDRESS: PO Box 281896
CITY, STATE, ZIP: SF CA 94128
PHONE: 415 & 876-1169
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/10/02

NOTES:
VEHICLE LICENSE NUMBER: 9B59738
TRUCK NUMBER: 93

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15802

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Class II Trench Soil Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #
10-Oct-02	45816		159487	17.31	17.31	Takhar Bros.	22
10-Oct-02	45808		159697	16.89	34.20	Takhar Bros.	22
11-Oct-02	162185	AN 3330	159927	15.09	49.29	Solano Trkg	S-153
11-Oct-02	162188		159946	14.31	63.60	Takhar Bros.	22
11-Oct-02	45826	XX 106	160254	14.76	78.36	Solano Trkg	S-153
11-Oct-02	45828	XX 108	160114	14.57	92.93	Takhar Bros.	22
15-Oct-02	45833	XX 113	160874	18.98	111.91	D&W	D98
15-Oct-02	45834	XX 114	160877	18.23	130.14	Network Trkg.	621
15-Oct-02	45835	XX 115	160888	18.67	148.81	D&W	84
15-Oct-02	45836	XX 116	161106	19.52	168.33	Network Trkg.	621
15-Oct-02	45837	XX 117	161119	19.04	187.37	D&W	84

	Trench Soil/Debris
Waste Acceptance No.	2451
Total Invoice Truck Loads	11
Total Invoice weight (tons)	**187.37**

Receiving Facility: Forward Landfill
9999 S. Austin Road
Manteca, CA 95336

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
lanteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159487	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
10 October 2002	10:04 am

DATE OUT	TIME OUT
10 October 2002	10:04 am

VEHICLE	ROLL OFF
TAKHAR 22	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 65,540.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 34,620.00 LB 17.31 TN

QUANTITY	UNIT	CODE	DESCRIPTION	UNIT PRICE	EXTENSION	TAX	TOTAL
17.31	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45816

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rofee - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST STE #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: SF

WASTE ACCEPTANCE NO.: - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Thomas Bros.
ADDRESS:
CITY, STATE, ZIP: Lamar CA
PHONE: 510 774-7135
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C42457	22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15816

FORWARD
INCORPORATED

)99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ındfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159697	

WEIGHMASTER
NANCY

DATE IN	TIME IN
10 October 2002	2:40 pm

DATE OUT	TIME OUT
10 October 2002	2:40 pm

VEHICLE	ROLL OFF
TAKHAR 22	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 64,700.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 33,780.00 LB 16.89 TN

QTY	UNIT	CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.89	TN	1	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45808

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: RoTec - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F Trahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: [illegible]
ADDRESS: [illegible]
CITY, STATE, ZIP:
PHONE: 510-774-7135
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/10/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C42457 CA	22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
lanteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159927	

WEIGHMASTER
VICTORIA

DATE IN	TIME IN
11 October 2002	10:12 am

DATE OUT	TIME OUT
11 October 2002	10:12 am

VEHICLE	ROLL OFF
SOLANO 153	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 62,900.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 30,180.00 LB 15.09 TN

QUANTITY	UNIT	DESCRIPTION	RATE	EXTENSION	DIV	TOTAL
15.09	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #162185

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3330

GENERATOR
ROICC-Hunter's Point
MAILING ADDRESS
2450 Saratoga Street, Suite #200
CITY, STATE, ZIP
Alameda, CA 94501
PHONE
(510) 749-5940
CONTACT PERSON
~~Peter Strogzuoff~~ STEVE TYAHLA
SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.
~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Solano trucking
ADDRESS 537 Girard st
CITY, STATE, ZIP SF CA
PHONE 415 720 6932
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B62832	S-153

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS
18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 100105

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159946	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	10:44 am

DATE OUT	TIME OUT
11 October 2002	10:44 am

VEHICLE	ROLL OFF
TAKHAR 22	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 59,540.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 28,620.00 LB 14.31 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.31	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #162188

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ Steve Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
10/10/02 ~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Tri-Valley Brokers
ADDRESS:
CITY, STATE, ZIP: Union City
PHONE: 510-774-7135
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C42457	22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/11/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 160100

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160254	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
12 October 2002	10:05 am

DATE OUT	TIME OUT
12 October 2002	10:05 am

VEHICLE	ROLL OFF
SOLANO 153	

REFERENCE	ORIGIN
	ALAMEDA

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 62,240.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 29,520.00 LB 14.76 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.76	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45826

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 1066

GENERATOR: RDICC - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
- 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Solano Trucking
ADDRESS:
CITY, STATE, ZIP: 537 Girard St SF CA 94134
PHONE: 415 420-6932
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 11 Oct 92

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B62832	S-153

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 10/12

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45826

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
OL	160114	

WEIGHMASTER
NANCY

DATE IN	TIME IN
11 October 2002	3:18 pm
DATE OUT	**TIME OUT**
11 October 2002	3:18 pm

VEHICLE	ROLL OFF
TAKHAR 22	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 60,060.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 29,140.00 LB 14.57 TN

QUANTITY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.57	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45828

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 158-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 108

GENERATOR: Rolce - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Velisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] for the Navy
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: Talenak Bros. T.
ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: 510 771-7135
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C42457	22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15922

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
lanteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160874	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
15 October 2002	10:30 am

DATE OUT	TIME OUT
15 October 2002	10:30 am

VEHICLE	ROLL OFF
D & W 98	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

Gross Weight 71,240.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 37,960.00 LB 18.98 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.98	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45833

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 113

GENERATOR: ROICC - Hunters Point

MAILING ADDRESS: 2450 Saratoga Street Suite 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510 749-5940

CONTACT PERSON: Andrew Vehrsa

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] (for the Navy)

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: D&W

ADDRESS: 2868 Bush

CITY, STATE, ZIP: S.F. CA 94115

PHONE: 415 776-7114

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]

DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1XB 879 OAK	D-98

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature]

DATE: 10/15/02

CUBIC YARDS: 60

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45833

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160877	

WEIGHMASTER
NANCY

DATE IN	TIME IN
15 October 2002	10:34 am

DATE OUT	TIME OUT
15 October 2002	10:34 am

VEHICLE	ROLL OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 69,940.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 36,460.00 LB 18.23 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.23	TN	1 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45834

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 114

GENERATOR: ROICC - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: San Francisco

WASTE ACCEPTANCE NO.: - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Network Trucking
ADDRESS: PO Box 28624
CITY, STATE, ZIP: S.F., 94124
PHONE: 415 725-7588
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 15 Oct 02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45834

FORWARD
INCORPORATED

)999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
.andfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160888	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
15 October 2002	10:43 am

DATE OUT	TIME OUT
15 October 2002	10:43 am

VEHICLE	ROLL-OFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 68,640.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 37,340.00 LB 18.67 TN

QTY	UM	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.67	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #4583.5

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 115

GENERATOR: ROICC Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Vehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] (for the Navy)
DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D & W Trucking
ADDRESS: 2868 Busta St
CITY, STATE, ZIP: S.F.
PHONE: 415 508 0204
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A03250	84

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 10/15/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45835

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
lanteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	161106	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
15 October 2002	3:03 pm

DATE OUT	TIME OUT
15 October 2002	3:03 pm

VEHICLE	FROM/OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 72,520.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 39,040.00 LB 19.52 TN

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	EXTENSION	TAX	TOTAL
19.52	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

D-02

MANIFEST #45836

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 116

GENERATOR: Rolcc- Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 206
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] (for Navy)
DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Network Trucking
ADDRESS
CITY, STATE, ZIP
PHONE: 415-725-7528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 10/15

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45836

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	161119	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
15 October 2002	3:19 pm

DATE OUT	TIME OUT
15 October 2002	3:19 pm

VEHICLE	ROLLOFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 69,380.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 38,080.00 LB 19.04 TN

Inbound - SCALE TICKET

QUANTITY	UNIT	DESCRIPTION	RATE	PER	UNIT	TOTAL
19.04	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #45837

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST XX 117

GENERATOR: RDICC- Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 15 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D & W Trucking
ADDRESS: 2868 Busit St
CITY, STATE, ZIP: S.F.
PHONE: 415 508-0204
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 15 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A03250	84

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 10/18/

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☒ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 15837

T&D Non Haz
#0005
& #0007
Concrete
(partial)

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Class II Trench Soil/Concrete Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #
08-Oct-02	180116	AN 3346	158724	19.87	19.87	Network Trkg.	621
08-Oct-02	180117	AN 3345	158732	21.88	41.75	S&S Trkg.	30
08-Oct-02	180118	AN 3344	158708	16.06	57.81	Edmonds	E-21
08-Oct-02	180119	AN 3343	158702	16.7	74.51	D&W	84
08-Oct-02	180120	AN 3342	158698	19.07	93.58	D&W	D98
08-Oct-02	180121	AN 3341	158700	12.43	106.01	Takhar Bros.	22
08-Oct-02	180122	AN 3340	158701	17.68	123.69	Melhi Exp.	M-7
08-Oct-02	180124	AN 3338	158678	17.92	141.61	Solano Trkg	S-153
08-Oct-02	180125	AN 3337	158674	17.59	159.20	Brentwood Exp.	B-43
08-Oct-02	180126	AN 3336	158507	19.73	178.93	Network Trkg.	621
08-Oct-02	180127	AN 3335	158492	18.4	197.33	S&S Trkg.	30
08-Oct-02	180128	AN 3334	158475	14.08	211.41	Edmonds	E-21
08-Oct-02	180129	AN 3333	158477	15.16	226.57	D&W	84
08-Oct-02	180130	AN 3332	158480	15.61	242.17	D&W	D98
08-Oct-02	180131	AN 3331	158478	14.86	256.97	Takhar Bros.	22
08-Oct-02	180132	AN 3330	158476	15.92	272.89	Melhi Exp.	M-7
08-Oct-02	180133	AN 3329	158461	14.77	287.66	Solano Trkg	S-153
08-Oct-02	180135	AN 3327	158452	17.05	304.71	Brentwood Exp.	B-43
09-Oct-02	180101	AN 3361	159227	20.77	325.48	Brentwood Exp.	B-43
09-Oct-02	180102	AN 3360	159228	23.14	348.62	Melhi Exp.	M-7
09-Oct-02	180103	AN 3359	159214	22.53	371.15	Solano Trkg	S-153
09-Oct-02	180104	AN 3358	159216	22.57	393.72	D&W	84
09-Oct-02	180105	AN 3357	159205	24.1	417.82	D&W	D98
09-Oct-02	180106	AN 3356	159203	22.95	440.77	Network Trkg.	621
09-Oct-02	180107	AN 3355	159015	19.53	460.30	Takhar Bros.	22
09-Oct-02	180108	AN 3354	159060	20.77	481.07	Edmonds	E-21
09-Oct-02	180109	AN 3353	158986	19.22	500.29	S&S Trkg.	30
09-Oct-02	180110	AN 3352	158985	17.51	517.80	Brentwood Exp.	B-43
09-Oct-02	180111	AN 3351	158984	18.16	535.96	Melhi Exp.	M-7
09-Oct-02	180112	AN 3350	158956	17.55	553.51	Solano Trkg	S-153
09-Oct-02	180113	AN 3349	158946	20.94	574.45	D&W	84
09-Oct-02	180114	AN 3348	158932	21.63	596.08	D&W	D98
09-Oct-02	180115	AN 3347	158940	19.76	615.84	Network Trkg.	621
09-Oct-02	184095	AN 3367	159300	16.24	632.08	Edmonds	E-21
09-Oct-02	184096	AN 3366	159260	21.06	653.14	Takhar Bros.	22
09-Oct-02	184097	AN 3365	159264	20.26 20.36	673.40	S&S Trkg.	32
09-Oct-02	184098	AN 3364	159240	22.56	695.96	S&S Trkg.	30
10-Oct-02	45803		159780	16.39	712.35	Amijot	1170
10-Oct-02	45804		159745	21.17	733.52	ATC	1022
10-Oct-02	45806		159702	18.76	752.28	S&S Trkg.	30
10-Oct-02	45807		159687	18.53	770.81	Melhi Exp.	M-7

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Class II Trench Soil/Concrete Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #
10-Oct-02	45809		159663	16.91	787.72	D&W	84
10-Oct-02	45810		159664	16.79	804.51	Solano Trkg	S-153
10-Oct-02	45811		159643	16.41	820.92	Edmonds	E-21
10-Oct-02	45812		159641	18.53	839.45	Network Trkg.	621
10-Oct-02	45813		159553	17.04	856.49	Amijot	1170
10-Oct-02	45815		159531	20.61	877.10	ATC	1022
10-Oct-02	45817		159486	19.44	896.54	S&S Trkg.	30
10-Oct-02	45818		159467	18.37	914.91	D&W	84
10-Oct-02	45819		159510	19.15	934.06	Melhi Exp.	M-7
10-Oct-02	184092	AN 3370	159461	18.41	952.47	Solano Trkg	S-153
10-Oct-02	184093	AN 3369	159449	17.28	969.75	Edmonds	E-21
10-Oct-02	184094	AN 3368	159445	19.94	989.69	Network Trkg.	621
11-Oct-02	45801		159892	17.21	1006.90	D&W	D98
11-Oct-02	45820	XX 100	160061	16.22	1023.12	S&S	24
11-Oct-02	45821	XX 101	160067	18.43	1041.55	D&W	D98
11-Oct-02	45822	XX 102	160081	15.07	1056.62	Network Trkg.	621
11-Oct-02	45823	XX 103	160073	16.58	1073.20	D&W	84
11-Oct-02	45824	XX 104	160088	13.61	1086.81	Amijot	1170
11-Oct-02	45825	XX 105	160101	14.03	1100.84	Edmonds	E-21
11-Oct-02	45827	XX 107	160129	14.94	1115.78	Melhi Exp.	M-7
11-Oct-02	45829	XX 109	160134	18.79	1134.57	S&S	30
11-Oct-02	45830	XX 110	160136	17.25	1151.82	S&S	28
11-Oct-02	45831	XX 111	160169	20.48	1172.30	ATC	435
11-Oct-02	162182	AN 3327	159919	17.74	1190.04	Edmonds	E-21
11-Oct-02	162183	AN 3328	159913	14.12	1204.16	Amijot	1170
11-Oct-02	162184	AN 3329	159926	13.92	1218.08	Melhi Exp.	M-7
11-Oct-02	162186	AN 3331	159960	16.5	1234.58	ATC	435
11-Oct-02	162187	AN 3332	159962	18.34	1252.92	ATC	1022
11-Oct-02	162189		159948	17.95	1270.87	S&S	30
11-Oct-02	162190		159949	14.55	1285.42	S&S	28
11-Oct-02	162191		160171	20.84	1306.26	ATC	1023
11-Oct-02	184099	AN 3363	159906	13.94	1320.20	D&W	84
11-Oct-02	184100	AN 3362	159908	13.77	1333.97	Network Trkg.	621
15-Oct-02	45832		160712	20.92		ATC	1022
15-Oct-02	162211		160162	21.50			

Landfill Gas Recovery System
Hunters Point Shipyard
Contract #: N68711-D-6110-0003
Class II Trench Soil/Concrete Transportation and Disposal

Date	Manifest Number	Navy Tracking Number	Weight Ticket #	Weight (ton)	Cumulative Weight (ton)	Transporter	Truck #
			Class II Trench Concrete				
15-Oct-02	45832	xx 112	160912	20.92	20.92	ATC	P1022
15-Oct-02	162211		161162	21.5	42.42	ATC	P1022

	Trench Soil/Debris	Trench Concrete
Waste Acceptance No.	2451	2168
Total Invoice Truck Loads	74	2
Total Invoice weight (tons)	1333.97	42.42
	1376.39	

Receiving Facility:

Forward Landfill
9999 S. Austin Road
Manteca, CA 95336

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158724	

WEIGHMASTER: NANCY

DATE IN	TIME IN
8 October 2002	4:00 pm

DATE OUT	TIME OUT
8 October 2002	4:00 pm

VEHICLE	TROLLEY
S & S 30	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 70,640.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 39,740.00 LB 19.87 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	DISPOSITION
19.87	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180116

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180116

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	TIME IN
01	158732	
WEIGHMASTER		
NANCY		
DATE IN		TIME OUT
8 October 2002		4:04 pm
DATE OUT		TIME OUT
8 October 2002		4:04 pm
CUSTOMER		CUSTOMER ORDER
NET 821		
REFERENCE		DESTINATION
		SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 77,240.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 43,760.00 LB 21.88 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	UNIT PRICE	EXTENSION	TAX	TOTAL
21.88	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180117

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES: | VEHICLE LICENSE NUMBER | TRUCK NUMBER

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐

ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180117

FORWARD
INCORPORATED

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

158708

SITE	TICKET	GRID
01	158708	

WEIGHMASTER
NANCY

DATE IN	TIME IN
6 October 2006	3:42 pm
DATE OUT	**TIME OUT**
6 October 2006	3:46 pm

VEHICLE	ROLL OFF
EDWARD 521	

REFERENCE	ORIGIN
	SAN FRANCISCO

02451
INNOVATIVE TECHNICAL SOLUTIONS, INC
DIVINE SCHERVE - PORT [illegible]
930 [illegible] DRIVE, STE 100
WALNUT CREEK, CA 94596
[illegible]

Gross Weight [illegible]
Tare Weight [illegible]
Net Weight [illegible]

Inbound - SCALE [illegible]

16.06 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.06	TN	[illegible]				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is his certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuvahia
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel is Landfill.

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Edmondo TRK
ADDRESS: 1485 Bayshore
CITY, STATE, ZIP: San Francisco Ca. 94124
PHONE: 415 468-1303
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10-8-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23876	

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 12

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

DULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT USAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST #

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE TICKET: 01 158732

NANCY

DATE: 8 October 2002 8:40 pm

DATE OUT: 8 October 2002 8:40 pm

WEIGHT: 0 84

REFERENCE:

SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2780 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 64,700.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 33,400.00 LB 16.70 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION		TOTAL
16.70	TN	1	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180119

DRIVER'S SIGNATURE

CHECK NO.

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 150119

FORWARD
INCORPORATED

)999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN
DATE OUT	**TIME OUT**

VEHICLE	ROLL OFF

REFERENCE	ORIGIN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Hunters Point - Parcel C Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180120

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	CUSTOMER
01	158700	

WEIGHMASTER: MARIA S

DATE IN: 8 October 2008 TIME IN: 2:20 pm
DATE OUT: 8 October 2008 TIME OUT: 3:24 pm

VEHICLE: TAKHAR 28

REFERENCE: 002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2750 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

ORIGIN: SAN FRANCISCO

Gross Weight 55,780.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 24,860.00 LB 12.43 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.43	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

SUBTOTAL
TENDERED
CHANGE
CHECK NO.

MANIFEST #180121

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261.or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation a'cording to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES: | VEHICLE LICENSE NUMBER | TRUCK NUMBER

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY MANIFEST # 180121

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	GRID
01	158701	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 October 2002	3:27 pm

DATE OUT	TIME OUT
8 October 2002	3:27 pm

VEHICLE	ROLLOFF
MALHI 7	

REFERENCE	ORIGIN
	SAN FRANCISCO

00 Gross Weight 65,260.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 35,360.00 LB 17.68 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.68	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180122

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

2461

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A71509	M-7

END DUMP	BOTTOM DUMP	TRANSFER
❑	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	❑	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL		
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180122

FORWARD INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	CUSTOMER ID
01	158678	

WEIGHMASTER
NANCY

DATE IN	TIME IN
8 October 2002	2:55 pm

DATE OUT	TIME OUT
8 October 2002	2:56 pm

VEHICLE	ROLL OFF
SLAND 153	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0112706515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 68,560.00 LB
Stored Tare Weight 36,720.00 LB
Net Weight 25,840.00 LB 12.92 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.92	TN	1 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180124

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible]

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
[illegible]

PHONE
[illegible]

CONTACT PERSON
[illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
[illegible] - Parcel [illegible] Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.
2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER [illegible]

ADDRESS [illegible]

CITY, STATE, ZIP [illegible]

PHONE [illegible]

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[illegible]	5-153

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS
10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180124

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE: 01
TICKET: 158674
NANCY
DATE IN: 8 October 2002 2:45:50 pm
DATE OUT: 8 October 2002 2:50 pm
VEHICLE: BRENT 45
REFERENCE: SAN FRANCISCO

062451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 66,180.00 LB
Stored Tare Weight 31,000.00 LB
Net Weight 35,180.00 LB 17.59 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION
17.59	TN	1	CLASS II SOIL		

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180125

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible] - San Francisco Bay

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
[illegible]

CONTACT PERSON
Stephen F. Tavaglione

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point - Parcel F Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.
241

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Brentwood Exp

ADDRESS [illegible]

CITY, STATE, ZIP [illegible]

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* 10/8/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A92207	B43

END DUMP	ROLL-OFF(S)	FLAT-BED	VAN	TRANSFER DRUMS
☐	☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 280125

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET
01	158507

WEIGHMASTER: MARIA S

DATE IN	TIME IN
8 October 2002	11:20 am

DATE OUT	TIME OUT
8 October 2002	11:20 am

VEHICLE	TRAILER
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 72,940.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 39,460.00 LB 19.73 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.73	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
AMT TENDERED
CHANGE
CHECK NO.

MANIFEST #180126

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible]

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
Alameda CA [illegible]

PHONE
[illegible]

CONTACT PERSON
Stephen F. [illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.
2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Network Trucking
ADDRESS P.O. Box 24624
CITY, STATE, ZIP S.F. CA 94124
PHONE 415 925-7521

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS
6

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180120

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-42[illegible] / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	138492	

WEIGHMASTER	
MARIA S	

DATE IN	TIME IN
8 October 2002	11:06 am

DATE OUT	TIME OUT
8 October 2002	11:06 am

VEHICLE	TRUCK OPT
S & S 30	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 67,700.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 36,800.00 LB 18.40 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.40	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180127

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible] - San Francisco Div
MAILING ADDRESS: 2450 Saratoga St, [illegible]
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-2940
CONTACT PERSON: Stephen F. Tovalia
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO.: 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☐ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☐ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: G & S Trucking
ADDRESS
CITY, STATE, ZIP
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B 22165	30

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 8/10

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # [illegible]

158475

FORWARD
INCORPORATED

) South Austin Road/WEIGHING LOCATION
teca, CA 95336
fill: (209) 982-4298 / WEIGHING LOCATION
urce Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
	158475	

WEIGHMASTER

DATE IN	TIME IN
3 October 2002	10:50 AM
DATE OUT	**TIME OUT**
3 October 2002	10:50 AM
VEHICLE	**ROLL OFF**

REFERENCE	ORIGIN

14.08 TN A1

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

MASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ofessions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE

901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Edmondo's Trucking
ADDRESS: 1485 Bayshore
CITY, STATE, ZIP: San Francisco, CA
PHONE: 415 468-1303
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 8 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23876	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/01/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 180128

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GROSS
01	158477	

WEIGHMASTER
MARIA S

DATE IN	TIME IN
8 October 2002	10:48 am

DATE OUT	TIME OUT
8 October 2002	10:46 am

VEHICLE	TOO OFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 61,620.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 30,320.00 LB 15.16 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.16	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180129

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST #

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	
01	156480	
WEIGHMASTER		
NANCY		
DATE IN		TIME IN
8 October 2002		10:54 am
DATE OUT		TIME OUT
8 October 2002		10:54 am
VEHICLE		
D & W 98		
REFERENCE		
SAN FRANCISCO		

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 64,500.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 31,220.00 LB 15.61 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.61	TN	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
AMOUNT PAID
BALANCE
CHECK NO.

MANIFEST #180130

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible]

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
Alameda, CA 94501

PHONE
[illegible]

CONTACT PERSON
[illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point - Parcel E Landfill

WASTE ACCEPTANCE NO.
[illegible]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER [illegible]

ADDRESS 2868 Bush

CITY, STATE, ZIP [illegible] 94115

PHONE 415 776-0114

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES: | VEHICLE LICENSE NUMBER | TRUCK NUMBER
[illegible] | [illegible]

END DUMP	BOTTOM DUMP		TRANSFER
☐	☐		☐
ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180130

FORWARD
INCORPORATED

'999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN

DATE OUT	TIME OUT

VEHICLE	ROLL OFF

REFERENCE	ORIGIN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible] - San Francisco [illegible]

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
Alameda CA [illegible]

PHONE
[illegible]

CONTACT PERSON
Stephen F. [illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point - Parcel F Landfill

WASTE ACCEPTANCE NO.
[illegible]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
[illegible]

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[illegible]	[illegible]

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # [illegible]

FORWARD
INCORPORATED

)999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
.andfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN
DATE OUT	**TIME OUT**

VEHICLE	ROLL OFF

REFERENCE	ORIGIN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180136

FORWARD
INCORPORATED

1999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158461	

WEIGHMASTER: NARIA S

DATE IN	TIME IN
8 October 2002	10:33 am

DATE OUT	TIME OUT
8 October 2002	10:33 am

VEHICLE	ROLL OFF
SOLAND 153	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0117051S
2780 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94596
Contract: 2451#

Gross Weight 68,260.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 25,540.00 LB 14.77 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.77	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180133

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9862352	50/40 153

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 160138

FORWARD
INCORPORATED

1999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN
DATE OUT	**TIME OUT**

VEHICLE	ROLL OFF

REFERENCE	ORIGIN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3327

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste #200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: * (for the Navy)
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☒ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Brentwood Exp
ADDRESS: 2145 Geneva Ave
CITY, STATE, ZIP: S.F., CA 94134
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/8/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A92207	B-43

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 180135

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159227	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
9 October 2002	2:10 pm

DATE OUT	TIME OUT
9 October 2002	2:10 pm

VEHICLE	ROLL OFF #
BRENT 43	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 72,540.00 LB
Stored Tare Weight 31,000.00 LB
Net Weight 41,540.00 LB 20.77 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.77	TN 1	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180101

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A91207	

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180101

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	TIME	TRUCK
01	157228		

WEIGHMASTER: NANCY

DATE IN	TIME IN
9 October 2002	2:12 pm

DATE OUT	TIME OUT
9 October 2002	2:12 pm

VEHICLE	TRUCK CODE
MALHI 7	

REFERENCE	ORIGIN
	SAN FRANCISCO

Gross Weight 76,180.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 46,280.00 LB 23.14 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.14	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180102

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180102

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159214	

WEIGHMASTER: NANCY

DATE IN	TIME IN
9 October 2002	1:52 pm

DATE OUT	TIME OUT
9 October 2002	1:52 pm

VEHICLE	ROLL OFF
SOLSND 153	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 77,780.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 45,060.00 LB 22.53 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.53	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180103

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
	S-153

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 130103

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	PAID
01	159216	

WEIGHMASTER	
MARIA D	

DATE IN	TIME IN
9 October 2002	2:00 pm

DATE OUT	TIME OUT
9 October 2002	2:00 pm

VEHICLE	HOLD OFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

Gross Weight 76,440.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 45,140.00 LB 22.57 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.57	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

MANIFEST #160104

TENDERED

CHANGE

CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180104

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159205	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
9 October 2002	1:42 pm

DATE OUT	TIME OUT
9 October 2002	1:42 pm

VEHICLE	ROLL OFF
T & W 98	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 81,480.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 48,200.00 LB 24.10 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.10	TN	1 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #180105

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]
MAILING ADDRESS: [illegible]
CITY, STATE, ZIP: Alameda CA [illegible]
PHONE: [illegible]
CONTACT PERSON: Stephen F. Tuvano
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: D & W
ADDRESS: 2268 BUSH ST
CITY, STATE, ZIP: S.F. CA 94115
PHONE: 415 776-7114
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1KE 839 CA	0 98

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180105

FORWARD
INCORPORATED

outh Austin Road/WEIGHING LOCATION
ca, CA 95336
l: (209) 982-4298 / WEIGHING LOCATION
ce Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

*01	159015	
NANCY		
9 October 2002		10:29 am
9 October 2002		10:29 am
TAKHAR 22		
	SAN FRANCISCO	

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 69,980.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 39,060.00 LB 19.53 TN

Inbound - SCALE TICKET

TY.	UNIT		DESCRIPTION	RATE			
19.53	TN	11	CLASS II SOIL				

ER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is
ficate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business
ions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180107

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9542357	22

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐

ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180107

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE #	TICKET NO.	TRUCK NO.
01	159803	

WEIGHMASTER	
MARIA D	

DATE IN	TIME IN
9 October 2002	1140 pm

DATE OUT	TIME OUT
9 October 2002	1140 pm

AVERAGE	CONTRACT
NET 621	

REFERENCE #	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 79,380.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 45,900.00 LB 22.95 TN

Inbound - SCALE TICKET

QTY.	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.95	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180106

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]

MAILING ADDRESS: [illegible]

CITY, STATE, ZIP: Alameda, CA 94501

PHONE: [illegible]

CONTACT PERSON: [illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel A Landfill

WASTE ACCEPTANCE NO.: 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Network Trucking

ADDRESS: PO Box 24624

CITY, STATE, ZIP: S.F., CA 94124

PHONE: 415 715-9578

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]

DATE: [illegible]

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
933-269	621

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]

DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180106

FORWARD
INCORPORATED

159060

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN

DATE OUT	TIME OUT

VEHICLE	ROLL OFF

REFERENCE	ORIGIN

20.77 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3354

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: EDMONDS TRK
ADDRESS: 1485 Bayshore Blvd
CITY, STATE, ZIP: San Francisco CA 94124
PHONE: 415 468-1303
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B75876	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 180108

FORWARD
INCORPORATED

1999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

01	158986
NANCY	
9 October 2002	10:04 am
9 October 2002	10:06 am
S & S 30	
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 69,340.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 38,440.00 LB 19.22 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	DATE	SCALE	TIME	TRUCK
19.22	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GROSS WEIGHT
TARE WEIGHT
NET WEIGHT
CHANGE
CHECK NO.

MANIFEST #180109

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP
Alameda, CA 94501

PHONE

CONTACT PERSON
Stephen F. Tovatto

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER S & S Trucking

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
982-2162	30

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180109

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

008451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0111170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

TICKET 168985
MARTIN D
7 October 2005
7 October 2005
BRENT 63
SAN FRANCISCO

Gross Weight 66,020.00 LB
Stored Tare Weight 31,000.00 LB
Net Weight 35,020.00 LB 17.51 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION
17.51	TN	11	CLASS 11 SOIL

WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature in this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180110

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]
MAILING ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: [illegible]
CONTACT PERSON: [illegible]
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: [illegible]

WASTE ACCEPTANCE NO.: [illegible]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
- ☐ TYVEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[illegible]	[illegible]

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180110

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

TICKET: 014 158984
OPERATOR: NANCY
TIME IN: 9 October 2008 10:05 am
TIME OUT: 9 October 2008 10:05 am
VEHICLE: MALHI 7
DESTINATION: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 66,220.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 36,320.00 LB 18.16 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	UNIT PRICE	EXTENSION		
18.16	TN	11	CLASS 11 SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180111

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible] San Francisco Bay
MAILING ADDRESS: [illegible]
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) [illegible]
CONTACT PERSON: Stephen [illegible] Travalia
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☐ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
ADDRESS
CITY, STATE, ZIP
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A2509	MT

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180111

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158956	

WEIGHMASTER
NANCY

DATE IN	TIME IN
9 October 2002	9:46 am

DATE OUT	TIME OUT
9 October 2002	9:46 am

VEHICLE	ROLL OFF
SOLAND 153	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 67,820.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 35,100.00 LB 17.55 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.55	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180112

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]
MAILING ADDRESS: [illegible]
CITY, STATE, ZIP: Alameda CA 94501
PHONE: [illegible]
CONTACT PERSON: Stephen Tavalin
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Burners Point - Parcel B Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO.: 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: [illegible]
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: [illegible]

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[illegible]	[illegible]

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180112

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC
ARVIND ADHARYA - PO#0111706515
2750 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 73,180.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 41,880.00 LB 20.94TN

Inbound

QTY	UNIT	DESCRIPTION
20.94	TN	CLASS II SOIL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster or commodity in this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) Division 5 of the Business and Professions Code Administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #180113

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

2453

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A6352	34

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 130113

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET NO.
01	158932
CUSTOMER	
MARIA D	
DATE IN	TIME IN
9 October 2002	9:26 am
DATE OUT	TIME OUT
9 October 2002	10:26 am
TRUCK/VEHICLE	
U & W 98	
REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 76,540.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 43,260.00 LB 21.63 TN

Inbound - SCALE TICKET

QTY.	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.63	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

(-) CHANGE

CHECK NO.

MANIFEST #180114

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible]

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
Alameda CA 94501

PHONE
[illegible]

CONTACT PERSON
[illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Hunters Point - Parcel F Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.
241

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER D&W

ADDRESS 2966 Bush

CITY, STATE, ZIP S.F.

PHONE [illegible]

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
PX3409	D98

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180114

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	158940	

WEIGHMASTER
NANCY

DATE IN	TIME IN
9 October 2002	9:29 am

DATE OUT	TIME OUT
9 October 2002	9:29 am

VEHICLE	ROLL OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 73,000.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 39,520.00 LB 19.76 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.76	TN	11, CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #180115

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICA - San Francisco Bay

MAILING ADDRESS: 2450 Saratoga St. #[illegible]

CITY, STATE, ZIP: Alameda, CA 94501

PHONE: (510) 748-[illegible]

CONTACT PERSON: Stephen F. Tryalle

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

* [signature]

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel B Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: NO LURK TRUCKING

ADDRESS: P.O. Box 24624

CITY, STATE, ZIP: S.F., CA 94124

PHONE: 415 725-7528

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

* [signature] | 9 Oct 92

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
989269	621

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 180115

159300

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN
October	

DATE OUT	TIME OUT
October	

VEHICLE	ROLL OFF
COMON BEL	

REFERENCE	ORIGIN

16.24 TN A4

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AU 3367

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahia
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: RIMONCS IKK
ADDRESS: 1485 Bayshore Blvd
CITY, STATE, ZIP: San Francisco, CA 94124
PHONE: 415 468-1303
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 9 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23876	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: [illegible]

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 184095

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

01 059280

NANCY

2 October 200[illegible] [illegible] pm

2 October 200[illegible] [illegible] pm

TAKHAR 2E

SAN FRANC1600

0002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 73,040.00 LB
Stored Tare Weight 30,920.00 LB
Net Weight 42,120.00 LB 21.06 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	DATE	TIME		AMOUNT
21.06	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #164096

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Hunters Point - Parcel E Landfill

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9C92157	22

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 184096

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION — P.O. Box 6336
Manteca, CA 95336 — Stockton, CA 95206
andfill: (209) 982-4298 / WEIGHING LOCATION — Main Office: (209) 466-4482
esource Recovery: (209) 982-4936 — Fax: (209) 465-0631

[redacted]
159669
[redacted]
MANIFEST #
[redacted]
October 2006 [redacted]
[redacted]
October 2006 [redacted]
[redacted]
S 4 5 92
[redacted]
SAN FRANCISCO

005451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - FO#011170615
2750 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 24514

Gross Weight 72,690.00 LB — Inbound - SCALE TICKET
Stored Tare Weight 32,040.00 LB
Net Weight 40,560.00 LB 20.28 TN

QTY	UNIT	[redacted]	DESCRIPTION	[redacted]	[redacted]	[redacted]	[redacted]
20.28	TN	1	CLASS II SOIL				

WEIGHMASTER CERTIFICATE: THIS IS TO CERTIFY That the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (Commencing with Section 12700) of Division 10 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

[redacted]
[redacted]
[redacted]
[redacted]
[redacted]
[redacted]

MANIFEST #184697

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
[illegible]

MAILING ADDRESS
[illegible]

CITY, STATE, ZIP
Alameda CA 9450[illegible]

PHONE
[illegible]

CONTACT PERSON
[illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
Dunsmuir Point - Parcel B Landfill

WASTE ACCEPTANCE NO.
2[illegible]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER S+S Trucking

ADDRESS [illegible]

CITY, STATE, ZIP Oakland

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
6578468	32

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 184097

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

[redacted]

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#01117O515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 76,020.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 45,120.00 LB 22.56 TN

Inbound - SCALE 1 (OPEN)

QTY	UNIT	DESCRIPTION
22.56	TN	11 CLASS II SOIL

WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a [illegible] on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 commencing with Section 12700 [illegible] and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #184078

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROLK - San Francisco Bay

MAILING ADDRESS: 2450 Saratoga St. ste.#200

CITY, STATE, ZIP: Alameda, CA 94501

PHONE: (510) 748-3940

CONTACT PERSON: Stephen E. Tuvalian

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: S & S Trucking

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 9/24

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B22168	30

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 10/9/02

CUBIC YARDS: 11

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 184098

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

01 [redacted]
MARIA J. [redacted]
10 October 2007 [redacted]
10 October 2007 [redacted]
AMIJO 1170 [redacted]
SANTA ROSA

00 Gross Weight 62,520.00 LB
Stored Tare Weight 29,740.00 LB
Net Weight 32,780.00 LB 16.39 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	[redacted]
16.39	TN	11	CLASS II SOIL	

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #458909

[redacted]

DRIVER'S SIGNATURE

Keller Canyon Sanitary Landfill	☐ Ox Mountain Sanitary Landfill	☐ Newby Island Sanitary Landfill	☒ Forward Landfill
901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183	1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible] San Francisco Bay

MAILING ADDRESS: 2450 Santiago St [illegible] 5226

CITY, STATE, ZIP: Alameda CA 94501

PHONE: (510) 769-[illegible]

CONTACT PERSON: Stephen F. Trahla

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT

☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: NM Jot Trucking

ADDRESS: 2334 [illegible] Ave

CITY, STATE, ZIP: [illegible] CA 94544

PHONE:

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
05528899	1170

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature]

DATE:

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45803

FORWARD INCORPORATED

159745

999 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159745	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
10 October 2002	3:52 pm
DATE OUT	**TIME OUT**
10 October 2002	3:56 pm

VEHICLE	ROLL OFF
ATC 1022	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 71,480.00 LB
Stored Tare Weight 29,140.00 LB
Net Weight 42,340.00 LB 21.17 TN

Inbound - SCALE TICKET

21.17 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.17	TN	11 SOLIDS (1 BTL				

SHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is s certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST 44604

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: BOICC San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste F220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5946
CONTACT PERSON: Steven F. Tuelke
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.: -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER:
ADDRESS:
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
93 26217	1022

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. ANY UNSCHEDULED LOADS [illegible]

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

[redacted]
01 159202
[redacted]
NANCY
[redacted]
10 October 2003
[redacted]
10 October 2003 [redacted]
[redacted]
EOS 30
[redacted]
SAN FRANCISCO

Gross Weight 68,420.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 37,520.00 LB 18.76 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	[redacted]	[redacted]	[redacted]
18.76	TN	1 CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

[redacted]

MANIFEST #45805

[redacted]

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Robert San Francisco Bay

MAILING ADDRESS: 2101 Webster St Ste 220

CITY, STATE, ZIP: Oakland CA 94612

PHONE: 510-746-7366

CONTACT PERSON: Stephen F. Parks

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.: -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: S+S Trucking

ADDRESS:

CITY, STATE, ZIP:

PHONE:

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
5B32168	30

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * | DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45806

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

[redacted]

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 66,960.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 37,060.00 LB 18.53 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION
18.53	TN	11 CLASS II SOIL

WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster licensed under the on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #45907

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☒	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	❑	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL		
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45807

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN
DATE OUT	**TIME OUT**
VEHICLE	**ROLL OFF**

REFERENCE	ORIGIN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.91						

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by [illegible] on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of [illegible] and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

4

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]

MAILING ADDRESS: [illegible]

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510-749-5940

CONTACT PERSON: Stephen F. [illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: [illegible]

ADDRESS: [illegible]

CITY, STATE, ZIP: [illegible]

PHONE: [illegible]

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: [illegible]

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[illegible]	84

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE: [illegible]

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45809

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

01 139666

VICTORIA

10 October 2002 11:09 am

10 October 2002 11:59 pm

SOLANO 153

SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 66,300.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 33,580.00 LB 16.79 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE		
16.79	TN	11	CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #45810

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rosec - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST #220
CITY, STATE, ZIP: Manteca CA 95301
PHONE: 510-719-5940
CONTACT PERSON: Stephen F Tyalle
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: Sonco Trucking
ADDRESS: 5317 Gilman ST
CITY, STATE, ZIP: SF CA 94115
PHONE: 415 720-6732
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 16 Oct 92

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9562832	S-153

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45810

FORWARD
INCORPORATED

159643

999 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159643	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
10 October 2002	1:28 pm

DATE OUT	TIME OUT
10 October 2002	1:28 pm

VEHICLE	ROLL OFF
EDMON E21	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 67,140.00 LB
Stored Tare Weight 34,320.00 LB
Net Weight 32,820.00 LB 16.41 TN

Inbound - SCALE TICKET

16.41 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.41	TN	11 CLASS II SOIL				

IGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45811

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga ST Ste 220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: EDMONDS TRK
ADDRESS: 1485 Bayshore Blvd
CITY, STATE, ZIP: San Francisco CA 94112
PHONE: 415-468-1303
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23876	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS: 10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE [illegible]

MANIFEST # [illegible]

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	
01	159641
MARIA B	
10 October 2002	11:54 am
10 October 2002	12:24 pm
NET 621	
	SAN FRANCISCO

00 Gross Weight 70,540.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 37,060.00 LB 18.53 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE		
18.53	TN	11 CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster licensed under this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #45812

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rotec - San Francisco Bay
MAILING ADDRESS: 2150 Seventh St Ste 220
CITY, STATE, ZIP: Berkeley CA 94501
PHONE: 510-749-5910
CONTACT PERSON: Stephen F. Tranke
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Artwork Trucking
ADDRESS: P.O. Box 28624
CITY, STATE, ZIP: S.F., CA 94128
PHONE: 415 725-7528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9R91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/10/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45812

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	
01	159553
MARIA B	
10 October 2008	11:18 am
10 October 2008	11:17 am
AMIJO 1170	
REFERENCE	
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA --PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 68,820.00 LB
Stored Tare Weight 29,740.00 LB
Net Weight 34,080.00 LB 17.04 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE		
17.04	TN	11	CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #45613

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]

MAILING ADDRESS: [illegible]

CITY, STATE, ZIP: [illegible]

PHONE: [illegible]

CONTACT PERSON: [illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE: 9 0.1 [illegible]

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: [illegible]

ADDRESS: [illegible]

CITY, STATE, ZIP: [illegible]

PHONE: [illegible]

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: [illegible]

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23899	1170

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE: [illegible]

CUBIC YARDS: 10

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45813

FORWARD
INCORPORATED

159531

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
dfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

02451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	GRID
01	159531	

WEIGHMASTER
NANCY

DATE IN	TIME IN
10 October 2002	10:48 AM
DATE OUT	**TIME OUT**
10 October 2002	10:48 AM

VEHICLE	ROLL OFF
ATC 1022	

REFERENCE	ORIGIN
	SAN FRANCISCO

Gross Weight 70,360.00 LB
Stored Tare Weight 29,140.00 LB
Net Weight 41,220.00 LB 20.61 TN

Inbound - SCALE TICKET

20.61 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
Scale	Tn 1	CLASS II SOIL				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is his certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #42912

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Roice - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St Ste #220
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510-749-5940
CONTACT PERSON: Stephen F. Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Site.

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ~~ATC~~ HTC
ADDRESS: 14400 Vanconver Ct
CITY, STATE, ZIP: San Leo CA 94578
PHONE: 415-723-2996
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9826212	1022

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE: 01
TICKET: 159485
MARIA D
DATE: 10 October 2002
TIME: 10:00 am
DATE OUT: 10 October 2002
TIME OUT: 10:10 am
S & S 30
SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Inbound - SCALE TICKET

00 Gross Weight 69,780.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 38,880.00 LB 19.44 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TOTAL
19.44	TN	11 CLASS II SOIL			

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #45817

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]
MAILING ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: [illegible]
CONTACT PERSON: [illegible]
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 9 Oct 02

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
☐ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: Site 1

RECEIVING FACILITY

TRANSPORTER: [illegible]
ADDRESS
CITY, STATE, ZIP
PHONE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B22168	30

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE: [illegible]

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45817

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	CARRIER
01	159467	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
10 October 2002	9:46 am

DATE OUT	TIME OUT
10 October 2002	9:46 am

VEHICLE	ROLLOFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 68,040.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 36,740.00 LB 18.37 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.37	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45818

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ❑ DISPOSAL
- ❑ CONSTRUCTION
- ❑ DEBRIS
- ❑ SPECIAL WASTE
- ❑ SLUDGE
- ❑ WOOD
- ❑ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

– 245

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

❑ GLOVES ❑ GOGGLES ❑ RESPIRATOR ❑ HARD HAT
❑ TY-VEK ❑ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
	89

END DUMP	BOTTOM DUMP	TRANSFER
☒	❑	❑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
❑	❑	❑	❑

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
❑ SOIL		
❑ CONSTRUCTION DEBRIS		
❑ NON-FRIABLE ASBESTOS		
❑ WOOD		
❑ ASH		
❑ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45818

SALES COPY

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET
01	159510

WEIGHMASTER: VICTORIA

DATE IN: 10 October 2002 10:22 am

DATE OUT: 10 October 2002 10:22 am

VEHICLE: MALHI 7

REFERENCE:

FROM: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 68,200.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 38,300.00 LB 19.15 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION
19.15	TN	11 CLASS II SOIL		

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #45819

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A7509	M-7

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45819

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	LOG
01	159461	

WEIGHMASTER: MARIA D

DATE IN: 10 October 2002 TIME IN: 9:38 am

DATE OUT: 10 October 2002 TIME OUT: 9:38 am

VEHICLE: SOLANO 153 SOLVOT

REFERENCE: ORIGIN: SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 69,540.00 LB
Stored Tare Weight 32,720.00 LB
Net Weight 36,820.00 LB 18.41 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	DISPOSITION
18.41	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET WEIGHT

PAYMENT

CHANGE

CHECK NO.

MANIFEST #184092

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

241

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9862572	153

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 184056

FORWARD
INCORPORATED

159449

999 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011129515
1750 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 14516

SITE	TICKET	GRID
01	159449	

WEIGHMASTER: NANCY

DATE IN	TIME IN
10 October 2002	5:28 am
DATE OUT	**TIME OUT**
10 October 2002	5:29 am

VEHICLE	ROLL OFF
22MON 221	

REFERENCE	ORIGIN
	949 PA-[illegible]

Gross Weight 35,880.00 LB
Tared Tare Weight 34,580.00 LB
Net Weight 34,560.00 LB 17.28 TN

Inbound - SCALE TICKET

17.28 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.28	TN	[illegible] SOIL				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST [illegible]

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST AN 3369

GENERATOR: ROICC - San Francisco Bay
MAILING ADDRESS: 2450 Saratoga St. ste.#200
CITY, STATE, ZIP: Alameda, CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Stephen F. Tuyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill — SAN FRANCISCO

WASTE ACCEPTANCE NO. 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: EDMONDS TRK
ADDRESS: 1485 BAYSHORE Blvd
CITY, STATE, ZIP: SAN FRANCISCO CA. 94124
PHONE: 415-468-1303
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 10 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23576	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 10/10/96

CUBIC YARDS: 16

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # [illegible]

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159445	

WEIGHMASTER: NANCY

DATE IN	TIME IN
10 October 2002	9:21 am
DATE OUT	**TIME OUT**
10 October 2002	9:21 am

VEHICLE	ROLL OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 73,360.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 39,880.00 LB 19.94 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.94	TN	1 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #184094

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER Network Trucking

ADDRESS P.O. Box 24624

CITY, STATE, ZIP S.F. CA 94124

PHONE 415 725-7528

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B91269	621

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 184094

FORWARD
INCORPORATED

)999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159892	

WEIGHMASTER: MARIA S

DATE IN	TIME IN
11 October 2002	9:19 am

DATE OUT	TIME OUT
11 October 2002	9:19 am

VEHICLE	ROLL OFF
D & W 98	

REFERENCE	ORIGIN
	SAN FRANCISCO

008451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 67,700.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 34,420.00 LB 17.21 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.21	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02 MANIFEST #45801

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☑ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: [illegible]
MAILING ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]
PHONE: [illegible]
CONTACT PERSON: [illegible]
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.
-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: D & W
ADDRESS: 2868 BUSH
CITY, STATE, ZIP: S. E. CO GALIS
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11-20-92

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1X3 579 OKA	D-98

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45801

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

168

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	GRID
01	160061	

WEIGHMASTER: NANCY

DATE IN	TIME IN
11 October 2002	2:00 pm

DATE OUT	TIME OUT
11 October 2002	2:00 pm

VEHICLE	ROLL OFF
S & S 24	

REFERENCE	ORIGIN
	SAN FRANCISCO

00 Gross Weight 63,260.00 LB
Stored Tare Weight 30,820.00 LB
Net Weight 32,440.00 LB 16.22 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.22	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45820

DRIVER'S SIGNATURE Fred

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: KOICC - Hunter Point

MAILING ADDRESS: 2455 Saratoga Street Suite # 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: (510) 749-3940

CONTACT PERSON: Andrew Venosa

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: S+S TRUCKING

ADDRESS: 477 Bolivar Way

CITY, STATE, ZIP: Oakland CA

PHONE: (510) 885-3556

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 10/2 92

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A86422	24

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45820

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160067	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	2:07 pm

DATE OUT	TIME OUT
11 October 2002	2:07 pm

VEHICLE	WHOLESALE
D 3 W 98	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#01117051
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 70,140.00 LB
Stored Tare Weight 33,280.00 LB
Net Weight 36,860.00 LB 18.43 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.43	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45821

DRIVER'S SIGNATURE L. Mako

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rolce - Hunter Point
MAILING ADDRESS: 2430 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehlein
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.: -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: D & D
ADDRESS: 0868 BUSH
CITY, STATE, ZIP: S.F. CA 94112
PHONE: 415 216-8114
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11 Dec

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
1XB 870	D98

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45821

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160051	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	2:25 pm

DATE OUT	TIME OUT
11 October 2002	2:26 pm

VEHICLE	ROLL OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94596
Contract: 2451H

00 Gross Weight 63,620.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 30,140.00 LB 15.07 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.07	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE: THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45822

DRIVER'S SIGNATURE Will

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: NOICE - Alameda Point
MAILING ADDRESS: 2437 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uebsa
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.
- 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☑ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☑ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: M. Will Trucking
ADDRESS:
CITY, STATE, ZIP: S.F.
PHONE: 725-1528
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9891269	621

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 16

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45822

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160073	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	2:18 pm

DATE OUT	TIME OUT
11 October 2002	2:18 pm

VEHICLE	ROLL OFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 8451#

Gross Weight 64,460.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 33,160.00 LB 16.58 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.58	TN	11 CLASS II SOIL				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45823

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☑ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rolice Hutton Bat

MAILING ADDRESS: 2365 Santa Clara Street Ste 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510 749-9990

CONTACT PERSON: Andrew Hemse

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☑ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: Dawn Trucking

ADDRESS:

CITY, STATE, ZIP:

PHONE:

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 11/21

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A05250	84

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 10/21/92

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45823

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6330
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160088	

WEIGHMASTER
NANCY

DATE IN	TIME IN
11 October 2002	2:31 pm

DATE OUT	TIME OUT
11 October 2002	2:31 pm

VEHICLE	ROLL OFF
AMIJO 1170	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Al Cuddy

OQ Gross Weight 56,960.00 LB
Stored Tare Weight 29,740.00 LB
Net Weight 27,220.00 LB 13.61 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.61	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO

MANIFEST #45824

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rosie - Alameda Rent

MAILING ADDRESS: 2456 Santa Clara Street Ste 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510 749-5940

CONTACT PERSON: Andrew Debise

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

– 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: [illegible] Amigo Trucking

ADDRESS: [illegible]

CITY, STATE, ZIP: [illegible] CA

PHONE: [illegible]

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 11 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9525899	1170

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45824

SALES COPY

FORWARD
INCORPORATED

160101

'99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160101	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	2:53 pm
DATE OUT	**TIME OUT**
11 October 2002	2:53 pm

VEHICLE	ROLL OFF
EDMON 621	

REFERENCE	ORIGIN
	STOCKTON

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 62,380.00 LB
Stored Tare Weight 34,320.00 LB
Net Weight 28,060.00 LB 14.03 TN

Inbound - SCALE TICKET

14.03 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.03	TN	11 CLASS II SOIL				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is his certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45825

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: EDMONDS TRK
ADDRESS: 1420 BAYSHORE BLVD
CITY, STATE, ZIP: SAN FRANCISCO CA 94124
PHONE: 415 468-1300
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11 Oct 92

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B23806	E-21

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE

MANIFEST # 45825

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160129	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
11 October 2002	3:38 pm

DATE OUT	TIME OUT
11 October 2002	3:38 pm

VEHICLE	ROLLOFF
MALH1 7	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 59,780.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 29,880.00 LB 14.94 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.94	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

MANIFEST #45827

TENDERED

CHANGE

CHECK NO

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Royce Hunter Inc.
MAILING ADDRESS: 2450 Sacramento Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 415 749 5940
CONTACT PERSON: Andrew Wahlsa
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.
- 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
PALHI Expires

RECEIVING FACILITY:

TRANSPORTER:
ADDRESS:
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
	M-7

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/16

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45827

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
lanteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	160134	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
11 October 2002	3:49 pm

DATE OUT	TIME OUT
11 October 2002	3:49 pm

VEHICLE	ROLLOFF
S & S 30	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 68,480.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 37,580.00 LB 18.79 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.79	TN	11 CLASS II SOIL				

EIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is d this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business ed Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #45829

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: KOICC - Hunter Point

MAILING ADDRESS: 2450 Saratoga Street Ste 200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510 749-5940

CONTACT PERSON: Andrew Vehse

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. -2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: S & S Trucking

ADDRESS:

CITY, STATE, ZIP:

PHONE:

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B22168	30

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45829

SALES COPY

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	INGRID
01	160136	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
11 October 2002	3:52 pm

DATE OUT	TIME OUT
11 October 2002	3:52 pm

VEHICLE	TROU OFF
S & S 528	

REFERENCE	ORIGIN
	STOCKTON

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 66,160.00 LB
Stored Tare Weight 31,660.00 LB
Net Weight 34,500.00 LB 17.25 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.25	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #45830

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROKK - Hayes Point

MAILING ADDRESS: 2450 Stevens Street

CITY, STATE, ZIP: Alameda CA 94501

PHONE: 510 749-5940

CONTACT PERSON: Andrew Verna

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

-2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: SPS

ADDRESS:

CITY, STATE, ZIP:

PHONE:

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9R22167	28

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45830

FILE COPY

FORWARD INCORPORATED

160169

)9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ıdfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	GRID
01	160169	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
11 October 2002	5:31 pm

DATE OUT	TIME OUT
11 October 2002	5:31 pm

VEHICLE	ROLL OFF
ATC 435	

REFERENCE	ORIGIN
	SAN FRANCISCO

00 Gross Weight 70,660.00 LB
Stored Tare Weight 29,700.00 LB
Net Weight 40,960.00 LB 20.48 TN

Inbound - SCALE TICKET

20.48 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.48	TN	11 CLASS II SOIL				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is is certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #48031

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Rolcc - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehisa
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO. - 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☑ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☑ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: ATC
ADDRESS: 14400 VANCOUVER CT
CITY, STATE, ZIP: SAN JOSE, CA 95121
PHONE: 408 923-2946
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Wendy Weston
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9336209	455

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE

MANIFEST # 45831

159919

FORWARD INCORPORATED

99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
	159919	

WEIGHMASTER
NANCY

DATE IN	TIME IN
11 October 2002	10:00 am

DATE OUT	TIME OUT
11 October 2002	10:04 am

VEHICLE	ROLL OFF
EMON E21	

REFERENCE	ORIGIN
	SAN FRANCISCO

002431
NNOVATIVE TECHNICAL SOLUTIONS, INC.
RVIND ACHARYA - PO#011170515
730 SHADELANDS DRIVE, STE 100
ALNUT CREEK, CA 94598
ontract 2451#

Gross Weight 69,800.00 LB
Tared Tare Weight 34,320.00 LB
Net Weight 35,480.00 LB 17.74 TN

Incoming - SCALE TICKET

17.74

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.74	Ton	1 - Clean Fill Soil				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #152182

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN ~~3327~~ 3327

GENERATOR: ROICC-Hunter's Point

MAILING ADDRESS: 2450 Saratoga Street, Suite #200

CITY, STATE, ZIP: Alameda, CA 94501

PHONE: (510) 749-5940

CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAHLA

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.

~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: EDMANDS TRK

ADDRESS: 1485 BAYSHORE BLVD

CITY, STATE, ZIP: SAN FRANCISCO CA 94124

PHONE: 415 468-1303

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 10-11-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9623876	E

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 102132

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	PRICE
01	159913	

WEIGHMASTER
VICTORIA

DATE IN	TIME IN
11 October 2002	9:53 am

DATE OUT	TIME OUT
11 October 2002	9:53 am

VEHICLE	ROLLOFF
AMIJO 1170	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 57,980.00 LB
Stored Tare Weight 29,740.00 LB
Net Weight 28,240.00 LB 14.12 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.12	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

D-02 MANIFEST #162183

TENDERED

CHANGE

CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AU 3728

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 162183

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159926	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
11 October 2002	10:17 am

DATE OUT	TIME OUT
11 October 2002	10:17 am

VEHICLE	ROLLOFF
MALH1 7	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 57,740.00 LB
Stored Tare Weight 29,900.00 LB
Net Weight 27,840.00 LB 13.92 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.92	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT:

TENDERED:

CHANGE:

CHECK NO.:

MANIFEST #162184

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3329

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Hunters Point Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.

2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

MALM Sup.

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
	M7

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 162184

FORWARD
INCORPORATED

159960

99 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011,70515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	GRID
01	159960	

WEIGHMASTER	
MARIA D	

DATE IN	TIME IN
11 October 2002	11:15 AM

DATE OUT	TIME OUT
11 October 2002	11:15 AM

VEHICLE	ROLL OFF
ATC 435	

REFERENCE	ORIGIN
	SAN FRANCISCO

VG Gross Weight 50,700.00 LB
Stored Tare Weight 22,700.00 LB
Net Weight 33,000.00 LB 16.50 TN

Inbound - SCALE TICKET

16.50 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.50	TN	11 [illegible]				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #[illegible]

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3331

GENERATOR: ROICC-Hunter's Point

MAILING ADDRESS: 2450 Saratoga Street, Suite #200

CITY, STATE, ZIP: Alameda, CA 94501

PHONE: (510) 749-5940

CONTACT PERSON: ~~Peter Stroganoff~~ STEVE TYAMA

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO. ~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ATC

ADDRESS: 14400 VANCOUVER CT

CITY, STATE, ZIP: San Jose, CA 95127

PHONE: 408 992-2946

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Wendy Westrey | DATE: 11 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B36709	435

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] | DATE: 11/10/02

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 100186

FORWARD
INCORPORATED

159962

South Austin Road/WEIGHING LOCATION
teca, CA 95336
ill: (209) 982-4298 / WEIGHING LOCATION
urce Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159962	

WEIGHMASTER
MARIA D

DATE IN	TIME IN
11 October 2012	[illegible]
DATE OUT	**TIME OUT**
11 October 2012	[illegible]

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVINO ROMAPNA - [illegible]
2720 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
[illegible] 2418

Gross Weight [illegible]
Empty Tare Weight [illegible]
Net [illegible]

Inbound - STATE [illegible]

18.34 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.34	TN	[illegible] CLASS II [illegible]				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is his certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

[illegible]

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

AN 3332

GENERATOR: ROICC-Hunter's Point

MAILING ADDRESS: 2450 Saratoga Street, Suite #200

CITY, STATE, ZIP: Alameda CA 94501

PHONE: (510) 749-5940

CONTACT PERSON: ~~Peter Strozanoff~~ STEVE MATHA

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE: 10/11/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.

10/15/02 ~~2168~~ 29151

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ATC

ADDRESS: 14400 WAUGAUER CT

CITY, STATE, ZIP: SAN JOSE CA 95127

PHONE: 408-923-2946

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 11 Oct 02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9D26212	P1022

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 10/11

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☒ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST #

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159948	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
11 October 2002	10:53 am

DATE OUT	TIME OUT
11 October 2002	10:53 am

VEHICLE	ROLL OFF
S & S 30	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 66,900.00 LB
Stored Tare Weight 30,900.00 LB
Net Weight 35,900.00 LB 17.95 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.95	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

MANIFEST #162189

TENDERED

CHANGE

CHECK NO.

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICO Hunters Point
MAILING ADDRESS: 2450 Fernbrook Street, Suite #200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: Steve Tyrrle
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.: 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
- ☐ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: S.S. Trucking
ADDRESS:
CITY, STATE, ZIP:
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 11 Oct

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B22168	50

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/11

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 62189

FORWARD
INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	159949	

WEIGHMASTER	
VICTORIA	

DATE IN	TIME IN
11 October 2002	10:48 am

DATE OUT	TIME OUT
11 October 2002	10:48 am

VEHICLE	ROLL OFF
S & S S28	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2750 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

00 Gross Weight 60,760.00 LB
Stored Tare Weight 31,660.00 LB
Net Weight 29,100.00 LB 14.55 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.55	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #162190

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Treasure Island Naval Shipyard SAN FRANCISCO

WASTE ACCEPTANCE NO.

2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B 23167	28

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 162100

FORWARD
INCORPORATED

160171

SITE	TICKET	GRID
01	160171	

WEIGHMASTER
MARTA D

DATE IN	TIME IN
11 October 2006	5:37 pm
DATE OUT	**TIME OUT**
11 October 2006	5:37 pm

VEHICLE	ROLL OFF
ATC 1062	

REFERENCE	ORIGIN
	SAN FRANCISCO

9 South Austin Road/WEIGHING LOCATION
nteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
ource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0111[illegible]
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 24514

Gross Weight [illegible] LB
Stored Tare Weight [illegible] LB
Net Weight [illegible] LB [illegible] TN

Inbound - SCALE [illegible]

20.84 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
[illegible]	TN	[illegible]				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #[illegible]

DRIVER'S SIGNATURE _____

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROICC-Hunter's Point
MAILING ADDRESS: 2450 Saratoga Street, Suite #200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: (510) 749-5940
CONTACT PERSON: ~~Peter Stroganoff~~ Steve Tyahla
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 10/11/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.
10/10/02 ~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ATC
ADDRESS: ~~14400 VANCOUVER CT~~
CITY, STATE, ZIP: ~~SAN JOSE CA 95127~~
PHONE: ~~408 923 2946~~
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/11/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9826212	P 1022

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 102101

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	PO/GRID
01	159906	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2002	9:36 am

DATE OUT	TIME OUT
11 October 2002	9:38 am

VEHICLE	ROLL OFF
NET 621	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2730 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 61,360.00 LB
Stored Tare Weight 33,480.00 LB
Net Weight 27,880.00 LB 13.94 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.94	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

D-02 MANIFEST #184099

TENDERED

CHANGE

CHECK NO.

DRIVER'S SIGNATURE LA Ply

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ROKO - San Francisco Bay

MAILING ADDRESS: 2450 Saratoga [illegible]

CITY, STATE, ZIP: Alameda CA 94501

PHONE: (510) 749-5[illegible]

CONTACT PERSON: Stephen A. Tirado

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature]

DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO. 7451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: [illegible] TRUCKING

ADDRESS:

CITY, STATE, ZIP: S. F.

PHONE: 285-1528

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]

DATE: 11/[illegible]

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9F89269	621

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature]

DATE: 11/1/02

CUBIC YARDS: 12

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 134099

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	PO/ID
01	159908	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
11 October 2008	9:44 am

DATE OUT	TIME OUT
11 October 2008	9:49 am

VEHICLE	DOLLOFF
D & W 84	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#011170515
2780 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 58,840.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 27,540.00 LB 13.77 TN

Inbound - SCALE TICKET

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
13.77	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-OE

MANIFEST #184100

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

MAILING ADDRESS

CITY, STATE, ZIP

PHONE

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

Hunters Point - Parcel E Landfill SAN FRANCISCO

WASTE ACCEPTANCE NO.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER

ADDRESS

CITY, STATE, ZIP

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

*

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 184100

160912

FORWARD INCORPORATED

999 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
esource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002451
INNOVATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - PO#0111705I5
2720 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

SITE	TICKET	GRID
01	160912	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
15 October 2002	11:04 am
DATE OUT	**TIME OUT**
15 October 2002	11:04 am

VEHICLE	ROLL OFF
ATC 1022	

REFERENCE	ORIGIN
	SAN FRANCISCO

Gross Weight 70,990.00 LB
Stored Tare Weight 29,140.00 LB
Net Weight 41,840.00 LB 20.92 TN

Inbound - SCALE TICKET

20.92 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.92	TN	11 CLASS II SOIL				

IGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D-02

MANIFEST #45832

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Kolcc - Hunters Point
MAILING ADDRESS: 2450 Saratoga Street Suite 200
CITY, STATE, ZIP: Alameda CA 94501
PHONE: 510 749-5940
CONTACT PERSON: Andrew Uehise
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 10/15/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY

WASTE ACCEPTANCE NO. -24511

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ATC
ADDRESS: 14400 Monterey Rd
CITY, STATE, ZIP: San Jose CA 95127
PHONE: (408) 923-2546
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/15/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9B26212	1022

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/15/02

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 45832

SALES COPY

161162

FORWARD
INCORPORATED

'99 South Austin Road/WEIGHING LOCATION
anteca, CA 95336
ndfill: (209) 982-4298 / WEIGHING LOCATION
source Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	161152	

WEIGHMASTER: MARIA D

DATE IN	TIME IN
15 October 2002	4:00 PM

DATE OUT	TIME OUT
15 October 2002	4:10 PM

VEHICLE	ROLL OFF
4TL 1022	

REFERENCE	ORIGIN
	SAN FRANCISCO

002451
UNIGRATIVE TECHNICAL SOLUTIONS, INC.
ARVIND ACHARYA - FOR01170515
2330 SHADELANDS DRIVE, STE 100
WALNUT CREEK, CA 94598
Contract: 2451#

Gross Weight 72,140.00 LB
Stored Tare Weight 24,140.00 LB
Net Weight 48,000.00 LB 21.50 TN

Inbound - SCALE TICKET

21.50 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.50	TN	1 CLASS II SOIL				

GHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business d Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

MANIFEST #152211

DRIVER'S SIGNATURE

☐ Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	☐ Ox Mountain Sanitary Landfill 12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183	☐ Newby Island Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	☒ Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: FOICC Hunter's Point

MAILING ADDRESS: 2450 Saratoga Street, Suite #200

CITY, STATE, ZIP: Alameda, CA 94501

PHONE: (510) 749-5940

CONTACT PERSON: ~~Pete Gutman~~ Steve Tyahla

SIGNATURE OF AUTHORIZED AGENT / TITLE: *

DATE: 10/15/96

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, **If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Hunters Point Naval Shipyard — SAN FRANCISCO

WASTE ACCEPTANCE NO.: ~~2168~~ 2451

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: ATC

ADDRESS: 1440 Harbor Bay Pkwy

CITY, STATE, ZIP: San Leandro CA 94577

PHONE: (408) 773-2946

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 10/15/96

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9826612	1-22

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 10/15/96

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 62211

11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco
Uniform Hazardous Waste Manifest
Contract No. N68711-D-6110-0003

Number	Date	Manifest Number	Container Number	Quantity (ton)	Transporter
1	14-Oct.	22023804	300 080	28.07	Al Curry
2	14-Oct.	22023805	300 035	31.08	ATC
3	14-Oct.	22023806	300 166	26.04	Barbary Coast
4	14-Oct.	22023807	300 109	22.57	Brown & Son
5	14-Oct.	22023809	300 114	26.94	Al Curry
6	14-Oct.	22023810	300 163	28.11	ATC
7	14-Oct.	22023813	300 146	28.16	Barbary Coast
8	14-Oct.	22023814	300 029	30.75	Brown & Son
9	14-Oct.	22023824	300 127	27.89	Brown & Son
10	14-Oct.	22023829	300 120	27.25	ATC
11	14-Oct.	22023832	300 052	28.32	Al Curry
12	14-Oct.	22023833	300 069	27.18	Barbary Coast
13	14-Oct.	22023834	300 158	27.81	Brown & Son
14	14-Oct.	22023835	300 178	27.87	ATC
15	14-Oct.	22023836	300 107	26.99	Al Curry
16	14-Oct.	22023837	300 104	26.03	Barbary Coast
17	14-Oct.	22023838	300 019	27.71	Brown & Son
18	14-Oct.	22023839	300 056	28.57	ATC
19	14-Oct.	22023840	300 162	30.97	Al Curry
20	14-Oct.	22023841	300 130	29.43	Barbary Coast
21	14-Oct.	22023842	300 088	28.61	Brown & Son
22	14-Oct.	22023843	300 140	28.93	ATC
23	14-Oct.	22023844	300 020	29.38	Barbary Coast
24	14-Oct.	22023845	300 039	29.25	Al Curry
25	14-Oct.	22023846	300 016	26.63	Brown & Son
26	14-Oct.	22023847	300 149	29.64	ATC
27	14-Oct.	22023848	300 017	29.43	Barbary Coast
28	14-Oct.	22023849	300 116	23.39	Brown & Son
29	14-Oct.	22023850	300 055	23.06	Al Curry
30	14-Oct.	22023851	300 161	23.01	ATC
31	14-Oct.	22023852	300 112	27.41	Barbary Coast
32	14-Oct.	22023853	300 026	26.17	Brown & Son
33	14-Oct.	22023854	300 147	25.4	Al Curry
34	14-Oct.	22023855	300 132	28.07	ATC
35	14-Oct.	22023857	300 105	27.9	Barbary Coast
36	14-Oct.	22023858	300 087	24.01	Brown & Son
				988.03	

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0179

CONSIGNEE (DELIVERED TO) E.C.D.C	UNDERLYING CARRIER BROWN & SON	Date 10/12/2002	Rate
ADDRESS 160 CARGO WAY	ADDRESS 22 VISTA VIEW CT	TRUCK NO. 167	TRAILER NO.
CONSIGNOR (RECEIVED) 1751 [illegible]	I.D. NO / NO. AXLES	TARE WEIGHT 30060	S (M) T W T F S
ADDRESS	TYPE EQUIPMENT ☐ #10 WHEELER ☐ TRANSFER ☐ PUP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☐ SEMI END		TONS
COMMODITY [illegible]	JOB NO./DESCRIPTION [illegible]		LOADS
Precise Point of Origin [illegible]	Precise Point of Destination [illegible]		TOLLS HOURS

No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS	No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	[illegible] 127		6:30	7:45	8:00	8:15	22023824	9	300109		3:05	3:35	3:43	3:53	22023907
2	300158		8:18	8:30	8:40	8:59	22023834	10	300[illegible]		4:[illegible]	4:49	5:00		22023914
3	300019		9:10	9:29	9:40	10:12	22023838	11							
4	300158		10:20	10:40	10:54	11:18	22023842	12							
5	300016		11:30	11:56	12:00	12:10	22023846	13							
6	300116		12:27	12:35	12:45	1:00	22023849	14							
7	300026		1:10	1:25	1:45	1:50	22023853	15							
8	300069		2:00	2:15	2:50	3:00	22023858	16							

REMARKS	START TIME	STOP TIME 5:05	DEDUCT TIME / NET TIME HRS.
	DRIVERS SIGNATURE [signature]		INITIAL HERE FOR NO LUNCH
	RECEIVED BY X [signature]		

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0177

CONSIGNEE (DELIVERED TO) LFCDC	UNDERLYING CARRIER ATC	Date 10/21 2002	Rate 40
ADDRESS [illegible] SF	ADDRESS [illegible]	TRUCK NO. 1022	TRAILER NO.
CONSIGNOR (RECEIVED) [illegible]	I.D. NO. / NO. AXLES / TARE WEIGHT	S M T W T F S	
ADDRESS [illegible]	TYPE EQUIPMENT ☐ #10 WHEELER ☐ DBL BOTTOM ☐ TRANSFER ☐ SEMI BOTTOM ☑ PUP ☐ SEMI END	TONS	
COMMODITY [illegible]	JOB NO./DESCRIPTION [illegible]	LOADS	
Precise Point of Origin [illegible]	Precise Point of Destination [illegible]	TOLLS / HOURS	

No	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	[illegible]		630	755	805	820	[illegible]
2	[illegible]		830	[illegible]	850	910	[illegible]
3	[illegible]		920	940	947	1015	[illegible]
4	[illegible]		[illegible]	[illegible]	1102	1128	[illegible]
5			1135	[illegible]	1218	1231	[illegible]
6	300199		[illegible]	1258	105	125	[illegible]
7	[illegible]		1229				
8	[illegible]		132	[illegible]	215	228	[illegible]
	[illegible]		235	[illegible]	317	327	[illegible]

No	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
9	[illegible]		336	417	425	441	[illegible]
10	300172		448	450	457	515	[illegible]
11							
12							
13							
14							
15							
16			5:15				

REMARKS [illegible]

START TIME 6:15 | STOP TIME 4:50 | DEDUCT TIME — | NET TIME HRS. 10½ Hrs

DRIVERS SIGNATURE [illegible]

RECEIVED BY X [illegible]

INITIAL HERE FOR NO LUNCH

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

PUC No. 99419

Mail white and yellow copies to AL CURRY TRUCKING within 3 days of **tag date**.

AL CURRY TRUCKING

P.O. Box 24498
San Francisco, California 94124
(415) 822-9422 Pager: (415) 764-8325

BE NO. FRBHA 19-746289

No. 01187

CONSIGNEE (DELIVERED TO): E.C.D.C.
ADDRESS: 100 Cargo Way S.F.
CONSIGNOR (RECEIVED): E.I.S.I.
ADDRESS: Hunters Point S.F.
COMMODITY: Class I & LTRC
TARE WEIGHT: A 30.160
Precise Point of Origin: 100 Cargo Way SF Cal

UNDERLYING CARRIER: Al Curry
ADDRESS: SF Cal
I.D. NO.: 2501
MILES:
PROD AREA:
DELIVERY ZONE:
NO AXELS: 5
DISTANCE BETWEEN AXELS:
CUBIC YARD CAPACITY:
TYPE EQUIP: ☐ #10 WHEELER ☐ TRANSFER ☐ PUP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☒ SEMI END
Precise Point of Destination: Hunters Point S.F.

Date: 10/14 2002 19
Rate: 40 L.
TRUCK NO: A-5
TRAILER NO:
S (M) T W T F S

▼ OFFICE USE ONLY ▼

No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	052	56.680	6:30A	8:15A	8:30A	8:45A	2202383
2	107	54.020	8:45A	8:50A	9:20A	9:45A	2202383
3	162	62.060	9:50A	10:00A	10:15A	10:30A	2202383
4	039	58.340	11:00A	11:15A	11:30A	11:45A	2202383
5	055		12:15P	12:25P	12:40P	12:55P	2202385
6	147		1:10P	1:25P	1:40P	1:55P	2202385
7	080		2:15P	2:25P	2:35P	3:00P	2202385
8	114		3:10P	3:20P	3:30P	3:55P	2202385

No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
9	086		4:10P	4:20P	4:50P	4:55P	
10							
11							
12							
13							
14							
15							
16							

REMARKS

START TIME: 5:45A
STOP TIME: 5:15P
DEDUCT TIME: ∅
HRS.: 11½ HR
NET TIME:
DRIVER'S SIGNATURE: D.P.S.
RECEIVED BY: X Dennis Hill

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1 1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0182

CONSIGNEE (DELIVERED TO) O.C.S.C.	UNDERLYING CARRIER Oakhill Coast	Date 10/14 2002	Rate 125 PER Hr
ADDRESS S.F. Ca	ADDRESS 2801 Jerrold St 1156 S.F. Ca 94124	TRUCK NO. 02	TRAILER NO.
CONSIGNOR (RECEIVED) ITSE	I.D. NO / NO. AXLES 5 / TARE WEIGHT	S ✓ M T W T F S	
ADDRESS	TYPE EQUIPMENT ☐ #10 WHEELER ☐ TRANSFER ☐ PUP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☐ SEMI END	TONS	
COMMODITY Tan Dirt	JOB NO./DESCRIPTION	LOADS	
Precise Point of Origin Hunters Point Sh 2440	Precise Point of Destination Yosta Sh Railhead	TOLLS HOURS	

No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1	300069	22023813	700	815	829	854	
2	300104	22023820	845	921	931	1007	
3	300130	22023844	1007	1038	1045	1105	
4	300028	22023844	1105	1118	1135	1150	
5	300117	22023848	1205	1220	1230	1248	
6	300112	22023853	1248	108	115	132	
7	300105	22023[illegible]	140	220	228	241	
8	[illegible]	22023860	249	320	329	342	

No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
9	300146	22023813	350	428	436	500	
10			428				
11							
12							
13							
14							
15							
16							

REMARKS

START TIME 700 | STOP TIME 500 | DEDUCT TIME — | NET TIME HRS. 10

DRIVERS SIGNATURE [signature]

RECEIVED BY X [signature]

INITIAL HERE FOR NO LUNCH 4.5 hr

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22324
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023824
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son
6. US EPA ID Number: CAR000097519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone 4158455590

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State / EPA/Other 611 Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call: Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93057
Container No: NVR4 300127

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretta Rudolph for UP — Signature: Loretta Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22372B
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023834

B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son
6. US EPA ID Number: CAL000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2575

Railcar No: ECXX 93040
Container No: NVRU 300-158

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: Robert John — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700-22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000101969422332 Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023838
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son
6. US EPA ID Number: CAR000097519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 8455390

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2177
Railcar No: ECXX 93035
Container No: NVRU 300-019

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: Robert Johnson — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22336
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023842

B. State Generator's ID:

5. Transporter 1 Company Name: Brown & Son TTK
6. US EPA ID Number: CAR000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (415) 845 5340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In Case of Emergency or Information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93183
Container No: NRU 300-088

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000190694 Manifest Document No. 22340
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023846

B. State Generator's ID

5. Transporter 1 Company Name: Brown & Sav TRK
6. US EPA ID Number: CAR000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93131
Container No: NVRU 300-016

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson Signature: Robert Johnson Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP Signature: Loretha Rudolph Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000196942 — Manifest Document No. 2343 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023349

B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son TRK — 6. US EPA ID Number: CAR000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179 — 8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520 — 10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93186
Container No: NVRU 300 116

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000 1019694 Manifest Document No. 223417
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023853
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son Trk
6. US EPA ID Number: CAD009097519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93219
Container No: NVRU 300 026 ~~027~~ 5

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22351
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023858

B. State Generator's ID:

5. Transporter 1 Company Name: Brown & Son TRK
6. US EPA ID Number: CAR000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2155

Railcar No: ECXX 93089
Container No: NVRU 300-087

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000101961942 Manifest Document No. 23 14
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023807
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son TRK
6. US EPA ID Number: CAR000097519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 845 5390

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93143
Container No: NVRU 300-109

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA
Signature: [signature] ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson
Signature: [signature]
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP
Signature: Loretha Rudolph
Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000101969422 3 1 B — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023814
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son TRK
6. US EPA ID Number: CAR000097519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-1755
Railcar No: ECXX 93143
Container No: NVRU 300 029

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22325

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023829

B. State Generator's ID:

5. Transporter 1 Company Name: ATC

6. US EPA ID Number: CAR000014910

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93060
Container No: NVR4 300 120

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL Westover — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA900101969 — Manifest Document No. 22219
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023835

B. State Generator's ID

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000049100

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93040
Container No: NVRU 300-178

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL WESTOVER — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22333 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023839

B. State Generator's ID:

5. Transporter 1 Company Name: ATC

6. US EPA ID Number: CAR000001491 0

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93035
Container No: NVRU 300-056

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL WESTOVER — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22373
2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023843
B. State Generator's ID:

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000001491 0
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 408 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID: UTAH 94-22
H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93131
Container No: NVRU 300-140

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL Westover — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lorethia Rudolph for UP — Signature: Lorethia Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000119694 — Manifest Document No. 223441 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023847

B. State Generator's ID

5. Transporter 1 Company Name: ATC — 6. US EPA ID Number: CAR000014910

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179 — 8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93198
Container No: NVRU 300149

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL WESTOVER — Signature: Al Westover — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lorretha Rudolph for UP — Signature: Lorretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700-22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000119694 — Manifest Document No. 22345
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023851

B. State Generator's ID:

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000014910

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
[a] Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2765
Railcar No: ECXX 93186
Container No: NVRU-300-161

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL Westover — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700--22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000119694 — Manifest Document No. 22349 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023855

B. State Generator's ID:

5. Transporter 1 Company Name: ATC

6. US EPA ID Number: CAR000014910

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 022155

Railcar No: ECXX 93089
Container No: NVRU 300132

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL WESTOVER — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretta Rudolph for UP — Signature: Loretta Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA900/019694 Manifest Document No. 22312
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023805

B. State Generator's ID

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000019110

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2155
Railcar No: ECXX 93073
Container No: NVRU 300 035

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA
Signature: [signature] ON BEHALF
Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL Westover
Signature: Al Westover
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP
Signature: Loretha Rudolph
Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700--22

Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22316 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023810
B. State Generator's ID:

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000014910
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 408-923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID: UTAH 94-22
H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: EGXX 93143
Container No: NVR4 300163

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 4 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL WESTOVER — Signature: [signature] — Month 10 Day 4 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lorethia Rudolph for UP — Signature: Lorethia Rudolph — Month 10 Day 4 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110196942 Manifest Document No. 2326
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023832
B. State Generator's ID

5. Transporter 1 Company Name al Curry
6. US EPA ID Number CAD009564616
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State / EPA/Other 611 Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call: Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 95060
Container No: NVRU 300-052

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA | Signature: ON BEHALF OF | Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPIKENER | Signature | Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP | Signature: Loretha Rudolph | Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson | Signature | Month | Day | Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 Manifest Document No. 22330
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023836

B. State Generator's ID

5. Transporter 1 Company Name: Cal Cury
6. US EPA ID Number: CAD009564616

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93040
Container No: NVRU 300-107

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 1 Year 4 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPIKENER Signature: Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP Signature: Loretha Rudolph Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Jana Johnson Signature: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110196942 Manifest Document No. 23314
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023840

B. State Generator's ID

5. Transporter 1 Company Name
Al Curry

6. US EPA ID Number CA000956416

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179

8. US EPA ID Number NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93183
Container No: NVRU 300 162

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

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Printed/Typed Name: STEPHEN F. TYAHLA | Signature: [signature] ON BEHALF OF | Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPIRENER | Signature: [signature] | Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP | Signature: Loretha Rudolph | Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson | Signature: | Month | Day | Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700--22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22339 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023845

B. State Generator's ID:

5. Transporter 1 Company Name: al Curry — 6. US EPA ID Number: CA0009516416

C. State Transporter's ID [Reserved.]

D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179 — 8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 — b. — c. — d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93198

Container No: NVRU 300-039

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPIRENER — Signature: — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretta Rudolph for UP — Signature: Loretta Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 223414
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023850

B. State Generator's ID:

5. Transporter 1 Company Name: al Curry
6. US EPA ID Number: CAD009156416

C. State Transporter's ID [Reserved.]

D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State: 611; EPA/Other: Non-RCRA
b.					State: ; EPA/Other:
c.					State: ; EPA/Other:
d.					State: ; EPA/Other:

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93186
Container No: NVRU 300-055

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID P SPIKENER — Signature: David P Spikener — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22348
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023854
B. State Generator's ID:

5. Transporter 1 Company Name: Al Curry
6. US EPA ID Number: CAD009154

C. State Transporter's ID [Reserved.]
D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]
F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22
H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 022155
Railcar No: ECXX 93219
Container No: ~~HVRU~~ SV-NV-300-147

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID P. SPIKENER — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dorethia Rudolph for UP — Signature: Dorethia Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981019694 — Manifest Document No. 22311 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023804

B. State Generator's ID:

5. Transporter 1 Company Name: Al Curry

6. US EPA ID Number: CAD009156414

C. State Transporter's ID [Reserved.]:

D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]:

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call.
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93073
Container No: NVRU-300-080

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID P. SPIKENER — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lorretha Rudolph for UP — Signature: Lorretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110196942 Manifest Document No. 2231 15
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023809

B. State Generator's ID

5. Transporter 1 Company Name: Al Curry
6. US EPA ID Number: CAD009564

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93143
Container No: NVRU 300-114

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID P. SIKENEUR Signature: Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP Signature: Loretha Rudolph Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 Manifest Document No. 22327
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023833
B. State Generator's ID

5. Transporter 1 Company Name: BayBay Coast
6. US EPA ID Number: CAD983672553
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:

Railcar No: ECXX 93060
Container No: NVRU 300-069

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA Signature: [signature] ON BEHALF OF Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BayBay Coast Signature: [signature] Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joretha Rudolph for UP Signature: Joretha Rudolph Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700-22

State of California—Environmental Protection Agency
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22331

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023837

B. State Generator's ID:

5. Transporter 1 Company Name: Bay Area Coast

6. US EPA ID Number: CAD983672635

C. State Transporter's ID [Reserved.]

D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 07.2755

Railcar No: ECXX 930355

Container No: NVRU 300-104

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bay Area Coast — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
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Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 72335
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023841

B. State Generator's ID:

5. Transporter 1 Company Name: Bay Coast
6. US EPA ID Number: CAD983672635

C. State Transporter's ID [Reserved.]

D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2155

Railcar No: ECXX 93183
Container No: NVRU 300-130

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BAY COAST — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22338
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023844
B. State Generator's ID:

5. Transporter 1 Company Name: Bay Area Coast
6. US EPA ID Number: CAD983672635
C. State Transporter's ID [Reserved.]
D. Transporter's Phone:

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID: UTAH 94-22
H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93131
Container No: NVRU 300-020

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BAY AREA COAST — Signature: [illegible] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP — Signature: Loretha Rudolph — Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700-22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000119694 Manifest Document No. 22342
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023848
B. State Generator's ID

5. Transporter 1 Company Name: Bay Coast
6. US EPA ID Number: CAD983672663
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-27555
Railcar No: ECXX 93198
Container No: NVRU-300 017

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bay Coast / Fennie Pate Signature: Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP Signature: Loretha Rudolph Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000101969 4 Manifest Document No. 22346
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023852
B. State Generator's ID

5. Transporter 1 Company Name: BAYBAY COAST
6. US EPA ID Number: CAD983672635
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-1755
Railcar No: ECXX 93219
Container No: NVRU-300-112

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA | Signature: [signature] ON BEHALF OF | Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BAYBAY COAST / JIMMIE BOLLS | Signature: [signature] | Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP | Signature: Loretha Rudolph | Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson | Signature: | Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 Manifest Document No. 22350
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510)749-5940

A. State Manifest Document Number 22023857

B. State Generator's ID

5. Transporter 1 Company Name: BarBarCoast
6. US EPA ID Number: CA998367245

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755

Railcar No: ECXX 93089
Container No: NVRU 300 105

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA
Signature: [signature] ON BEHALF OF
Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BARBARCOAST Jimmie Potts
Signature: [signature]
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP
Signature: Loretha Rudolph
Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 Manifest Document No. 22313
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023806
B. State Generator's ID

5. Transporter 1 Company Name: Barbary Coast
6. US EPA ID Number: CAD983672635
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Enivronmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-2755
Railcar No: ECXX 93073
Container No: NVRU-300 166

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BARBARY COAST / JIMMIE BUS Signature: Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretha Rudolph for UP Signature: Loretha Rudolph Month 10 Day 14 Year 02

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110196942 Manifest Document No. 23 17
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023813
B. State Generator's ID

5. Transporter 1 Company Name: Barbary Coast
6. US EPA ID Number: CAD983672635
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No: 02-25/55
Railcar No: ECXX 93181
Container No: NVRU 300146

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BARBARY COAST / JIMMIE POTTS
Signature: Jimmie Potts
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Loretta Rudolph for UP
Signature: Loretta Rudolph
Month 10 Day 14 Year 02

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

HPS LFGRA

CLASS II TRENCH SOIL

* WASTE PROFILE SHEET
* FIELD SKETCH
* ANALYTICAL DATA

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: FORWARD
an Allied Waste Company

Waste Profile #
AWI Sales Rep:
Date:

I. Generator Information

Generator Name: NAVY Reice SF BAY AREA – HUNTERS POINT			
Generator Site Address: HUNTERS POINT SHIPYARD			
City: SAN FRANCISCO	County: SAN FRANCISCO	State: CA	Zip:
State ID/Reg No:	State Approval/Waste Code: (if applicable)		SIC Code:
Generator Mailing Address (if different): 2450 SARATOGA ST., STE 200			
City: ALAMEDA	County: ALAMEDA	State: CA	Zip: 94501
Generator Contact Name: STEPHEN F. TYAHLA			
Phone Number: 510-749-5940		Fax Number: 510-749-5949	

IIa. Transporter Information

Transporter Name:		Contact Name:	
Transporter Address:			
City:	County:	State:	Zip:
Phone Number:	Fax Number:	State Transportation Number:	

IIb. Billing Information

Bill To: INNOVATIVE TECHNICAL SOLUTIONS, INC		Contact Name: ARVIND ACHARYA	
Billing Address: 2730 SHADELANDS DR, #100, WALNUT CREEK			
City: WALNUT CREEK	State: CA	Zip: 94598	Phone Number: 925-946-3106

III. Waste Stream Information

Name of Waste:	CONTAMINATED SOIL / DEBRIS
Process Generating Waste:	TRENCH EXCAVATION
Type of Waste -NA-	☐ INDUSTRIAL PROCESS WASTE or ☐ POLLUTION CONTROL WASTE
Physical State:	☑ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: ____:
Method of Shipment:	☑ BULK ☐ DRUM ☐ BAGGED ☐ OTHER:
Estimated Annual Volume:	☑ CUBIC YARDS: 919 ☐ TONS: ____ ☐ GALLONS ____ ☐ OTHER:
Frequency:	☑ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER:
Special Handling Instructions:	

IV. Representative Sample Certification

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☑ YES or ☐ NO
Sample Date: 09-17-2002	Type of Sample: ☑ COMPOSITE SAMPLE ☐ GRAB SAMPLE
Laboratory: McCAMPBELL ANALYTICAL	Sample ID Numbers: HP-091702-A
Sampler s Employer: INNOVATIVE TECHNICAL SOLUTIONS, INC	HP-091702-E & HP-091702-F
Sampler s Name (printed): SCOTT LOVESY	Signature: Arvind Acharya FOR SCOTT LOVESY

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components ~~NA~~	% by Weight (range)
1. SOIL	90
2. DEBRIS - GARBAGE - MIXED	10
3.	
4.	
5.	

Color	Odor (describe)	Free Liquids	% Solids	pH:	Flash Point	Phenol
BROWN	- NONE -	☐ YES or ☑ NO Content ____%	>50%	- NA	- NA - ____°F	- NA - ____ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☑ No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☑ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☑ No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste Industries, Inc. The undersigned individual warrants that he/she is authorized to sign this document on behalf of the Generator.

STEPHEN F. TYAHLA, PROJECT ENG	NAVY KOICC SF BAY AREA
Authorized Representative Name And Title (Printed)	Company Name
[signature]	03 OCTOBER 2002
Authorized Representative Signature	Date

VII. Allied Waste Decision

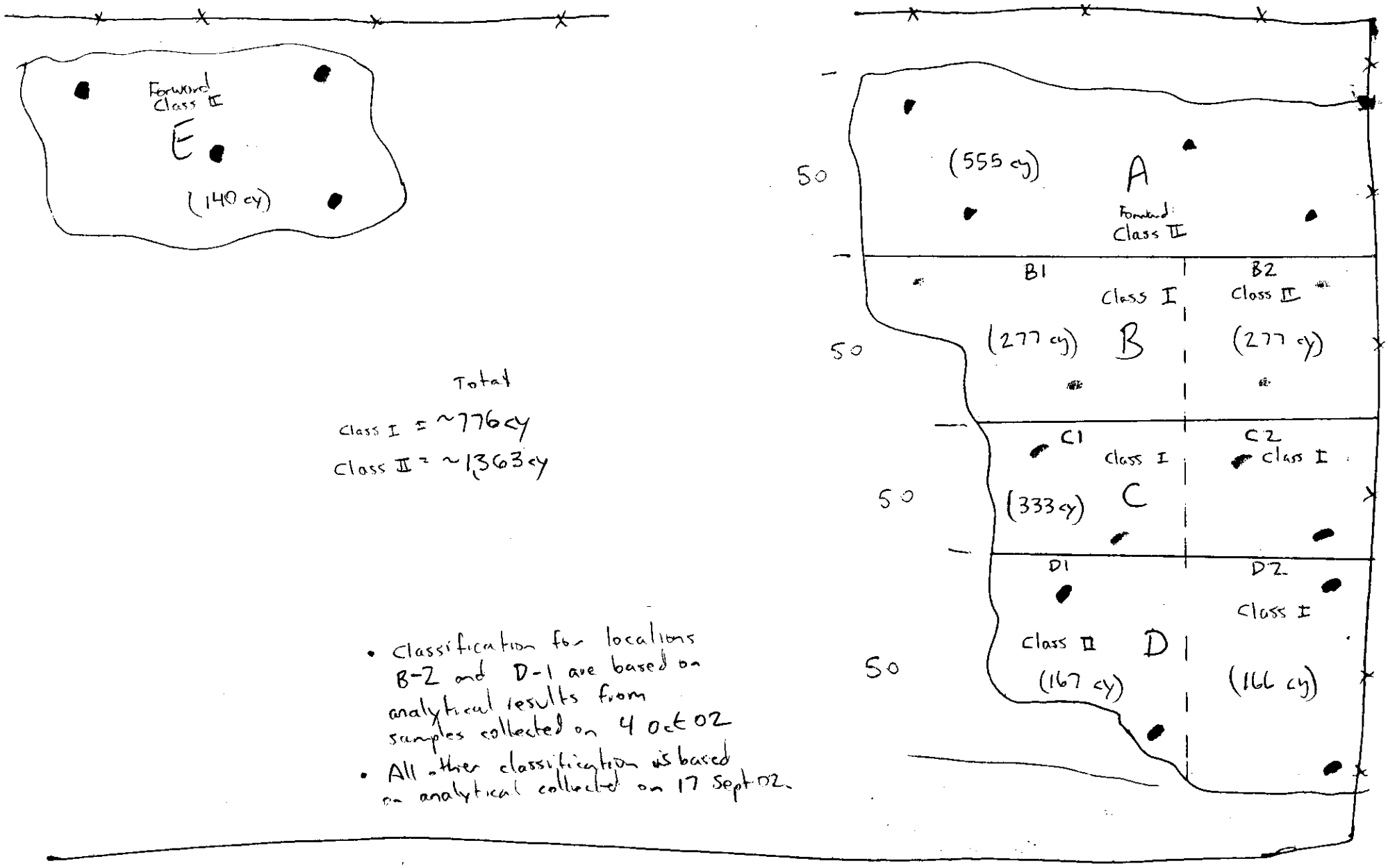
Approved Rejected Expiration: _____

Conditions:

Name, Title	Signature	Date

SAMPLE COLLECTION LOG
9/17/02
SCOTT LOVESY

STOCK PILE YARD



Total

Class I = ~776 cy

Class II = ~1363 cy

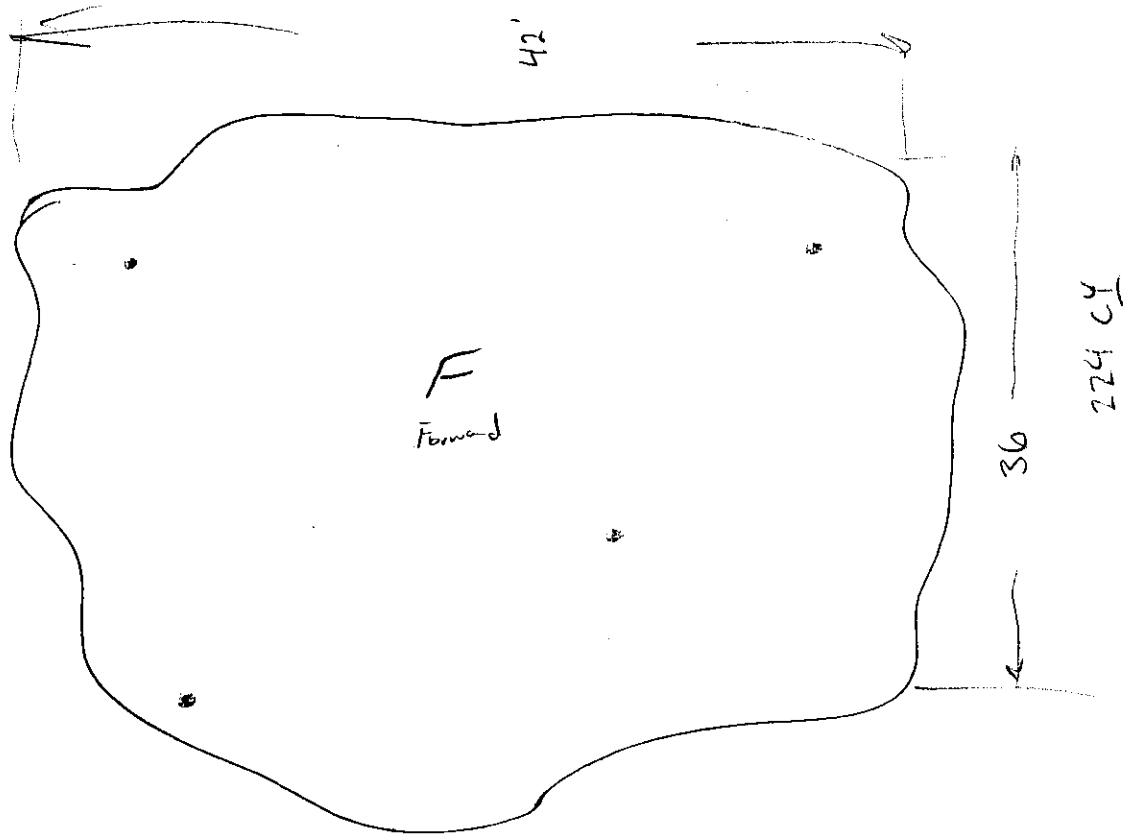
- Classification for locations B-2 and D-1 are based on analytical results from samples collected on 4 Oct 02
- All other classification is based on analytical collected on 17 Sept 02.

SAMPLE COLLECTION LOG

9/17/02

SCOTT LOVESY

STOCK PILE F



McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0209258

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	HP-091702-A	S	1.2,g	ND	ND	0.0071	ND	0.010	1	107
002A	HP-091702-B	S	1.7,g	ND	ND	ND	ND	0.014	1	105
003A	HP-091702-C	S	4.1,g	ND	ND	0.0054	ND	0.021	1	106
004A	HP-091702-D	S	8.6,g	ND	ND	0.010	0.026	0.11	1	113
005A	HP-091702-E	S	18,g	ND	ND	ND	0.0089	0.014	1	99.0
006A	HP-091702-F	S	1.6,g	ND	ND	ND	ND	ND	1	112
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

*water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, wipe samples in ug/wipe, and TCLP extracts in ug/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0209258

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0209258-001A	HP-091702-A	S	18,g,b	10	87.1
0209258-002A	HP-091702-B	S	25,g,b	10	90.3
0209258-003A	HP-091702-C	S	20,g	10	89.2
0209258-004A	HP-091702-D	S	190,b,g	10	87.1
0209258-005A	HP-091702-E	S	400,a/m	5	96.7
0209258-006A	HP-091702-F	S	44,g	20	91.8

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in ug/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258.

Lab ID	0209258-001A
Client ID	HP-091702-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.6	%SS2:	101
%SS3:	105		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-002A
Client ID	HP-091702-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	7.1	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	6.0	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.6	%SS2:	101
%SS3:	104		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-003A
Client ID	HP-091702-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.5	%SS2:	102
%SS3:	103		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-004A
Client ID	HP-091702-D
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	6.4	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	10	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	67	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	6.5	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.1	%SS2:	99.3
%SS3:	98.8		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-005A
Client ID	HP-091702-E
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	2.0	50	Benzene	ND<10	2.0	5.0
Bromobenzene	ND<10	2.0	5.0	Bromochloromethane	ND<10	2.0	5.0
Bromodichloromethane	ND<10	2.0	5.0	Bromoform	ND<10	2.0	5.0
Bromomethane	ND<10	2.0	5.0	2-Butanone (MEK)	ND<20	2.0	10
n-Butyl benzene	ND<10	2.0	5.0	sec-Butyl benzene	ND<10	2.0	5.0
tert-Butyl benzene	ND<10	2.0	5.0	Carbon Disulfide	ND<10	2.0	5.0
Carbon Tetrachloride	ND<10	2.0	5.0	Chlorobenzene	ND<10	2.0	5.0
Chloroethane	ND<10	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<20	2.0	10
Chloroform	ND<10	2.0	5.0	Chloromethane	ND<10	2.0	5.0
2-Chlorotoluene	ND<10	2.0	5.0	4-Chlorotoluene	ND<10	2.0	5.0
Dibromochloromethane	ND<10	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<10	2.0	5.0
1,2-Dibromoethane (EDB)	ND<10	2.0	5.0	Dibromomethane	ND<10	2.0	5.0
1,2-Dichlorobenzene	ND<10	2.0	5.0	1,3-Dichlorobenzene	ND<10	2.0	5.0
1,4-Dichlorobenzene	ND<10	2.0	5.0	Dichlorodifluoromethane	ND<10	2.0	5.0
1,1-Dichloroethane	ND<10	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<10	2.0	5.0
1,1-Dichloroethene	ND<10	2.0	5.0	cis-1,2-Dichloroethene	ND<10	2.0	5.0
trans-1,2-Dichloroethene	ND<10	2.0	5.0	1,2-Dichloropropane	ND<10	2.0	5.0
1,3-Dichloropropane	ND<10	2.0	5.0	2,2-Dichloropropane	ND<10	2.0	5.0
1,1-Dichloropropene	ND<10	2.0	5.0	cis-1,3-Dichloropropene	ND<10	2.0	5.0
trans-1,3-Dichloropropene	ND<10	2.0	5.0	Ethylbenzene	ND<10	2.0	5.0
Hexachlorobutadiene	ND<10	2.0	5.0	2-Hexanone	ND<10	2.0	5.0
Iodomethane (Methyl iodide)	ND<20	2.0	10	4-Isopropyl toluene	ND<10	2.0	5.0
Isopropylbenzene	ND<10	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<10	2.0	5.0
Methylene chloride	ND<10	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<10	2.0	5.0
Naphthalene	36	2.0	5.0	n-Propyl benzene	ND<10	2.0	5.0
Styrene	ND<10	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<10	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<10	2.0	5.0	Tetrachloroethene	ND<10	2.0	5.0
Toluene	ND<10	2.0	5.0	1,2,3-Trichlorobenzene	ND<10	2.0	5.0
1,2,4-Trichlorobenzene	ND<10	2.0	5.0	1,1,1-Trichloroethane	ND<10	2.0	5.0
1,1,2-Trichloroethane	ND<10	2.0	5.0	Trichloroethene	ND<10	2.0	5.0
Trichlorofluoromethane	ND<10	2.0	5.0	1,2,3-Trichloropropane	ND<10	2.0	5.0
1,2,4-Trimethylbenzene	ND<10	2.0	5.0	1,3,5-Trimethylbenzene	ND<10	2.0	5.0
Vinyl Acetate	ND<100	2.0	50	Vinyl Chloride	ND<10	2.0	5.0
Xylenes	ND<10	2.0	5.0				

Surrogate Recoveries (%)

%SS1:	86.9	%SS2:	97.1
%SS3:	99.4		

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-006A
Client ID	HP-091702-F
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	84.8	%SS2:	100
%SS3:	99.1		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-001A
Client ID	HP-091702-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	80.1	%SS2:	---#
%SS3:	92.4	%SS4:	101
%SS5:	---#	%SS6:	103

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-002A
Client ID	HP-091702-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	87.1	%SS2:	---#
%SS3:	97.7	%SS4:	103
%SS5:	---#	%SS6:	101

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-003A
Client ID	HP-091702-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	83.6	%SS2:	---#
%SS3:	95.7	%SS4:	105
%SS5:	---#	%SS6:	102

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-004A
Client ID	HP-091702-D
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	82.5	%SS2:	---#
%SS3:	89.7	%SS4:	102
%SS5:	---#	%SS6:	109

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-005A
Client ID	HP-091702-E
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	85.8	%SS2:	---#
%SS3:	93.6	%SS4:	101
%SS5:	---#	%SS6:	108

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-006A
Client ID	HP-091702-F
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<33	100	0.33	Acenaphthylene	ND<33	100	0.33
Anthracene	ND<33	100	0.33	Benzidine	ND<160	100	1.6
Benzoic Acid	ND<160	100	1.6	Benz(a)anthracene	ND<33	100	0.33
Benzo(b)fluoranthene	ND<33	100	0.33	Benzo(k)fluoranthene	ND<33	100	0.33
Benzo(g,h,i)perylene	ND<33	100	0.33	Benzo(a)pyrene	ND<33	100	0.33
Benzyl Alcohol	ND<66	100	0.66	Bis (2-chloroethoxy) Methane	ND<33	100	0.33
Bis (2-chloroethyl) Ether	ND<33	100	0.33	Bis (2-chloroisopropyl) Ether	ND<33	100	0.33
Bis (2-ethylhexyl) Phthalate	ND<33	100	0.33	4-Bromophenyl Phenyl Ether	ND<33	100	0.33
Butylbenzyl Phthalate	ND<33	100	0.33	4-Chloroaniline	ND<66	100	0.66
4-Chloro-3-methylphenol	ND<33	100	0.33	2-Chloronaphthalene	ND<33	100	0.33
2-Chlorophenol	ND<33	100	0.33	4-Chlorophenyl Phenyl Ether	ND<33	100	0.33
Chrysene	ND<33	100	0.33	Dibenzo(a,h)anthracene	ND<33	100	0.33
Dibenzofuran	ND<33	100	0.33	Di-n-butyl Phthalate	ND<33	100	0.33
1,2-Dichlorobenzene	ND<33	100	0.33	1,3-Dichlorobenzene	ND<33	100	0.33
1,4-Dichlorobenzene	ND<33	100	0.33	3,3-Dichlorobenzidine	ND<66	100	0.66
2,4-Dichlorophenol	ND<33	100	0.33	Diethyl Phthalate	ND<33	100	0.33
2,4-Dimethylphenol	ND<33	100	0.33	Dimethyl Phthalate	ND<33	100	0.33
4,6-Dinitro-2-methylphenol	ND<160	100	1.6	2,4-Dinitrophenol	ND<160	100	1.6
2,4-Dinitrotoluene	ND<33	100	0.33	2,6-Dinitrotoluene	ND<33	100	0.33
Di-n-octyl Phthalate	ND<33	100	0.33	1,2-Diphenylhydrazine	ND<33	100	0.33
Fluoranthene	ND<33	100	0.33	Fluorene	ND<33	100	0.33
Hexachlorobenzene	ND<33	100	0.33	Hexachlorobutadiene	ND<33	100	0.33
Hexachlorocyclopentadiene	ND<160	100	1.6	Hexachloroethane	ND<33	100	0.33
Indeno (1,2,3-cd) pyrene	ND<33	100	0.33	Isophorone	ND<33	100	0.33
2-Methylnaphthalene	ND<33	100	0.33	2-Methylphenol (o-Cresol)	ND<33	100	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<33	100	0.33	Naphthalene	ND<33	100	0.33
2-Nitroaniline	ND<160	100	1.6	3-Nitroaniline	ND<160	100	1.6
4-Nitroaniline	ND<160	100	1.6	2-Nitrophenol	ND<160	100	1.6
4-Nitrophenol	ND<160	100	1.6	Nitrobenzene	ND<33	100	0.33
N-Nitrosodiphenylamine	ND<33	100	0.33	N-Nitrosodi-n-propylamine	ND<33	100	0.33
Pentachlorophenol	ND<160	100	1.6	Phenanthrene	ND<33	100	0.33
Phenol	ND<33	100	0.33	Pyrene	ND<33	100	0.33
1,2,4-Trichlorobenzene	ND<33	100	0.33	2,4,5-Trichlorophenol	ND<33	100	0.33
2,4,6-Trichlorophenol	ND<33	100	0.33				

Surrogate Recoveries (%)

%SS1:	---#	%SS2:	---#
%SS3:	101	%SS4:	109
%SS5:	---#	%SS6:	109

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Organochlorine Pesticides (8080 Basic Target List + PCB)*

Extraction Method: SW3550C Analytical Method: SW8081B/8082A Work Order: 0209258

Lab ID	0209258-001A	0209258-002A	0209258-003A	0209258-004A	Reporting Limit for DF =1	
Client ID	HP-091702-A	HP-091702-B	HP-091702-C	HP-091702-D		
Matrix	S	S	S	S		
DF	50	50	50	50	S	W
Compound	**Concentration**				ug/kg	ug/L
Aldrin	ND<50	ND<50	ND<50	ND<50	1.0	NA
a-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
b-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
g-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
d-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
Chlordane (Technical)	ND<500	ND<500	ND<500	ND<500	10	NA
g-Chlordane	ND<50	ND<50	ND<50	ND<50	1.0	NA
p,p-DDD	ND<50	ND<50	ND<50	ND<50	1.0	NA
p,p-DDE	ND<50	ND<50	ND<50	ND<50	1.0	NA
p,p-DDT	ND<50	ND<50	ND<50	ND<50	1.0	NA
Dieldrin	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endosulfan I	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endosulfan II	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endosulfan sulfate	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endrin	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endrin aldehyde	ND<50	ND<50	ND<50	ND<50	1.0	NA
Heptachlor	ND<50	ND<50	ND<50	ND<50	1.0	NA
Heptachlor epoxide	ND<50	ND<50	ND<50	ND<50	1.0	NA
Methoxychlor	ND<50	ND<50	ND<50	ND<50	1.0	NA
PCB	ND<1200	ND<1200	ND<1200	ND<1200	25	NA
Toxaphene	ND<2500	ND<2500	ND<2500	ND<2500	50	NA
Surrogate Recoveries (%)						
%SS:	100	96.4	109	107		
Comments	j	j	j	j		

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range or surrogate coelutes with another peak

+(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~2 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Organochlorine Pesticides (8080 Basic Target List + PCB)*

Extraction Method: SW3550C Analytical Method: SW8081B/8082A Work Order: 0209258

Lab ID	0209258-005A	0209258-006A			Reporting Limit for DF =1	
Client ID	HP-091702-E	HP-091702-F				
Matrix	S	S				
DF	50	50			S	W
Compound	**Concentration**				**ug/kg**	**ug/L**
Aldrin	ND<50	ND<50			1.0	NA
a-BHC	ND<50	ND<50			1.0	NA
b-BHC	ND<50	ND<50			1.0	NA
g-BHC	ND<50	ND<50			1.0	NA
d-BHC	ND<50	ND<50			1.0	NA
Chlordane (Technical)	ND<500	ND<500			10	NA
g-Chlordane	ND<50	ND<50			1.0	NA
p,p-DDD	ND<50	ND<50			1.0	NA
p,p-DDE	ND<50	ND<50			1.0	NA
p,p-DDT	ND<50	ND<50			1.0	NA
Dieldrin	ND<50	ND<50			1.0	NA
Endosulfan I	ND<50	ND<50			1.0	NA
Endosulfan II	ND<50	ND<50			1.0	NA
Endosulfan sulfate	ND<50	ND<50			1.0	NA
Endrin	ND<50	ND<50			1.0	NA
Endrin aldehyde	ND<50	ND<50			1.0	NA
Heptachlor	ND<50	ND<50			1.0	NA
Heptachlor epoxide	ND<50	ND<50			1.0	NA
Methoxychlor	ND<50	ND<50			1.0	NA
PCB	ND<1200	ND<1200			25	NA
Toxaphene	ND<2500	ND<2500			50	NA
Surrogate Recoveries (%)						
%SS:	108	118				
Comments	j	j				

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range or surrogate coelutes with another peak

+(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~2 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/17/02-09/24/02

CAM / CCR 17 Metals*

Lab ID	0209258-001A	0209258-002A	0209258-003A	0209258-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	HP-091702-A	HP-091702-B	HP-091702-C	HP-091702-D		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	TTLC(mg/Kg)	mg/L
ICP Metals, Concentration*						
Analytical Method: 6010C	Extraction Method: SW3050B				Work Order: 0209258	
Dilution Factor	1	1	1	1	1	1
Antimony	ND	18	58	17	2.5	NA
Barium	130	93	75	110	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	0.55	1.0	1.1	0.98	0.5	NA
Chromium	120	180	190	250	0.5	NA
Cobalt	21	26	14	23	2.0	NA
Copper	150	240	860	250	2.0	NA
Lead	50	160	190	120	3.0	NA
Molybdenum	ND	ND	3.1	ND	2.0	NA
Nickel	190	380	220	330	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	55	39	31	37	2.0	NA
Zinc	150	330	530	240	1.0	NA
%SS:	101	99.2	103	104		
GFAA Metals, Concentration*						
Analytical Method: SW7010	Extraction Method: SW3050B					
Dilution Factor	1	1	1	1	1	1
Arsenic	4.3	6.8	3.6	4.5	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA
Cold Vapor Metals, Concentration*						
Analytical Method: SW7471B	Extraction Method: SW7471B					
Dilution Factor	1	1	20	2	1	1
Mercury	0.13	0.36	9.8	0.71	0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/17/02-09/19/02

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	0209258-005A	0209258-006A				
Client ID	HP-091702-E	HP-091702-F				
Matrix	S	S			S	W
Extraction Type	TTLC	TTLC			TTLC(mg/Kg)	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C Extraction Method: SW3050B Work Order: 0209258

Dilution Factor	1	1			1	1
Antimony	ND	17			2.5	NA
Barium	160	110			2.5	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	0.50			0.5	NA
Chromium	110	100			0.5	NA
Cobalt	20	18			2.0	NA
Copper	120	120			2.0	NA
Lead	88	98			3.0	NA
Molybdenum	ND	ND			2.0	NA
Nickel	210	350			2.0	NA
Silver	ND	ND			1.0	NA
Vanadium	50	53			2.0	NA
Zinc	170	270			1.0	NA
%SS:	102	100				

GFAA Metals, Concentration*

Analytical Method: SW7010 Extraction Method: SW3050B

Dilution Factor	1	1			1	1
Arsenic	6.0	3.3			2.5	NA
Selenium	ND	ND			2.5	NA
Thallium	ND	ND			2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B Extraction Method: SW7471B

Dilution Factor	5	1			1	1
Mercury	0.80	0.24			0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/25/02-09/27/02
	Client P.O.:	Date Analyzed: 09/30/02

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Chromium	Lead	Nickel	DF	% SS
001A	HP-091702-A	S	STLC	1.7	3.9	---	1	N/A
002A	HP-091702-B	S	STLC	2.1	6.7	6.7	1	N/A
003A	HP-091702-C	S	STLC	4.2	23	3.9	1	N/A
004A	HP-091702-D	S	STLC	1.9	13	4.7	1	N/A
005A	HP-091702-E	S	STLC	0.74	4.1	3.9	1	N/A
006A	HP-091702-F	S	STLC	0.64	4.1	2.8	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA	NA
	S	STLC	0.05	0.2	0.05	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/25/02-09/27/02
	Client P.O.:	Date Analyzed: 09/30/02

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Chromium	Copper	DF	% SS
001A	HP-091702-A	S	STLC	1.7	---	1	N/A
002A	HP-091702-B	S	STLC	2.1	---	1	N/A
003A	HP-091702-C	S	STLC	4.2	67	1	N/A
004A	HP-091702-D	S	STLC	1.9	15	1	N/A
005A	HP-091702-E	S	STLC	0.74	---	1	N/A
006A	HP-091702-F	S	STLC	0.64	---	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA
	S	STLC	0.05	0.05	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/25/02-09/27/02
	Client P.O.:	Date Analyzed: 09/30/02

Cold Vapor Metals*

Extraction method: CA Title 22 Analytical methods: SW7471B Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Mercury	DF	% SS
0209258-003A	HP-091702-C	S	STLC	ND	1	NA

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	STLC	0.005	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/25/02-09/26/02
	Client P.O.:	Date Analyzed: 09/27/02

ICP Metals*

Extraction method: SW1311 Analytical methods: SW6010C Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Chromium	Lead	DF	% SS
001A	HP-091702-A	S	TCLP	ND	---	1	N/A
002A	HP-091702-B	S	TCLP	ND	1.6	1	N/A
003A	HP-091702-C	S	TCLP	ND	0.41	1	N/A
004A	HP-091702-D	S	TCLP	ND	1.4	1	N/A
005A	HP-091702-E	S	TCLP	ND	ND	1	N/A
006A	HP-091702-F	S	TCLP	ND	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA
	S	TCLP	0.05	0.2	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/25/02-09/26/02
	Client P.O.:	Date Analyzed: 09/27/02

Cold Vapor Metal*

Extraction method: SW1311 Analytical methods: SW7471B Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Mercury	DF	% SS
0209258-003A	HP-091702-C	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TCLP	0.005	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/17/02

RCI (Reactivity , Corrosivity , Ignitability)

Work Order: 0209258

Lab ID	Client ID	Matrix	Reactivity		Corrosivity	Ignitability
			Sulfide	Cyanide		
005A	HP-091702-E	S	neg	neg	8.14 @ 24.2°C	ND

Reactivity: negative means no obvious reaction with water, no evolution of gas upon contact with water, contains no reactive cyanide or sulfide (<250 mg/kg cyanide and <500 mg/kg sulfide by EPA SW-846, chapter7) and show no indication of exploding.

Corrosivity determined by EPA method 9045; pH = @ _ °C ; ±0.1 units.

Ignitability: negative for a product/sludge/soil/solid means the absence of spontaneous combustion and the absence of flammability upon exposure to a naked flame.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0209258

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 3989 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(gas)	N/A	0.60	N/A	N/A	N/A	103	108	4.46	80	120
MTBE	N/A	0.10	N/A	N/A	N/A	92.5	108	15.5	80	120
Benzene	N/A	0.10	N/A	N/A	N/A	91.4	95.4	4.32	80	120
Toluene	N/A	0.10	N/A	N/A	N/A	88.5	89.6	1.23	80	120
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	94.5	97.3	2.87	80	120
Xylenes	N/A	0.30	N/A	N/A	N/A	93.3	93.3	0	80	120
%SS:	N/A	100	N/A	N/A	N/A	97.5	96.1	1.51	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0209258

EPA Method: SW8015C | Extraction: SW3550C | BatchID: 4009 | Spiked Sample ID: 0209261-002A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	1.939	150	101	99.7	0.793	94.8	94.9	0.150	70	130
%SS:	101	100	104	103	0.859	104	105	0.344	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0209258

EPA Method: SW8260B Extraction: SW5030B BatchID: 4011 Spiked Sample ID: 0209258-001A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	ND	50	105	109	3.95	110	115	4.40	70	130
Chlorobenzene	ND	50	98.9	102	2.99	104	108	3.77	70	130
1,1-Dichloroethene	ND	50	84.8	88.6	4.34	86	91.6	6.35	70	130
Methyl-t-butyl ether (MTBE)	ND	50	90.7	93.5	3.08	92.5	96	3.75	70	130
Toluene	ND	50	96.3	100	4.00	100	105	4.92	70	130
Trichloroethene	ND	50	92.4	95.8	3.64	96.3	100	3.80	70	130
%SS1:	89.6	100	91.2	92.2	1.13	92.2	91.7	0.537	70	130
%SS2:	101	100	102	102	0.530	100	102	1.30	70	130
%SS3:	105	100	114	112	1.51	112	114	1.23	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MMS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8081B/8082A

Matrix: S WorkOrder: 0209258

EPA Method: SW8081B/8082A Extraction: SW3550C BatchID: 4010 Spiked Sample ID: 0209298-001A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Aldrin	N/A	10	N/A	N/A	N/A	97.9	101	2.88	70	130
g-BHC	N/A	10	N/A	N/A	N/A	105	107	2.11	70	130
p,p-DDT	N/A	25	N/A	N/A	N/A	99	102	2.95	70	130
Dieldrin	N/A	25	N/A	N/A	N/A	111	114	2.58	70	130
Endrin	N/A	25	N/A	N/A	N/A	106	108	2.31	70	130
Heptachlor	N/A	10	N/A	N/A	N/A	113	116	2.20	70	130
PCB	N/A	75	N/A	N/A	N/A	106	107	0.608	70	130
%SS:	N/A	100	N/A	N/A	N/A	119	107	10.3	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

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QC SUMMARY REPORT FOR SW8270D

Matrix: S WorkOrder: 0209258

EPA Method: SW8270D Extraction: SW3550C BatchID: 4012 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Acenaphthene	N/A	2	N/A	N/A	N/A	70.9	71.4	0.618	30	130
4-Chloro-3-methylphenol	N/A	4	N/A	N/A	N/A	73.8	74.8	1.29	30	130
2-Chlorophenol	N/A	4	N/A	N/A	N/A	78.5	79	0.635	30	130
1.4-Dichlorobenzene	N/A	2	N/A	N/A	N/A	73.3	73.7	0.572	30	130
2.4-Dinitrotoluene	N/A	2	N/A	N/A	N/A	81.9	82.5	0.694	30	130
4-Nitrophenol	N/A	4	N/A	N/A	N/A	51.3	52.3	2.05	30	130
N-Nitrosodi-n-propylamine	N/A	2	N/A	N/A	N/A	84.7	84.2	0.628	30	130
Pentachlorophenol	N/A	4	N/A	N/A	N/A	80.8	80.4	0.447	30	130
Phenol	N/A	4	N/A	N/A	N/A	76.1	76	0.164	30	130
Pyrene	N/A	2	N/A	N/A	N/A	70	70.2	0.157	30	130
1.2.4-Trichlorobenzene	N/A	2	N/A	N/A	N/A	75.8	76.7	1.11	30	130
%SS6:	N/A	100	N/A	N/A	N/A	106	106	0.347	30	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0209258

Compound	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD* % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
EPA Method: 6010C		Extraction:	SW3050B		BatchID:	3990		Spiked Sample ID: N/A		
Antimony	N/A	500	N/A	N/A	N/A	98.6	98.3	0.300	70	130
Barium	N/A	500	N/A	N/A	N/A	94.3	91.8	2.72	70	130
Beryllium	N/A	500	N/A	N/A	N/A	109	110	0.408	70	130
Cadmium	N/A	500	N/A	N/A	N/A	101	101	0.0453	70	130
Chromium	N/A	500	N/A	N/A	N/A	96	97.6	1.62	70	130
Cobalt	N/A	500	N/A	N/A	N/A	93.4	95.6	2.25	70	130
Copper	N/A	500	N/A	N/A	N/A	98	98.2	0.150	70	130
Lead	N/A	500	N/A	N/A	N/A	99.4	99.3	0.0675	70	130
Molybdenum	N/A	500	N/A	N/A	N/A	104	104	0.373	70	130
Nickel	N/A	500	N/A	N/A	N/A	95.1	94.6	0.529	70	130
Silver	N/A	50	N/A	N/A	N/A	87.6	88.9	1.46	70	130
Vanadium	N/A	500	N/A	N/A	N/A	96.4	95.5	0.888	70	130
Zinc	N/A	500	N/A	N/A	N/A	101	103	2.14	70	130
%SS:	N/A	100	N/A	N/A	N/A	99	101	2.13	70	130
EPA Method: SW7010		Extraction:	SW3050B		BatchID:	3985		Spiked Sample ID: N/A		
Arsenic	N/A	5	N/A	N/A	N/A	92	83.3	9.89	70	130
Selenium	N/A	5	N/A	N/A	N/A	92.4	92	0.528	70	130
Thallium	N/A	5	N/A	N/A	N/A	105	99.8	5.17	70	130
EPA Method: SW7471B		Extraction:	CA Title 22		BatchID:	3987		Spiked Sample ID: 0209234-001A		
Mercury	0.1019	0.25	118	122	46.5	98.2	99.3	1.15	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW6010C

Matrix: S

WorkOrder: 0209258

EPA Method: SW6010C | Extraction: CA Title 22 | BatchID: 4101 | Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chromium	N/A	10	N/A	N/A	N/A	97.2	98.3	1.06	70	130
Copper	N/A	10	N/A	N/A	N/A	90.8	96.1	5.62	70	130
Lead	N/A	10	N/A	N/A	N/A	99.1	99.5	0.411	70	130
Nickel	N/A	10	N/A	N/A	N/A	92.7	96.4	3.89	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW6010C

Matrix: S

WorkOrder: 0209258

EPA Method: SW6010C | Extraction: SW1311 | BatchID: 4154 | Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chromium	N/A	10	N/A	N/A	N/A	98.6	102	3.25	70	130
Lead	N/A	10	N/A	N/A	N/A	94.5	103	8.73	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW7471B

Matrix: S

WorkOrder: 0209258

EPA Method: SW7471B Extraction: CA Title 22 BatchID: 4144 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Mercury	N/A	0.050	N/A	N/A	N/A	94.8	94.5	0.317	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW7471B

Matrix: S

WorkOrder: 0209258

EPA Method: SW7471B Extraction: SW1311 BatchID: 4155 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Mercury	N/A	0.050	N/A	N/A	N/A	94.3	95.7	1.47	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0209258

Client:
ITSI
2730 Shadelands Drive Suite 100
Walnut Creek, CA 94598

TEL:
FAX:
ProjectNo: #01117-05; Land
PO:

25-Sep-02

Sample ID	ClientSampID	Matrix	Collection Date	Hold	<>	6010C	SW6010C	SW7010	SW7471B	SW8015C	8021B/8015
					Requested Tests						
0209258-001	HP-091702-A	Soil	9/17/02 9:40:00 AM		A	A	A	A	A	A	A
0209258-002	HP-091702-B	Soil	9/17/02 9:55:00 AM			A	A	A	A	A	A
0209258-003	HP-091702-C	Soil	9/17/02 10:10:00 AM			A	A	A	A	A	A
0209258-004	HP-091702-D	Soil	9/17/02 10:25:00 AM			A	A	A	A	A	A
0209258-005	HP-091702-E	Soil	9/17/02 10:35:00 AM			A	A	A	A	A	A
0209258-006	HP-091702-F	Soil	9/17/02 10:50:00 AM			A	A	A	A	A	A

Comments: For the RCI; 5 of 6 don't charge on hold until notified per client, STLC's & TCLP's added on 9/25 on 24hr TAT per Arvind

	Date/Time		Date/Time
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

02001258

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? Yes (No)

Report To: ARVIN ACHARYA Bill To: ITSI
Company: ITSI 2730 SHADELANDS DRIVE
SUITE 100 WALNUT CREEK CA 94598
E-mail: AACHARYA@ITSI.COM
Tele: 510-719-6858 Fax: 925-256-8998
Project #: 01117-05 Project Name: LANDFILL GAS REMOVAL
Project Location: HUNTERS POINT NAVAL SHIPYARD
Sampler Signature: Scott Lowry

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI Hold 9/20	Other: Cr STLC, TCLP	Other: Pb STLC, TCLP, for Arvind	Other: Ni STLC, Added on 9/25 24hr TAT	Other: Hg STLC, TCLP	Comments: Pb STLC, TCLP, Cu, STLC
HP-091702-A	STOCK PILE	9/17/02	9:40	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X				
HP-091702-B	STOCK PILE	9/17/02	9:55	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X		X	
HP-091702-C	STOCK PILE	9/17/02	10:10	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X	X	X	
HP-091702-D	STOCK PILE	9/17/02	10:25	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X		X	
HP-091702-E	STOCK PILE	9/17/02	10:35	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X	X			
HP-091702-F	Stockpile	9/17/02	10:50	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X	X			

Pb TCLP

Relinquished By:	Date:	Time:	Received By:
Scott Lowry	9/17/02	12:00	[illegible]
[illegible]	9/17/02	4:25	Melissa Valle

Remarks:

ICE? ____ GOOD CONDITION ____ HEAD SPACE ABSENT ____ DECHLORINATED IN LAB ____

PRESERVATION APPROPRIATE CONTAINERS ____ PRESERVED IN LAB ____

VOAS	OGC	METALS	OTHER

ATTN LAB
LAB TO COMPOSITE SAMPLES

0209258

ITSI

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? Yes (No)

Report To: ARVIN ACHARYA Bill To: ITSI
Company: ITSI 2730 SHADELANDS DRIVE
SUITE 100 WALNUT CREEK CA 94598
E-mail: AACHARYA@ITSI.COM
Tele: 510-719-6858 Fax: 925-256-8998
Project #: 01117-05 Project Name: LANDFILL GAS REMOVAL
Project Location: HUNTERS POINT NAVAL SHIPYARD
Sampler Signature: Scott Lowry

Analysis Request / Other / Comments

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	~~EPA 601 / 8010~~ RCI 10-02-02 Added per AA	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI Hold 9/20	Other: Cr STLC, TCLP	Other: Pb STLC, TCLP per Arvind	Other: Ni STLC, Added on 9/25	Other: Hg STLC, TCLP 24 hr TAT	Comments: Pb STLC, TCLP	Comments: Cr, STLC
HP-091702-A	STOCK PILE	9/17/02	9:40	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X				X	
HP-091702-B	STOCK PILE	9/17/02	9:55	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X			X	
HP-091702-C	STOCK PILE	9/17/02	10:10	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X	X		X	X
HP-091702-D	STOCK PILE	9/17/02	10:25	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X			X	X
HP-091702-E	STOCK PILE	9/17/02	10:35	4	4oz		X				X				X	X			X		X	X	X	X		X			X	X	X	X				
HP-091702-F	Stockpile	9/17/02	10:50	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X	X				

Pb TCLP

Relinquished By: Scott Lowry Date: 9/17/02 Time: 12:00 Received By: [illegible]
Relinquished By: [illegible] Date: 9/17/02 Time: 4:25 Received By: Mikes Valle
Relinquished By: Date: Time: Received By:

Remarks:

ICE? ____
GOOD CONDITION ____
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____

	VOAS	O&G	METALS	OTHER
PRESERVATION APPROPRIATE				
CONTAINERS PRESERVED IN LAB				

Project No._____

INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI

10/14/02 * CALHAZ

FAX TRANSMITTAL COVER SHEET

To: Ben Feick Company: _____

Fax: 415-642-7174 Telephone: _____

From: Arvind Acharya Subject: _____

Date: 10/10/02 _____

No. of Pages: 3 (including cover sheet)

Notes: Included is
- Signature of Scott Lovesy
- EPA Waste ID #

cc: _____

Providing Turnkey Civil/Environmental Engineering and Construction

Edgewater Park Plaza
7700 Edgewater Drive, Suite 306
Oakland, CA 94621

(510) 638-5841
fax (510) 638-5871
www.itsi.com

ECDC ENVIRONMENTAL L.C.
1111 WEST HIGHWAY 123
EAST CARBON, UT 84520
PHONE # (435) 888-4418
FAX # (435) 888-0407

EXPIRATION DATE: 10-11-2003

ECDC APPROVAL #: 02-2755

INDUSTRIAL WASTE ACCEPTANCE SHEET

WASTE GENERATOR INFORMATION

Generator Name:	Navy ROICC San Francisco Bay Area
Generator Site Address:	Hunters Point Shipyard San Francisco, CA 94111
Contact:	Stephen F. Tyhla
Phone:	510-749-5940
Fax:	510-749-5949

ECDC SALES REPRESENTATIVE

Name:	ECDC Waste Solutions Group
Address:	100 Cargo Way Pier 96 SF Ca. 94188
Phone:	415-642-7170
Fax:	415-642-7174

WASTE STREAM INFORMATION

Name of Waste	Soil and Debris, Old Landfill Trench Excavation (Lead Contaminated Soil & Debris)

- All Waste will be inspected upon arrival to confirm it resembles the waste as described on the Generator's Profile Sheet.
- The above ECDC Approval Number must be on all paperwork (i.e. Manifest, BOL etc) when waste is shipped.
- ECDC only accepts Non RCRA Hazardous Waste

Date: 10-11-02

Darin Olson
ECDC Environmental Engineer

ECDC ENVIRONMENTAL L.C.
1111 WEST HIGHWAY 123
EAST CARBON, UT 84520
PHONE # (435) 888-4418
FAX # (435) 888-0407

EXPIRATION DATE: 12-06-2002 ECDC APPROVAL #: 01-2663

INDUSTRIAL WASTE ACCEPTANCE SHEET

WASTE GENERATOR INFORMATION

Generator Name:	ROICC – Hunter's Point
Generator Site Address:	Hunters Point Shipyard San Francisco, CA 94124
Contact:	Stephen Tyahla
Phone:	510/749-5940
Fax:	510/749-5949

ECDC SALES REPRESENTATIVE

Name:	ECDC Waste Solutions Group
Address:	100 Cargo Way Pier 96 SF Ca. 94188
Phone:	415-642-7170
Fax:	415-642-7174

WASTE STREAM INFORMATION

Name of Waste: Soil and Debris

- All Waste will be inspected upon arrival to confirm it resembles the waste as described on the Generator's Profile Sheet.
- The above ECDC Approval Number must be on all paperwork (i e. Manifest, BOL etc) when waste is shipped.
- ECDC only accepts Non RCRA Hazardous Waste

Darin Olson Date: 12-05-01
ECDC Environmental Engineer

PC: ECDC Sales

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Waste Profile #

Requested Disposal Facility: ECDC
an Allied Waste Company

I. Generator Information

		Date: 10/7/02	
Generator Name: NAVY ROICC SF BAY AREA			
Generator Site Address: HUNTERS POINT SHIPYARD			
City: SAN FRANCISCO	County: SAN FRANCISCO	State: CA	Zip:
Generator ~~State~~ EPA ID Number: CAØØØ1019694			
Generator Mailing Address (if different): 2450 SARATOGA ST., SUITE 200			
City: ALAMEDA	County: ALAMEDA	State: CA	Zip: 94501
Generator Contact Name: STEPHEN F. TYAHLA			
Phone Number: 510-749-5940		Fax Number: 510-749-5949	

II. Transporter Information

Transporter Name:			
Transporter Address:			
City:	County:	State:	Zip:
Transporter Contact Name:			
Phone Number:		Fax Number:	
State Transportation Number:			

III. Waste Stream Information

Name of Waste:	CAL-HAZ SOIL & DEBRIS
Process Generating Waste:	TRENCH EXCAVATION FROM LANDFILL (PARCEL E)
Type of Waste: N/A ☐ INDUSTRIAL PROCESS WASTE or ☐ POLLUTION CONTROL WASTE	
Physical State:	☑ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER:
Method of Shipment:	☑ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: ____
Estimated Annual Volume:	☐ CUBIC YARDS: ____ ☒ TONS: ≅1000 ☐ OTHER: ____
Frequency:	☑ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER:
Special Handling Instructions:	

IV. Representative Sample Certification

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☑ YES or ☐ NO
Sample Date: 09-19-2002	Type of Sample: ☑ COMPOSITE SAMPLE ☐ GRAB SAMPLE
Sampler's Employer: INNOVATIVE TECHNICAL SOLUTIONS	
Sampler's Name (printed): SCOTT LOVESY	Signature: [signature] FOR SCOTT LOVESY

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. SOIL	90 - 99%
2. DEBRIS (PLASTIC, ROCK, WOOD ETC.)	1 - 10%
3.	

Color:	Odor (describe):	Free Liquids:	% Solids:	pH:	Flash Point:	Phenol
BROWN	-NONE-	☐ YES or ☑ NO Content ____%	100	NA	___ °F NA	NA ___ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ YES or ☑ NO
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ YES or ☑ NO
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ YES or ☑ NO
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ YES or ☑ NO
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	☐ YES or ☑ NO
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ YES or ☑ NO
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ YES or ☑ NO
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ YES or ☑ NO
Is this waste generated at a Federal Superfund Clean Up Site?	☑ YES or ☐ NO

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the waste material being offered for disposal. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste Industries, Inc

STEPHEN F. TYAKLA
AUTHORIZED REPRESENTATIVE NAME AND TITLE (Printed)

NAVY LOICC SF BAYALGA
COMPANY NAME

AUTHORIZED REPRESENTATIVE SIGNATURE

09 OCT 2002
DATE

VII. Allied Waste Decision

☐ Approved ☐ Rejected Expiration: _____

Conditions:

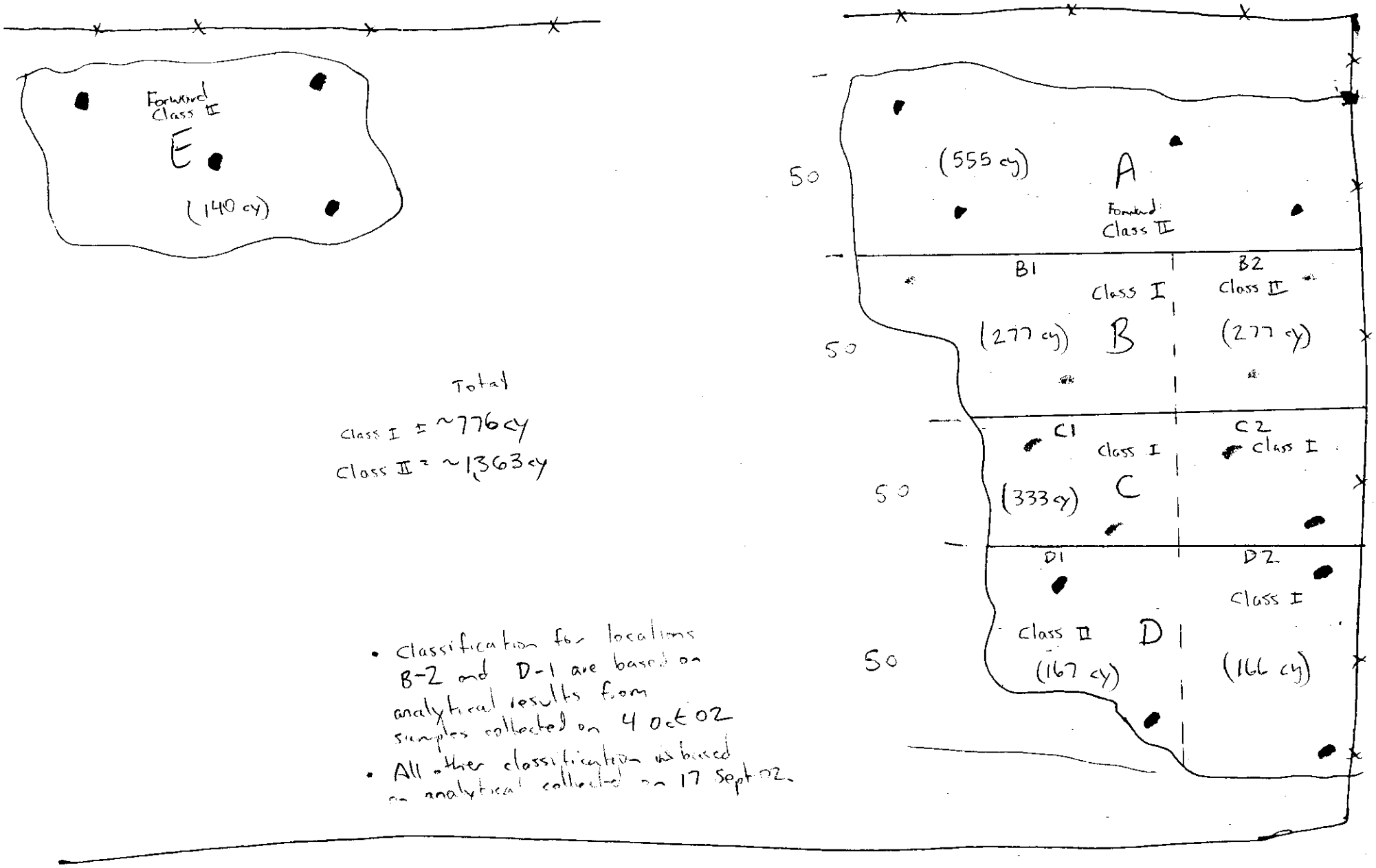
Name, Title Signature Date

SAMPLE COLLECTION LOG

9/17/02

SCOTT LOVESY

STOCK PILE YARD



Total

Class I = ~776 cy

Class II = ~1,363 cy

- Classification for locations B-2 and D-1 are based on analytical results from samples collected on 4 Oct 02
- All other classification are based on analytical collected on 17 Sept 02.

ICP Metals Concentration from Stockpile Samples
Hunters Point Shipyard, Parcel E
Time-Critical Landfill Gas Removal Action
Contract No. N68711-01-D-6110-0003

Lab ID-->	Landfill Trigger Level	TTLC	STLC	0209258-001A HP-091702-A TTLC Results	Additional Analysis Needed	STLC/TCLP Results	0209258-002A HP-091702-B TTLC Results	Additional Analysis Needed	STLC/TCLP Results	0209258-003A HP-091702-C TTLC Results	Additional Analysis Needed	STLC/TCLP Results
	mg/kg	mg/kg	mg/L	mg/kg			mg/kg			mg/kg		
Chromium	50	500	5.0	120	STLC/TCLP	1.7/ND	180	STLC/TCLP	2.1/ND	190	STLC/TCLP	4.2/ND
Copper	250	2500	25	150	None		240	None		860	STLC	67
Lead	50	350	5	50	STLC	3.9	160	STLC/TCLP	6.7/1.6	190	STLC/TCLP	23/0.41
Nickel	200	2000	20	190	None		380	STLC	6.7	220	STLC	3.9
Mercury	2	20	0.2	0.13	None		0.36	None		9.8	STLC/TCLP	ND/ND

Lab ID-->				0209258-004A HP-091702-D TTLC Results	Additional Analysis Needed	STLC/TCLP Results	0209258-005A HP-091702-E TTLC Results	Additional Analysis Needed	STLC/TCLP Results	0209258-006A HP-091702-F TTLC Results	Additional Analysis Needed	STLC/TCLP Results
				mg/kg			mg/kg			mg/kg		
Chromium	50	500	5.0	250	STLC/TCLP	1.9/ND	110	STLC/TCLP	0.74/ND	110	STLC/TCLP	0.64/ND
Copper	250	2500	25	250	STLC	15	120	None		120	None	
Lead	50	350	5	120	STLC/TCLP	13/1.4	88	STLC/TCLP	4.1/ND	98	STLC/TCLP	4.1/ND
Nickel	200	2000	20	330	STLC	4.7	210	STLC	3.9	350	STLC	2.8
Mercury	2	20	0.2	0.71	None		0.8	None		0.24	None	

STOCKPILES (B1, B2, C1, C2, D1, D2) ANALYZED ON 10/7/02				HP-100402-B1 STLC/TCLP Results	HP-100402-B2 STLC/TCLP Results	HP-100402-C1 STLC/TCLP Results	HP-100402-C2 STLC/TCLP Results	HP-100402-D1 STLC/TCLP Results	HP-100402-D2 STLC/TCLP Results	IR01P03A TTLC Results
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Lead	50	350	5	45/4	3.6/ND	7.2/0.36	9.8/0.34	4.3/0.21	11/0.23	35
TPH d										14
TPH k										11
TPH mo										9.8
TPH g										27
MTBE										ND
Benzene										ND
Toluene										0.017
Ethylbenzene										0.35
Xylenes										1.5
CONCLUSIONS				CLASS I	CLASS II	CLASS I	CLASS I	CLASS II	CLASS I	CLASS II FOR SOIL FROM WELL CLUSTER

NOTE: Stockpiles B, C and D were split into halves and a 4-point composite was collected for each half; therefore labelled as B1, B2, C1, C2, D1 and D2

Conclusions:
- Stockpile B1, C1, C2 and D2 exceed STLC for lead (>5 mg/L) — Class I landfill
- Stockpile B2 and D1 below STLC for lead (<5 mg/L) — Class II Landfill - Forward
- Stockpile A, E and F below STLC — Class II Landfill - Forward

	Estimated Volume (Cubic Yards)	Estimated Weight* (Tons)	Class I	Class II Forward
Stockpile A	555	833		833
Stockpile B1	227.5	341	341	
Stockpile B2	227.5	341		341
Stockpile C1	166.5	250	250	
Stockpile C2	166.5	250	250	
Stockpile D1	166.5	250		250
Stockpile D2	166.5	250	250	
Stockpile E	140	210		210
Stockpile F	224	336		336
Total Estimated Volumes (Tons)	2040	3060	1091	1970

*-Conservative Estimate of 1.5 tons per cubic yard

9-25-02

ITSI, Inc

#51

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

RUSH

TURN AROUND TIME ☐ RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: Arvin Acharya Bill To: ITSI
Company: ITSI 2730 Shadelands Drive Suite 100 Walnut Creek CA 94598
E-Mail: AAcharya@ITSI.com
Tele: ( ) 510 719 6858 Fax: ( ) 925 256-8998
Project #: 01117.05 Project Name: Landfill Gas Removal
Project Location: Hunters Point Naval Shipyard
Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (8020 + 8015) K/Mtbe	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	pH	TSS	Specific Conductivity	Comments
HP100402-B1	Stockpile B-1	4 Oct	1400	4	4oz		X				X																	X						Lead STLC / TCLP
HP100402-B2	Stockpile B-2	4 Oct	1405	4	4oz		X				X																	X						
HP100402-C1	Stockpile C-1	4 Oct	1410	4	4oz		X				X																	X						
HP100402-C2	Stockpile C-2	4 Oct	1410	4	4oz		X				X																	X						
HP100402-D1	Stockpile D-1	4 Oct	1430	4	4oz		X				X																	X						
HP100402-D2	Stockpile D-2	4 Oct	1435	4	4oz		X				X																	X						
IR01P03A	Drum	4 Oct	1455	1	4oz		X				X				X	X												X						

Relinquished By:	Date:	Time:	Received By:
[signature]	4 Oct	1620	[signature]

ICE/t° ✓
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION APPROPRIATE ✓
CONTAINERS
PERSERVED IN LAB

	VOAS	O&G	METALS	OTHER

ATTN: Lab to composite samples

McCampbell Analytical Inc.

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http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #0117.05; Landfill Gas Removal	Date Sampled: 10/04/02 Date Received: 10/04/02
	Client Contact: Arvin Acharya	Date Reported: 10/07/02
	Client P.O.:	Date Completed: 10/08/02

October 08, 2002

Dear Arvin:

Enclosed are:

1). the results of 7 analyzed samples from your **#0117.05; Landfill Gas Removal project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #0117.05; Landfill Gas Removal	Date Sampled: 10/04/02
		Date Received: 10/04/02
	Client Contact: Arvin Acharya	Date Extracted: 10/04/02
	Client P.O.:	Date Analyzed: 10/06/02

Diesel (C10-C23) Kerosene (C9-C18) & Oil (C18+) Range, Extractable Hydrocarbons as Diesel, Kerosene & Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0210131

Lab ID	Client ID	Matrix	TPH(d)	TPH(k)	TPH(mo)	DF	% SS
007A	IR01P03A	S	14,d,b,g	11	9.8	1	96.7

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	ug/L
	S	1.0	1.0	5.0	mg/Kg

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in ug/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or, surrogate peak is on elevated baseline, or, surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent.

DHS Certification No. 1644

_____Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #0117.05; Landfill Gas Removal	Date Sampled: 10/04/02
		Date Received: 10/04/02
	Client Contact: Arvin Acharya	Date Extracted: 10/04/02
	Client P.O.:	Date Analyzed: 10/05/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0210131

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
007A	IR01P03A	S	27,g,m	ND	ND	0.017	0.35	1.5	1	113
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

*water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, wipe samples in ug/wipe, and TCLP extracts in ug/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644 _____Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #0117.05; Landfill Gas Removal	Date Sampled: 10/04/02
		Date Received: 10/04/02
	Client Contact: Arvin Acharya	Date Extracted: 10/04/02
	Client P.O.:	Date Analyzed: 10/04/02

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0210131

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0210131-001A	HP100402-B1	S	TTLC	380	1	103
0210131-002A	HP100402-B2	S	TTLC	64	1	101
0210131-003A	HP100402-C1	S	TTLC	120	1	101
0210131-004A	HP100402-C2	S	TTLC	140	1	103
0210131-005A	HP100402-D1	S	TTLC	95	1	98.4
0210131-006A	HP100402-D2	S	TTLC	130	1	98.8
0210131-007A	IR01P03A	S	TTLC	35	1	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	3.0	mg/Kg

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #0117.05; Landfill Gas Removal	Date Sampled: 10/04/02
		Date Received: 10/04/02
	Client Contact: Arvin Acharya	Date Extracted: 10/04/02-10/06/02
	Client P.O.:	Date Analyzed: 10/07/02

Lead by ICP*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0210131

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0210131-001A	HP100402-B1	S	STLC	45	1	N/A
0210131-002A	HP100402-B2	S	STLC	3.6	1	N/A
0210131-003A	HP100402-C1	S	STLC	7.2	1	N/A
0210131-004A	HP100402-C2	S	STLC	9.8	1	N/A
0210131-005A	HP100402-D1	S	STLC	4.3	1	N/A
0210131-006A	HP100402-D2	S	STLC	11	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	STLC	0.2	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644 _____Edward Hamilton, Lab Director

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #0117.05; Landfill Gas Removal	Date Sampled: 10/04/02
		Date Received: 10/04/02
	Client Contact: Arvin Acharya	Date Extracted: 10/04/02-10/05/02
	Client P.O.:	Date Analyzed: 10/07/02

Lead by ICP*

Extraction method: SW1311 Analytical methods: SW6010C Work Order: 0210131

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0210131-001A	HP100402-E1	S	TCLP	4.0	1	N/A
0210131-002A	HP100402-E2	S	TCLP	ND	1	N/A
0210131-003A	HP100402-C1	S	TCLP	0.36	1	N/A
0210131-004A	HP100402-C2	S	TCLP	0.34	1	N/A
0210131-005A	HP100402-D1	S	TCLP	0.21	1	N/A
0210131-006A	HP100402-D2	S	TCLP	0.23	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TCLP	0.2	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0209258

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	HP-091702-A	S	1.2,g	ND	ND	0.0071	ND	0.010	1	107
002A	HP-091702-B	S	1.7,g	ND	ND	ND	ND	0.014	1	105
003A	HP-091702-C	S	4.1,g	ND	ND	0.0054	ND	0.021	1	106
004A	HP-091702-D	S	8.6,g	ND	ND	0.010	0.026	0.11	1	113
005A	HP-091702-E	S	18,g	ND	ND	ND	0.0089	0.014	1	99.0
006A	HP-091702-F	S	1.6,g	ND	ND	ND	ND	ND	1	112
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

*water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, wipe samples in ug/wipe, and TCLP extracts in ug/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0209258

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0209258-001A	HP-091702-A	S	18,g,b	10	87.1
0209258-002A	HP-091702-B	S	25,g,b	10	90.3
0209258-003A	HP-091702-C	S	20,g	10	89.2
0209258-004A	HP-091702-D	S	190,b,g	10	87.1
0209258-005A	HP-091702-E	S	400,a/m	5	96.7
0209258-006A	HP-091702-F	S	44,g	20	91.8

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in ug/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-001A
Client ID	HP-091702-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.6	%SS2:	101
%SS3:	105		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-002A
Client ID	HP-091702-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	7.1	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	6.0	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.6	%SS2:	101
%SS3:	104		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-003A
Client ID	HP-091702-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.5	%SS2:	102
%SS3:	103		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-004A
Client ID	HP-091702-D
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	6.4	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	10	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	67	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	6.5	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.1	%SS2:	99.3
%SS3:	98.8		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

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		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-005A
Client ID	HP-091702-E
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	2.0	50	Benzene	ND<10	2.0	5.0
Bromobenzene	ND<10	2.0	5.0	Bromochloromethane	ND<10	2.0	5.0
Bromodichloromethane	ND<10	2.0	5.0	Bromoform	ND<10	2.0	5.0
Bromomethane	ND<10	2.0	5.0	2-Butanone (MEK)	ND<20	2.0	10
n-Butyl benzene	ND<10	2.0	5.0	sec-Butyl benzene	ND<10	2.0	5.0
tert-Butyl benzene	ND<10	2.0	5.0	Carbon Disulfide	ND<10	2.0	5.0
Carbon Tetrachloride	ND<10	2.0	5.0	Chlorobenzene	ND<10	2.0	5.0
Chloroethane	ND<10	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<20	2.0	10
Chloroform	ND<10	2.0	5.0	Chloromethane	ND<10	2.0	5.0
2-Chlorotoluene	ND<10	2.0	5.0	4-Chlorotoluene	ND<10	2.0	5.0
Dibromochloromethane	ND<10	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<10	2.0	5.0
1,2-Dibromoethane (EDB)	ND<10	2.0	5.0	Dibromomethane	ND<10	2.0	5.0
1,2-Dichlorobenzene	ND<10	2.0	5.0	1,3-Dichlorobenzene	ND<10	2.0	5.0
1,4-Dichlorobenzene	ND<10	2.0	5.0	Dichlorodifluoromethane	ND<10	2.0	5.0
1,1-Dichloroethane	ND<10	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<10	2.0	5.0
1,1-Dichloroethene	ND<10	2.0	5.0	cis-1,2-Dichloroethene	ND<10	2.0	5.0
trans-1,2-Dichloroethene	ND<10	2.0	5.0	1,2-Dichloropropane	ND<10	2.0	5.0
1,3-Dichloropropane	ND<10	2.0	5.0	2,2-Dichloropropane	ND<10	2.0	5.0
1,1-Dichloropropene	ND<10	2.0	5.0	cis-1,3-Dichloropropene	ND<10	2.0	5.0
trans-1,3-Dichloropropene	ND<10	2.0	5.0	Ethylbenzene	ND<10	2.0	5.0
Hexachlorobutadiene	ND<10	2.0	5.0	2-Hexanone	ND<10	2.0	5.0
Iodomethane (Methyl iodide)	ND<20	2.0	10	4-Isopropyl toluene	ND<10	2.0	5.0
Isopropylbenzene	ND<10	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<10	2.0	5.0
Methylene chloride	ND<10	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<10	2.0	5.0
Naphthalene	36	2.0	5.0	n-Propyl benzene	ND<10	2.0	5.0
Styrene	ND<10	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<10	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<10	2.0	5.0	Tetrachloroethene	ND<10	2.0	5.0
Toluene	ND<10	2.0	5.0	1,2,3-Trichlorobenzene	ND<10	2.0	5.0
1,2,4-Trichlorobenzene	ND<10	2.0	5.0	1,1,1-Trichloroethane	ND<10	2.0	5.0
1,1,2-Trichloroethane	ND<10	2.0	5.0	Trichloroethene	ND<10	2.0	5.0
Trichlorofluoromethane	ND<10	2.0	5.0	1,2,3-Trichloropropane	ND<10	2.0	5.0
1,2,4-Trimethylbenzene	ND<10	2.0	5.0	1,3,5-Trimethylbenzene	ND<10	2.0	5.0
Vinyl Acetate	ND<100	2.0	50	Vinyl Chloride	ND<10	2.0	5.0
Xylenes	ND<10	2.0	5.0				

Surrogate Recoveries (%)

%SS1:	86.9	%SS2:	97.1
%SS3:	99.4		

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/22/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0209258

Lab ID	0209258-006A
Client ID	HP-091702-F
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	84.8	%SS2:	100
%SS3:	99.1		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-001A
Client ID	HP-091702-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	80.1	%SS2:	---#
%SS3:	92.4	%SS4:	101
%SS5:	---#	%SS6:	103

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-002A
Client ID	HP-091702-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	87.1	%SS2:	---#
%SS3:	97.7	%SS4:	103
%SS5:	---#	%SS6:	101

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-003A
Client ID	HP-091702-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	83.6	%SS2:	---#
%SS3:	95.7	%SS4:	105
%SS5:	---#	%SS6:	102

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-004A
Client ID	HP-091702-D
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	82.5	%SS2:	---#
%SS3:	89.7	%SS4:	102
%SS5:	---#	%SS6:	109

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-005A
Client ID	HP-091702-E
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<3.3	10	0.33	Acenaphthylene	ND<3.3	10	0.33
Anthracene	ND<3.3	10	0.33	Benzidine	ND<16	10	1.6
Benzoic Acid	ND<16	10	1.6	Benz(a)anthracene	ND<3.3	10	0.33
Benzo(b)fluoranthene	ND<3.3	10	0.33	Benzo(k)fluoranthene	ND<3.3	10	0.33
Benzo(g,h,i)perylene	ND<3.3	10	0.33	Benzo(a)pyrene	ND<3.3	10	0.33
Benzyl Alcohol	ND<6.6	10	0.66	Bis (2-chloroethoxy) Methane	ND<3.3	10	0.33
Bis (2-chloroethyl) Ether	ND<3.3	10	0.33	Bis (2-chloroisopropyl) Ether	ND<3.3	10	0.33
Bis (2-ethylhexyl) Phthalate	ND<3.3	10	0.33	4-Bromophenyl Phenyl Ether	ND<3.3	10	0.33
Butylbenzyl Phthalate	ND<3.3	10	0.33	4-Chloroaniline	ND<6.6	10	0.66
4-Chloro-3-methylphenol	ND<3.3	10	0.33	2-Chloronaphthalene	ND<3.3	10	0.33
2-Chlorophenol	ND<3.3	10	0.33	4-Chlorophenyl Phenyl Ether	ND<3.3	10	0.33
Chrysene	ND<3.3	10	0.33	Dibenzo(a,h)anthracene	ND<3.3	10	0.33
Dibenzofuran	ND<3.3	10	0.33	Di-n-butyl Phthalate	ND<3.3	10	0.33
1,2-Dichlorobenzene	ND<3.3	10	0.33	1,3-Dichlorobenzene	ND<3.3	10	0.33
1,4-Dichlorobenzene	ND<3.3	10	0.33	3,3-Dichlorobenzidine	ND<6.6	10	0.66
2,4-Dichlorophenol	ND<3.3	10	0.33	Diethyl Phthalate	ND<3.3	10	0.33
2,4-Dimethylphenol	ND<3.3	10	0.33	Dimethyl Phthalate	ND<3.3	10	0.33
4,6-Dinitro-2-methylphenol	ND<16	10	1.6	2,4-Dinitrophenol	ND<16	10	1.6
2,4-Dinitrotoluene	ND<3.3	10	0.33	2,6-Dinitrotoluene	ND<3.3	10	0.33
Di-n-octyl Phthalate	ND<3.3	10	0.33	1,2-Diphenylhydrazine	ND<3.3	10	0.33
Fluoranthene	ND<3.3	10	0.33	Fluorene	ND<3.3	10	0.33
Hexachlorobenzene	ND<3.3	10	0.33	Hexachlorobutadiene	ND<3.3	10	0.33
Hexachlorocyclopentadiene	ND<16	10	1.6	Hexachloroethane	ND<3.3	10	0.33
Indeno (1,2,3-cd) pyrene	ND<3.3	10	0.33	Isophorone	ND<3.3	10	0.33
2-Methylnaphthalene	ND<3.3	10	0.33	2-Methylphenol (o-Cresol)	ND<3.3	10	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<3.3	10	0.33	Naphthalene	ND<3.3	10	0.33
2-Nitroaniline	ND<16	10	1.6	3-Nitroaniline	ND<16	10	1.6
4-Nitroaniline	ND<16	10	1.6	2-Nitrophenol	ND<16	10	1.6
4-Nitrophenol	ND<16	10	1.6	Nitrobenzene	ND<3.3	10	0.33
N-Nitrosodiphenylamine	ND<3.3	10	0.33	N-Nitrosodi-n-propylamine	ND<3.3	10	0.33
Pentachlorophenol	ND<16	10	1.6	Phenanthrene	ND<3.3	10	0.33
Phenol	ND<3.3	10	0.33	Pyrene	ND<3.3	10	0.33
1,2,4-Trichlorobenzene	ND<3.3	10	0.33	2,4,5-Trichlorophenol	ND<3.3	10	0.33
2,4,6-Trichlorophenol	ND<3.3	10	0.33				

Surrogate Recoveries (%)

%SS1:	85.8	%SS2:	---#
%SS3:	93.6	%SS4:	101
%SS5:	---#	%SS6:	108

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/19/02-09/20/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0209258

Lab ID	0209258-006A
Client ID	HP-091702-F
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<33	100	0.33	Acenaphthylene	ND<33	100	0.33
Anthracene	ND<33	100	0.33	Benzidine	ND<160	100	1.6
Benzoic Acid	ND<160	100	1.6	Benz(a)anthracene	ND<33	100	0.33
Benzo(b)fluoranthene	ND<33	100	0.33	Benzo(k)fluoranthene	ND<33	100	0.33
Benzo(g,h,i)perylene	ND<33	100	0.33	Benzo(a)pyrene	ND<33	100	0.33
Benzyl Alcohol	ND<66	100	0.66	Bis (2-chloroethoxy) Methane	ND<33	100	0.33
Bis (2-chloroethyl) Ether	ND<33	100	0.33	Bis (2-chloroisopropyl) Ether	ND<33	100	0.33
Bis (2-ethylhexyl) Phthalate	ND<33	100	0.33	4-Bromophenyl Phenyl Ether	ND<33	100	0.33
Butylbenzyl Phthalate	ND<33	100	0.33	4-Chloroaniline	ND<66	100	0.66
4-Chloro-3-methylphenol	ND<33	100	0.33	2-Chloronaphthalene	ND<33	100	0.33
2-Chlorophenol	ND<33	100	0.33	4-Chlorophenyl Phenyl Ether	ND<33	100	0.33
Chrysene	ND<33	100	0.33	Dibenzo(a,h)anthracene	ND<33	100	0.33
Dibenzofuran	ND<33	100	0.33	Di-n-butyl Phthalate	ND<33	100	0.33
1,2-Dichlorobenzene	ND<33	100	0.33	1,3-Dichlorobenzene	ND<33	100	0.33
1,4-Dichlorobenzene	ND<33	100	0.33	3,3-Dichlorobenzidine	ND<66	100	0.66
2,4-Dichlorophenol	ND<33	100	0.33	Diethyl Phthalate	ND<33	100	0.33
2,4-Dimethylphenol	ND<33	100	0.33	Dimethyl Phthalate	ND<33	100	0.33
4,6-Dinitro-2-methylphenol	ND<160	100	1.6	2,4-Dinitrophenol	ND<160	100	1.6
2,4-Dinitrotoluene	ND<33	100	0.33	2,6-Dinitrotoluene	ND<33	100	0.33
Di-n-octyl Phthalate	ND<33	100	0.33	1,2-Diphenylhydrazine	ND<33	100	0.33
Fluoranthene	ND<33	100	0.33	Fluorene	ND<33	100	0.33
Hexachlorobenzene	ND<33	100	0.33	Hexachlorobutadiene	ND<33	100	0.33
Hexachlorocyclopentadiene	ND<160	100	1.6	Hexachloroethane	ND<33	100	0.33
Indeno (1,2,3-cd) pyrene	ND<33	100	0.33	Isophorone	ND<33	100	0.33
2-Methylnaphthalene	ND<33	100	0.33	2-Methylphenol (o-Cresol)	ND<33	100	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<33	100	0.33	Naphthalene	ND<33	100	0.33
2-Nitroaniline	ND<160	100	1.6	3-Nitroaniline	ND<160	100	1.6
4-Nitroaniline	ND<160	100	1.6	2-Nitrophenol	ND<160	100	1.6
4-Nitrophenol	ND<160	100	1.6	Nitrobenzene	ND<33	100	0.33
N-Nitrosodiphenylamine	ND<33	100	0.33	N-Nitrosodi-n-propylamine	ND<33	100	0.33
Pentachlorophenol	ND<160	100	1.6	Phenanthrene	ND<33	100	0.33
Phenol	ND<33	100	0.33	Pyrene	ND<33	100	0.33
1,2,4-Trichlorobenzene	ND<33	100	0.33	2,4,5-Trichlorophenol	ND<33	100	0.33
2,4,6-Trichlorophenol	ND<33	100	0.33				

Surrogate Recoveries (%)

%SS1:	---#	%SS2:	---#
%SS3:	101	%SS4:	109
%SS5:	---#	%SS6:	109

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Organochlorine Pesticides (8080 Basic Target List + PCB)*

Extraction Method: SW3550C Analytical Method: SW8081B/8082A Work Order: 0209258

Lab ID	0209258-001A	0209258-002A	0209258-003A	0209258-004A	Reporting Limit for DF =1	
Client ID	HP-091702-A	HP-091702-B	HP-091702-C	HP-091702-D		
Matrix	S	S	S	S		
DF	50	50	50	50	S	W
Compound	**Concentration**				ug/kg	ug/L
Aldrin	ND<50	ND<50	ND<50	ND<50	1.0	NA
a-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
b-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
g-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
d-BHC	ND<50	ND<50	ND<50	ND<50	1.0	NA
Chlordane (Technical)	ND<500	ND<500	ND<500	ND<500	10	NA
g-Chlordane	ND<50	ND<50	ND<50	ND<50	1.0	NA
p,p-DDD	ND<50	ND<50	ND<50	ND<50	1.0	NA
p,p-DDE	ND<50	ND<50	ND<50	ND<50	1.0	NA
p,p-DDT	ND<50	ND<50	ND<50	ND<50	1.0	NA
Dieldrin	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endosulfan I	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endosulfan II	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endosulfan sulfate	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endrin	ND<50	ND<50	ND<50	ND<50	1.0	NA
Endrin aldehyde	ND<50	ND<50	ND<50	ND<50	1.0	NA
Heptachlor	ND<50	ND<50	ND<50	ND<50	1.0	NA
Heptachlor epoxide	ND<50	ND<50	ND<50	ND<50	1.0	NA
Methoxychlor	ND<50	ND<50	ND<50	ND<50	1.0	NA
PCB	ND<1200	ND<1200	ND<1200	ND<1200	25	NA
Toxaphene	ND<2500	ND<2500	ND<2500	ND<2500	50	NA
Surrogate Recoveries (%)						
%SS:	100	96.4	109	107		
Comments	j	j	j	j		

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range or surrogate coelutes with another peak

+(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~2 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/18/02-09/21/02

Organochlorine Pesticides (8080 Basic Target List + PCB)*

Extraction Method: SW3550C Analytical Method: SW8081B/8082A Work Order: 0209258

Lab ID	0209258-005A	0209258-006A			Reporting Limit for DF =1	
Client ID	HP-091702-E	HP-091702-F				
Matrix	S	S			S	W
DF	50	50			ug/kg	ug/L
Compound	**Concentration**					
Aldrin	ND<50	ND<50			1.0	NA
a-BHC	ND<50	ND<50			1.0	NA
b-BHC	ND<50	ND<50			1.0	NA
g-BHC	ND<50	ND<50			1.0	NA
d-BHC	ND<50	ND<50			1.0	NA
Chlordane (Technical)	ND<500	ND<500			10	NA
g-Chlordane	ND<50	ND<50			1.0	NA
p,p-DDD	ND<50	ND<50			1.0	NA
p,p-DDE	ND<50	ND<50			1.0	NA
p,p-DDT	ND<50	ND<50			1.0	NA
Dieldrin	ND<50	ND<50			1.0	NA
Endosulfan I	ND<50	ND<50			1.0	NA
Endosulfan II	ND<50	ND<50			1.0	NA
Endosulfan sulfate	ND<50	ND<50			1.0	NA
Endrin	ND<50	ND<50			1.0	NA
Endrin aldehyde	ND<50	ND<50			1.0	NA
Heptachlor	ND<50	ND<50			1.0	NA
Heptachlor epoxide	ND<50	ND<50			1.0	NA
Methoxychlor	ND<50	ND<50			1.0	NA
PCB	ND<1200	ND<1200			25	NA
Toxaphene	ND<2500	ND<2500			50	NA
Surrogate Recoveries (%)						
%SS:	108	118				
Comments	j	j				

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range or surrogate coelutes with another peak

+(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~2 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup.

DHS Certification No. 1644

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/17/02-09/24/02

CAM / CCR 17 Metals*

Lab ID	0209258-001A	0209258-002A	0209258-003A	0209258-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	HP-091702-A	HP-091702-B	HP-091702-C	HP-091702-D		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	TTLC(mg/Kg)	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C Extraction Method: SW3050B Work Order: 0209258

Dilution Factor	1	1	1	1	1	1
Antimony	ND	18	58	17	2.5	NA
Barium	130	93	75	110	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	0.55	1.0	1.1	0.98	0.5	NA
Chromium	120	180	190	250	0.5	NA
Cobalt	21	26	14	23	2.0	NA
Copper	150	240	860	250	2.0	NA
Lead	50	160	190	120	3.0	NA
Molybdenum	ND	ND	3.1	ND	2.0	NA
Nickel	190	380	220	330	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	55	39	31	37	2.0	NA
Zinc	150	330	530	240	1.0	NA
%SS:	101	99.2	103	104		

GFAA Metals, Concentration*

Analytical Method: SW7010 Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	4.3	6.8	3.6	4.5	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B Extraction Method: SW7471B

Dilution Factor	1	1	20	2	1	1
Mercury	0.13	0.36	9.8	0.71	0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/17/02-09/19/02

CAM / CCR 17 Metals*

Lab ID	0209258-005A	0209258-006A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	HP-091702-E	HP-091702-F				
Matrix	S	S			S	W
Extraction Type	TTLC	TTLC			TTLC(mg/Kg)	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C Extraction Method: SW3050B Work Order: 0209258

Dilution Factor	1	1			1	1
Antimony	ND	17			2.5	NA
Barium	160	110			2.5	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	0.50			0.5	NA
Chromium	110	100			0.5	NA
Cobalt	20	18			2.0	NA
Copper	120	120			2.0	NA
Lead	88	98			3.0	NA
Molybdenum	ND	ND			2.0	NA
Nickel	210	350			2.0	NA
Silver	ND	ND			1.0	NA
Vanadium	50	53			2.0	NA
Zinc	170	270			1.0	NA
%SS:	102	100				

GFAA Metals, Concentration*

Analytical Method: SW7010 Extraction Method: SW3050B

Dilution Factor	1	1			1	1
Arsenic	6.0	3.3			2.5	NA
Selenium	ND	ND			2.5	NA
Thallium	ND	ND			2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B Extraction Method: SW7471B

Dilution Factor	5	1			1	1
Mercury	0.80	0.24			0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/25/02-09/27/02
	Client P.O.:	Date Analyzed: 09/30/02

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Chromium	Lead	Nickel	DF	% SS
001A	HP-091702-A	S	STLC	1.7	3.9	---	1	N/A
002A	HP-091702-B	S	STLC	2.1	6.7	6.7	1	N/A
003A	HP-091702-C	S	STLC	4.2	23	3.9	1	N/A
004A	HP-091702-D	S	STLC	1.9	13	4.7	1	N/A
005A	HP-091702-E	S	STLC	0.74	4.1	3.9	1	N/A
006A	HP-091702-F	S	STLC	0.64	4.1	2.8	1	N/A
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	TTLC	NA	NA	NA	NA	
		S	STLC	0.05	0.2	0.05	mg/L	

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/25/02-09/27/02
	Client P.O.:	Date Analyzed: 09/30/02

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Chromium	Copper	DF	% SS
001A	HP-091702-A	S	STLC	1.7	---	1	N/A
002A	HP-091702-B	S	STLC	2.1	---	1	N/A
003A	HP-091702-C	S	STLC	4.2	67	1	N/A
004A	HP-091702-D	S	STLC	1.9	15	1	N/A
005A	HP-091702-E	S	STLC	0.74	---	1	N/A
006A	HP-091702-F	S	STLC	0.64	---	1	N/A
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	TTLC	NA	NA	NA	
		S	STLC	0.05	0.05	mg/L	

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/25/02-09/27/02
	Client P.O.:	Date Analyzed: 09/30/02

Cold Vapor Metals*

Extraction method: CA Title 22 Analytical methods: SW7471B Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Mercury	DF	% SS
0209258-003A	HP-091702-C	S	STLC	ND	1	NA

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	STLC	0.005	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/25/02-09/26/02
	Client P.O.:	Date Analyzed: 09/27/02

ICP Metals*

Extraction method: SW1311 Analytical methods: SW6010C Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Chromium	Lead	DF	% SS
001A	HP-091702-A	S	TCLP	ND	---	1	N/A
002A	HP-091702-B	S	TCLP	ND	1.6	1	N/A
003A	HP-091702-C	S	TCLP	ND	0.41	1	N/A
004A	HP-091702-D	S	TCLP	ND	1.4	1	N/A
005A	HP-091702-E	S	TCLP	ND	ND	1	N/A
006A	HP-091702-F	S	TCLP	ND	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA
	S	TCLP	0.05	0.2	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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ITSI 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	Client Project ID: #01117-05; Landfill Gas Removal	Date Sampled: 09/17/02
		Date Received: 09/17/02
	Client Contact: Arvin Acharya	Date Extracted: 09/25/02-09/26/02
	Client P.O.:	Date Analyzed: 09/27/02

Cold Vapor Metal*

Extraction method: SW1311 Analytical methods: SW7471B Work Order: 0209258

Lab ID	Client ID	Matrix	Extraction	Mercury	DF	% SS
0209258-003A	HP-091702-C	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TCLP	0.005	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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		Date Received: 09/17/02
	Client Contact: Arvind Acharya	Date Extracted: 09/17/02
	Client P.O.:	Date Analyzed: 09/17/02

RCI (Reactivity , Corrosivity , Ignitability)

Work Order: 0209258

Lab ID	Client ID	Matrix	Reactivity		Corrosivity	Ignitability
			Sulfide	Cyanide		
005A	HP-091702-E	S	neg	neg	8.14 @ 24.2°C	ND

Reactivity: negative means no obvious reaction with water, no evolution of gas upon contact with water, contains no reactive cyanide or sulfide (<250 mg/kg cyanide and <500 mg/kg sulfide by EPA SW-846, chapter7) and show no indication of exploding.

Corrosivity determined by EPA method 9045; pH = @ _ °C ; ±0.1 units.

Ignitability: negative for a product/sludge/soil/solid means the absence of spontaneous combustion and the absence of flammability upon exposure to a naked flame.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0209258

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 3989 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(gas)	N/A	0.60	N/A	N/A	N/A	103	108	4.46	80	120
MTBE	N/A	0.10	N/A	N/A	N/A	92.5	108	15.5	80	120
Benzene	N/A	0.10	N/A	N/A	N/A	91.4	95.4	4.32	80	120
Toluene	N/A	0.10	N/A	N/A	N/A	88.5	89.6	1.23	80	120
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	94.5	97.3	2.87	80	120
Xylenes	N/A	0.30	N/A	N/A	N/A	93.3	93.3	0	80	120
%SS:	N/A	100	N/A	N/A	N/A	97.5	96.1	1.51	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0209258

EPA Method: SW8015C	Extraction: SW3550C				BatchID: 4009			Spiked Sample ID: 0209261-002A		
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	1.939	150	101	99.7	0.793	94.8	94.9	0.150	70	130
%SS:	101	100	104	103	0.859	104	105	0.344	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0209258

EPA Method: SW8260B Extraction: SW5030B BatchID: 4011 Spiked Sample ID: 0209258-001A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	ND	50	105	109	3.95	110	115	4.40	70	130
Chlorobenzene	ND	50	98.9	102	2.99	104	108	3.77	70	130
1,1-Dichloroethene	ND	50	84.8	88.6	4.34	86	91.6	6.35	70	130
Methyl-t-butyl ether (MTBE)	ND	50	90.7	93.5	3.08	92.5	96	3.75	70	130
Toluene	ND	50	96.3	100	4.00	100	105	4.92	70	130
Trichloroethene	ND	50	92.4	95.8	3.64	96.3	100	3.80	70	130
%SS1:	89.6	100	91.2	92.2	1.13	92.2	91.7	0.537	70	130
%SS2:	101	100	102	102	0.530	100	102	1.30	70	130
%SS3:	105	100	114	112	1.51	112	114	1.23	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MMS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8081B/8082A

Matrix: S

WorkOrder: 0209258

EPA Method: SW8081B/8082A Extraction: SW3550C BatchID: 4010 Spiked Sample ID: 0209298-001A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Aldrin	N/A	10	N/A	N/A	N/A	97.9	101	2.88	70	130
g-BHC	N/A	10	N/A	N/A	N/A	105	107	2.11	70	130
p,p-DDT	N/A	25	N/A	N/A	N/A	99	102	2.95	70	130
Dieldrin	N/A	25	N/A	N/A	N/A	111	114	2.58	70	130
Endrin	N/A	25	N/A	N/A	N/A	106	108	2.31	70	130
Heptachlor	N/A	10	N/A	N/A	N/A	113	116	2.20	70	130
PCB	N/A	75	N/A	N/A	N/A	106	107	0.608	70	130
%SS:	N/A	100	N/A	N/A	N/A	119	107	10.3	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8270D

Matrix: S WorkOrder: 0209258

EPA Method: SW8270D Extraction: SW3550C BatchID: 4012 Spiked Sample ID: N/A

Compound	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD* % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
Acenaphthene	N/A	2	N/A	N/A	N/A	70.9	71.4	0.618	30	130
4-Chloro-3-methylphenol	N/A	4	N/A	N/A	N/A	73.8	74.8	1.29	30	130
2-Chlorophenol	N/A	4	N/A	N/A	N/A	78.5	79	0.635	30	130
1.4-Dichlorobenzene	N/A	2	N/A	N/A	N/A	73.3	73.7	0.572	30	130
2.4-Dinitrotoluene	N/A	2	N/A	N/A	N/A	81.9	82.5	0.694	30	130
4-Nitrophenol	N/A	4	N/A	N/A	N/A	51.3	52.3	2.05	30	130
N-Nitrosodi-n-propylamine	N/A	2	N/A	N/A	N/A	84.7	84.2	0.628	30	130
Pentachlorophenol	N/A	4	N/A	N/A	N/A	80.8	80.4	0.447	30	130
Phenol	N/A	4	N/A	N/A	N/A	76.1	76	0.164	30	130
Pyrene	N/A	2	N/A	N/A	N/A	70	70.2	0.157	30	130
1.2.4-Trichlorobenzene	N/A	2	N/A	N/A	N/A	75.8	76.7	1.11	30	130
%SS6:	N/A	100	N/A	N/A	N/A	106	106	0.347	30	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR CAM17

Matrix: S

WorkOrder: 0209258

Compound	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD* % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
EPA Method: 6010C	Extraction: SW3050B				BatchID: 3990		Spiked Sample ID: N/A			
Antimony	N/A	500	N/A	N/A	N/A	98.6	98.3	0.300	70	130
Barium	N/A	500	N/A	N/A	N/A	94.3	91.8	2.72	70	130
Beryllium	N/A	500	N/A	N/A	N/A	109	110	0.408	70	130
Cadmium	N/A	500	N/A	N/A	N/A	101	101	0.0453	70	130
Chromium	N/A	500	N/A	N/A	N/A	96	97.6	1.62	70	130
Cobalt	N/A	500	N/A	N/A	N/A	93.4	95.6	2.25	70	130
Copper	N/A	500	N/A	N/A	N/A	98	98.2	0.150	70	130
Lead	N/A	500	N/A	N/A	N/A	99.4	99.3	0.0675	70	130
Molybdenum	N/A	500	N/A	N/A	N/A	104	104	0.373	70	130
Nickel	N/A	500	N/A	N/A	N/A	95.1	94.6	0.529	70	130
Silver	N/A	50	N/A	N/A	N/A	87.6	88.9	1.46	70	130
Vanadium	N/A	500	N/A	N/A	N/A	96.4	95.5	0.888	70	130
Zinc	N/A	500	N/A	N/A	N/A	101	103	2.14	70	130
%SS:	N/A	100	N/A	N/A	N/A	99	101	2.13	70	130
EPA Method: SW7010	Extraction: SW3050B				BatchID: 3985		Spiked Sample ID: N/A			
Arsenic	N/A	5	N/A	N/A	N/A	92	83.3	9.89	70	130
Selenium	N/A	5	N/A	N/A	N/A	92.4	92	0.528	70	130
Thallium	N/A	5	N/A	N/A	N/A	105	99.8	5.17	70	130
EPA Method: SW7471B	Extraction: CA Title 22				BatchID: 3987		Spiked Sample ID: 0209234-001A			
Mercury	0.1019	0.25	118	122	46.5	98.2	99.3	1.15	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW6010C

Matrix: S

WorkOrder: 0209258

EPA Method: SW6010C Extraction: CA Title 22 BatchID: 4101 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chromium	N/A	10	N/A	N/A	N/A	97.2	98.3	1.06	70	130
Copper	N/A	10	N/A	N/A	N/A	90.8	96.1	5.62	70	130
Lead	N/A	10	N/A	N/A	N/A	99.1	99.5	0.411	70	130
Nickel	N/A	10	N/A	N/A	N/A	92.7	96.4	3.89	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW6010C

Matrix: S

WorkOrder: 0209258

EPA Method: SW6010C Extraction: SW1311 BatchID: 4154 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chromium	N/A	10	N/A	N/A	N/A	98.6	102	3.25	70	130
Lead	N/A	10	N/A	N/A	N/A	94.5	103	8.73	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW7471B

Matrix: S

WorkOrder: 0209258

EPA Method: SW7471B Extraction: CA Title 22 BatchID: 4144 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Mercury	N/A	0.050	N/A	N/A	N/A	94.8	94.5	0.317	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW7471B

Matrix: S

WorkOrder: 0209258

EPA Method: SW7471B	Extraction: SW1311			BatchID: 4155			Spiked Sample ID: N/A			
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Mercury	N/A	0.050	N/A	N/A	N/A	94.3	95.7	1.47	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0209258

Client:
ITSI
2730 Shadelands Drive Suite 100
Walnut Creek, CA 94598

TEL:
FAX:
ProjectNo: #01117-05; Land
PO:

25-Sep-02

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests <>	6010C	SW6010C	SW7010	SW7471B	SW8015C	8021B/8015
0209258-001	HP-091702-A	Soil	9/17/02 9:40:00 AM		A	A	A	A	A	A	A
0209258-002	HP-091702-B	Soil	9/17/02 9:55:00 AM			A	A	A	A	A	A
0209258-003	HP-091702-C	Soil	9/17/02 10:10:00 AM			A	A	A	A	A	A
0209258-004	HP-091702-D	Soil	9/17/02 10:25:00 AM			A	A	A	A	A	A
0209258-005	HP-091702-E	Soil	9/17/02 10:35:00 AM			A	A	A	A	A	A
0209258-006	HP-091702-F	Soil	9/17/02 10:50:00 AM			A	A	A	A	A	A

Comments: For the RCI; 5 of 6 don't charge on hold until notified per client, STLC's & TCLP's added on 9/25 on 24hr TAT per Arvind

	Date/Time		Date/Time
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

0209258

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? Yes (No)

Report To: ARVIN ACHARYA Bill To: ITSI
Company: ITSI 2730 SHADELANDS DRIVE
SUITE 100 WALNUT CREEK CA 94598
E-mail: AACHARYA@ITSI.COM
Tele: 510-719-6858 Fax: 925-256-8998
Project #: 01117-05 Project Name: LANDFILL GAS REMOVAL
Project Location: HUNTERS POINT NAVAL SHIPYARD
Sampler Signature: Scott Lowry

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI Hold 9/20	Other: Cr STLC, TCLP	Other: Pb STLC + 1 per Arvind Added on 9/25 24 hr TAT	Other: Ni STLC	Other: Hg STLC TCLP	Comments: Pb STLC, TCLP	Comments: Cu, STLC
091702-A	STOCK PILE	9/17/02	9:40	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X		X		X	
HP-091702-B	STOCK PILE	9/17/02	9:55	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X			X	
HP-091702-C	STOCK PILE	9/17/02	10:10	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X	X		X	X
HP-091702-D	STOCK PILE	9/17/02	10:25	4	4oz		X				X				X	X					X	X	X	X		X			X	X		X			X	X
HP-091702-E	STOCK PILE	9/17/02	10:35	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X	X				
HP-091702-F	Stockpile	9/17/02	10:50	4	4oz		X				X				X	X					X	X	X	X		X			X	X	X	X				

Pb TCLP

Relinquished By:	Date:	Time:	Received By:
Scott Lowry	9/17/02	12:00	[illegible]
[illegible]	9/17/02	4:25	Melissa Valles

Remarks:

ICE? ____ GOOD CONDITION ____ HEAD SPACE ABSENT ____ DECHLORINATED IN LAB ____

PRESERVATION APPROPRIATE CONTAINERS ____ PRESERVED IN LAB ____

VOAS	O&G	METALS	OTHER

ATTN LAB
LAB TO COMPOSITE SAMPLES

GENERATOR WASTE PROFILE SHEET

Waste Profile #

Requested Disposal Facility: _____

an Allied Waste Company

I. GENERATOR INFORMATION

Date: 19 July 2002

Generator Name: ROICC - Hunters Point			
Generator Site Address: Hunters Point Shipyard		ATTN: Peter Stroganoff	
City: San Francisco	County:	State: CA	Zip:
Generator State ID No: NA		SIC Code No: NA	
Generator Mailing Address (if different): 2450 Saratoga Street, Suite 200			
City: Alameda	County:	State: CA	Zip: 94501
Generator Contact Name: Peter Stroganoff			
Phone Number: (510) 749-5941		Fax Number: (510) 749-5949	

II. TRANSPORTER INFORMATION

Transporter Name:			
Transporter Address:			
City:	County:	State:	Zip:
Transporter Contact Name:			
Phone Number:	Fax Number:	State Transportation #:	

III. WASTE STREAM INFORMATION

Name of Waste: Wood, Concrete, and incidental Soil

Process Generating Waste: Site cleanup, Hunters Point

Type of waste: INDUSTRIAL PROCESS WASTE or (POLLUTION CONTROL WASTE)

Physical State: (SOLID) SEMI-SOLID POWDER LIQUID OTHER:

Method of Shipment: (BULK) DRUM BAGGED OTHER / EXPLAIN:

Estimated Annual Volume: CUBIC YARDS: _____ TONS: 2,000 OTHER: _____

Frequency: (ONE TIME ONLY) DAILY WEEKLY MONTHLY OTHER / EXPLAIN:

SPECIAL HANDLING INSTRUCTIONS:

IV. REPRESENTATIVE SAMPLE CERTIFICATION

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA § 40 CFR 261.20(c) guidelines or equivalent rules?	YES or NO
Sample Date:	Circle one: COMPOSITE SAMPLE GRAB SAMPLE
Sampler's Employer:	
Sampler's Name (printed):	Signature:

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: _____

an Allied Waste Company

Waste Profile #
2168

I. GENERATOR INFORMATION

Date: 19 July 2002

Generator Name: ROICC - Hunters Point			
Generator Site Address: Hunters Point Shipyard		ATTN: Peter Stroganoff	
City: San Francisco	County:	State: CA	Zip:
Generator State ID No: NA		SIC Code No: NA	
Generator Mailing Address (if different): 2450 Saratoga Street, Suite 200			
City: Alameda	County:	State: CA	Zip: 94501
Generator Contact Name: Peter Stroganoff			
Phone Number: (510) 749-5941		Fax Number: (510) 749-5949	

II. TRANSPORTER INFORMATION

Transporter Name:			
Transporter Address:			
City:	County:	State:	Zip:
Transporter Contact Name:			
Phone Number:	Fax Number:	State Transportation #:	

III. WASTE STREAM INFORMATION

Name of Waste:	Wood, Concrete, and incidental Soil
Process Generating Waste:	Site cleanup, Hunters Point
Type of waste:	INDUSTRIAL PROCESS WASTE or (POLLUTION CONTROL WASTE)
Physical State:	(SOLID) SEMI-SOLID POWDER LIQUID OTHER:
Method of Shipment:	(BULK) DRUM BAGGED OTHER / EXPLAIN:
Estimated Annual Volume:	CUBIC YARDS: _____ TONS: 2,000 OTHER: _____
Frequency:	(ONE TIME ONLY) DAILY WEEKLY MONTHLY OTHER / EXPLAIN:
SPECIAL HANDLING INSTRUCTIONS:	

IV. REPRESENTATIVE SAMPLE CERTIFICATION

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA § 40 CFR 261.20(c) guidelines or equivalent rules?	YES or NO
Sample Date:	Circle one: COMPOSITE SAMPLE GRAB SAMPLE
Sampler's Employer:	
Sampler's Name (printed):	Signature:

Waste Profile # _____

V. PHYSICAL CHARACTERISTICS OF WASTE

CHARACTERISTIC COMPONENTS	% BY WEIGHT (range)
1. Wood @ 45%	
Concrete @ 45%	
Soil @ 10%	
2.	
3.	

Color	Odor (describe):	Free Liquids:	% Solids:	pH:	Flash Point:	Phenol
Brown/Gray varies	NA	YES or (NO) Content_____%	100	7.0	220 °F	NA ____ppm

Attach Laboratory Analytical Report (and or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2, 4-D, 2, 4, 5, -TP Silvex as defined in § 40 CFR 261.33?	YES or (NO)
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in § 40 CFR 261.23?	YES or (NO)
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in § 40 CFR Part 761?	YES or (NO)
Does this waste contain regulated concentrations of listed hazardous wastes defined by § 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	YES or (NO)
Does this waste contain regulated concentrations of 2, 3, 7, 8 -Tetrachlorodibenzodioxin (2, 3, 7, 8 -TCCD), or any other dioxin as defined in § 40 CRF 261.31?	YES or (NO)
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	YES or (NO)
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	YES or (NO)
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	YES or (NO)
Is this waste generated at a Federal Superfund Clean Up Site?	YES or (NO)

VI. GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and acurate description of the waste material being offered for disposal. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste, medical or infectious waste, or any other waste material this facility is prohibited from accepting by law. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

Peter Stroganoff Project Engineer — U.S. Navy RDICC

AUTHORIZED REPRESENTATIVE NAME AND TITLE (Printed) — COMPANY NAME

Peter Stroganoff — 19 July 2002

AUTHORIZED REPRESENTATIVE SIGNATURE — DATE

VII. ALLIED WASTE DECISION

Approved Rejected Expiration:_____

Conditions:

_____

_____

_____

_____

Name, Title — Signature — Date

GENERATOR WASTE PROFILE SHEET

INSTRUCTIONS FOR THE COMPLETION OF GENERATOR WASTE PROFILE SHEET

PURPOSE

The Generator Waste Profile Sheet is to be completed to properly identify and characterize the type of waste that is requested for acceptance. All information provided and certified by the generator of the waste identified by the Waste Profile Sheet is true, correct, and accurate.

This form is to be used when applying for acceptance approval of a new waste stream or the renewal of an existing waste stream.

WASTE PROFILE SHEET INFORMATION

Waste Profile Number: Leave blank. Company tracking number will be issued by the Compliance & Landfill Development Department of Allied Waste.

Disposal Facility: Enter the name of the proposed landfill facility for the ultimate disposal of the non-hazardous solid waste stream.

I. GENERATOR INFORMATION

Generator Name and Address: Enter the required information including the name, address, telephone number of the company generating the waste stream for disposal. If the address to where correspondence is to be sent is different from the site address, complete the mailing address, otherwise, type "SAME". Also enter the Generator's Contact Person's Name and telephone number.

Generator State ID Number: Applies only if State Agency issues ID Numbers (i.e., Illinois EPA has a ten digit code assigned to each generator of special waste). If the State Agency does not issue a number enter "n/a".

SIC Code Number: Each industry class is assigned a four-digit code called a Standard Industrial Classification Code. The classification is assigned to the process which generates a specific product.

II. TRANSPORTATION INFORMATION

Transporter: Enter general information of the waste hauler who is to transport the waste.

III. WASTE STREAM INFORMATION

Waste Name: Provide the common name of the major component or substance that most accurately describes the waste.

Process Description: Provide a description of the process or operation which generates the waste.

Pollution Control Waste or Industrial Process Waste: Check the one category which applies to the waste stream.

> **Pollution Control Waste** means any waste generated as a direct or indirect result of the removal of contaminants from the air, water, or land, which pose a present or potential threat to human health or to the environment or with the inherent properties which make the disposal of such waste in a landfill difficult to manage by normal means. "Pollution Control Waste" includes, but is not limited to, water and wastewater treatment plant sludge, baghouse dusts, landfill wastes, scrubber sludges, chemical spill cleaning.
>
> **Industrial Process Waste** means any waste generated as a direct or indirect result of the manufacturer of the product or the performance of a service, which would pose a present or potential threat to human health or to the environment or with inherent properties which make the disposal of such waste in a landfill difficult to manage by normal means. "Industrial Process Waste" includes, but is not limited to, spent pickling liquors, cutting oils, chemical catalyst, distillation bottoms, etching acids, equipment cleaning, paint sludge, incinerator ashes (including but not limited to ash resulting from the incineration of potentially infectious medical waste), core sands, metallic dust sweepings, asbestos dust, and off-specification, contaminated or recalled wholesale or retail products. Specifically excluded are uncontaminated packaging material, uncontaminated machinery components, general household waste, landscape waste, and construction and demolition debris.

Physical State: Circle one of the choices listed. Give the most accurate phase of the waste.

Method of Shipment: Circle one of the choices listed. Describe the planned method of transportation to the disposal site.

Estimated Annual Volume: List the estimated annual volume in cubic yards or tons. If other, explain (i.e., drums).

Frequency: Circle one of the choices listed. Approximately how often the disposal of the waste is to occur.

Special Handling Instructions: Indicate any specific instructions.

IV. REPRESENTATIVE SAMPLE CERTIFICATION

Collection of Representative Sample: Indicate "Yes" or "No" that a representative sample was collected to prepare the profile sheet and laboratory analytical report in accordance with the USEPA guideline or equivalent rule. Enter date sample taken. Indicate by circling whether this is a Composite Sample or a Grab Sample. Enter sampler's employer company name. Type or print Sampler's name and also have the sampler sign where indicated.

V. PHYSICAL CHARACTERISTICS OF WASTE:

Characteristic Components: Furnish the general constituents and the relative percentages that comprise the waste. These components can have generic or chemical names. The total percentage must equal 100% (i.e., Petroleum Contaminated Soil: soil . . . 97-100%, gasoline . . . 0-2%, moisture . . . 0-2%).

Color: Describe the color of the waste. If the color is variable, provide the most dominating color.

Odor: If an odor from the waste is detected, give the most accurate description of that odor including what kind of odor and if it is slight, mild, or strong. If no odor is detected, indicate "none".

Free Liquids: Determine if there are free liquids in the waste (Paint Filter Test). Mark "NO" if the waste passes the test (no free liquids present). Mark "YES" if the waste fails the test (detecting the presence of free liquids).

Percent Solids: Determine the amount of solids present in the waste; provide as a percentage of the waste as a whole.

pH: Indicate the pH of the waste (Corrosivity).

Flash Point: Indicate the temperature at which the waste ignites.

Phenol: The EPA limit for Phenol concentration in any non-hazardous special waste is 1,000 total ppm. List the total ppm of phenol present.

Attach Analytical Report

Eight RCRA TCLP Metals, Cyanide Total/Reactive, Sulfide Total/Reactive, Flash Point, Paint Filter, pH, Phenol, PCBs, EOX, TCLP Organics (TCLP Volatiles, TCLP Semi-Volatiles), Pesticides/Herbicides are parameters required to be tested for the majority of waste streams for approval. When performing metals and organics analysis, Total or TCLP procedure may be utilized, but any constituent whose total concentration exceeds the TCLP limit must be analyzed using the TCLP test and result reported.
Where parameters are not tested, include historical background and/or Material Safety Data Sheets.
Analytical used to complete this form MUST be less than one (1) year old.

Pesticides and/or Herbicides: Indicate "Yes" or "No".

Sulfide or Cyanide: Indicate "Yes" or "No".

PCBs: Indicate "Yes" or "No".
PCBs are generally used in electric capacitors, transformers, and vacuum pumps. PCBs are not to be present in non-hazardous solid waste. An alternate name commonly used by laboratories for PCB is "Arochlor" followed by a number defining the special PCB tested. If PCBs are tested and separated into the Arochlor compounds, the highest detection limit is the parameter to be reported.

Non-Hazardous Waste Classification Certification: Indicate "Yes" or "No".

Dioxins: Indicate "Yes" or "No".

Toxic Material: Indicate "Yes" or "No".

Radioactive Waste: Indicate "Yes" or "No".

Medical or Infectious Waste: Indicate "Yes" or "No".

Federal Superfund Site: Indicate "Yes" or "No".

VI. GENERATOR CERTIFICATION

Certification requires generator name, title, date, and signature. If a generator employee does not sign the Waste Profile Sheet, a letter from the generator authorizing the person (Contractor/Hauler) to sign the form on their behalf, must accompany the Waste Profile Sheet.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	08/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-1
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear and warm
PM WEATHER	Hot and clear
MAX TEMP (F)	90
MIN TEMP (F)	60

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1	Job Trailer/Lay down Yard – Mobi lization	ITSI	4	Laborer(s)	16
		ITSI	2	Equipment Operator	8
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver	
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	8
		ITSI	1	Superintendent	8
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	8
		ITSI		Geologist	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	80
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	0
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	80

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		None

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Denyo MQ Powere Gen. – MQ Power	
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	09/07/02		
CONTRACT NO	N68711-01-D-6110-0002	TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-2		
CONTRACTOR	Innovative Technical Solutions Inc.	SUPERINTENDENT	Barry Hall
AM WEATHER	Clear and warm	PM WEATHER	Hot and clear
MAX TEMP (F)	90	MIN TEMP (F)	60

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1	Mobilization/Health and Safety Kick off/Pre Construction meeting	ITSI	3	Laborer(s)	32
		ITSI	1	Equipment Operator	8
		ITSI	1	Admin	8
		ITSI	1	Geologist	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	8
		ITSI	1	Superintendent	8
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	96
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	80
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	176

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		None

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	8
1	Hertz	Denyo MQ Powere Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	10/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-3
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear and warm
PM WEATHER	Clear and warm
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Site preparation	ITSI	4	Laborer(s)	41
		ITSI	2	Equipment Operator	22
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	8
		ITSI	1	Superintendent	8
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	8
14	Site Survey	ForeSite	1	Utility Locator	
		Hunter Survey	1	Civil Survey	
		ITSI	1	Geologist	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	134
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	176
TOTAL WORK HOURS FROM START OF CONSTRUCTION	310

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/07/02		
CONTRACT NO	N68711-01-D-6110-0002	TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-4		
CONTRACTOR	Innovative Technical Solutions Inc.	SUPERINTENDENT	Barry Hall
AM WEATHER	Clear	PM WEATHER	Clear
MAX TEMP (F)	65	MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Site preparation	ITSI	4	Laborer(s)	42
		ITSI	2	Equipment Operator	20
		ITSI	1	Dump Truck Driver	1
		ITSI	1	Water Truck Driver	12
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	12
		ITSI	1	Health and Safety	12
		ITSI	1	Superintendent	12
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	10
		ITSI		Geologist	8
14	Site Survey	ForeSite	1	Utility Locator	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	155
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	310
TOTAL WORK HOURS FROM START OF CONSTRUCTION	465

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		283 tons of class II AB

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-5
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Site preparation	ITSI	4	Laborer(s)	42
		ITSI	3	Equipment Operator	30
		ITSI	1	Dump Truck Driver	1
		ITSI	1	Water Truck Driver	12
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	10
		ITSI	1	Health and Safety	11
		ITSI	1	Superintendent	11
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	10
		ITSI	1	Geologist	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	151
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	465
TOTAL WORK HOURS FROM START OF CONSTRUCTION	616

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		209 tons of class II AB

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	15/07/02	
CONTRACT NO: N68711-01-D-6110-0002	TITLE AND LOCATION: **Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**	REPORT NO: CPR-6
CONTRACTOR: Innovative Technical Solutions Inc.	SUPERINTENDENT: Barry Hall	
AM WEATHER: Clear	PM WEATHER: Clear	MAX TEMP (F): 65 / MIN TEMP (F): 55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Site preparation	ITSI	2	Laborer(s)	14
		ITSI	2	Equipment Operator	16
		ITSI	1	Dump Truck Driver	8
		ITSI	1	Water Truck Driver	6
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	
		ITSI	1	Health and Safety	11
		ITSI	1	Superintendent	11
		ITSI	1	Project Manager	
		ITSI	1	Quality Control/Engineer	11
		ITSI	1	Geologist	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 93
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 616
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 709

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT _____ DATE _____

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	16/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-7
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Site preparation	ITSI	2	Laborer(s)	23
		ITSI	2	Equipment Operator	19
		ITSI	1	Dump Truck Driver	7
		ITSI	1	Water Truck Driver	5
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	
		ITSI	1	Health and Safety	10.5
		ITSI	1	Superintendent	11
		ITSI	1	Project Manager	
		ITSI	1	Quality Control/Engineer	10.5
		ITSI	1	Geologist	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	102
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	709
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposec action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	811

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-0-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	17/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-8
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Site preparation	ITSI	2	Laborer(s)	24
		ITSI	2	Equipment Operator	18.5
		ITSI	1	Dump Truck Driver	2
		ITSI	1	Water Truck Driver	2
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	10.5
		ITSI	1	Health and Safety	8
		ITSI	1	Superintendent	11
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	10.5
		ITSI	1	Geologist	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE. THIS DATE, INCL CON'T SHEETS	110.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	811
TOTAL WORK HOURS FROM START OF CONSTRUCTION	921.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator - SK250LC	
1	Hertz	Truck – 12 Yard Dump	
1	Hertz	Crawler – CAT D5MXL	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Bomag Roller – BW17 2-D-2	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	18/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-9
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Soil re-grade	ITSI	3	Laborer(s)	15.5
		ITSI	2	Equipment Operator	21
		ITSI	1	Dump Truck Driver	2
		ITSI	1	Water Truck Driver	2
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Superintendent	8
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Geologist	8
81	Prep and pour concrete equipment pad.	Turn Key Construction	5	Concrete	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 88.5
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 921.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1010

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	JCB Fork Lift - 930	
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator -- SK250LC	
1	Hertz	Truck - 12 Yard Dump	
1	Hertz	Loader - 62 4 H	
1	Hertz	2,000 gallon Water Truck - C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	19/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-10
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	2	Laborer(s) Dustin Hall Eric Kessner Dennis Hill	 1 1 8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	 7 8
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	 7
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	10.5
		ITSI	1	Health and Safety	
		ITSI	1	Superintendent	11
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	10.5
		ITSI	1	Geologist	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 88
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1010
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1098

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	22/07/02		
CONTRACT NO	N68711-01-D-6110-0002	TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-11		
CONTRACTOR	Innovative Technical Solutions Inc.	SUPERINTENDENT	Barry Hall
AM WEATHER	Clear	PM WEATHER	Clear
MAX TEMP (F)	65	MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	 6 2 6 8 8 8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	 6 6
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	 2
		ITSI	1	Admin	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Superintendent	8
		ITSI	1	Project Manager	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Geologist	8

JOB SAFETY				
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	96
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1098
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1194

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	
1	Hertz	Excavator with Breaker – 690ELC	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	23/07/02		
CONTRACT NO	N68711-01-D-6110-0002	TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-12		
CONTRACTOR	Innovative Technical Solutions Inc.	SUPERINTENDENT	Barry Hall
AM WEATHER	Clear	PM WEATHER	Clear
MAX TEMP (F)	65	MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	 7 8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	 8 8 8.5
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	 8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	88.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,202
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,290.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator -- SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	Excavator with Breaker – 690ELC	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	24/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-13
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	9
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	 9 9
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	 8 8 8.5
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	 9

JOB SAFETY				
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	92.5
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,290.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,383

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	Excavator with Breaker – 690ELC	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	25/07/02	
CONTRACT NO: N68711-01-D-6110-0002	TITLE AND LOCATION: **Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**	REPORT NO: CPR-14
CONTRACTOR: Innovative Technical Solutions Inc.	SUPERINTENDENT: Barry Hall	

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	
		ITSI	1	Superintendent	
		ITSI	1	Quality Control/Engineer	
		ITSI	1	Health and Safety Industrial Hygienist	
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	

JOB SAFETY				
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposec action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	26/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-15
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	9
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	 8 8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	 8 8 8.5
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	 8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	89.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,472.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,562

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	29/07/02		
CONTRACT NO	N68711-01-D-6110-0002	TITLE AND LOCATION	Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21
REPORT NO	CPR-16		
CONTRACTOR	Innovative Technical Solutions Inc.	SUPERINTENDENT	Barry Hall
AM WEATHER	Clear	PM WEATHER	Clear
MAX TEMP (F)	65	MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	8
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	64
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,562
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,626

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator - SK250LC	
1	Hertz	Loader - 62 4 H	
1	Hertz	2,000 gallon Water Truck - C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	30/07/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-17
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	8
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 64
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1,626
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1,690

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. - MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator - SK250LC	
1	Hertz	Loader - 62 4 H	
1	Hertz	2,000 galion Water Truck - C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	31/07/02
REPORT NO	CPR-18

CONTRACT NO	TITLE AND LOCATION
N68711-01-D-6110-0002	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	8

JOB SAFETY				
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	56
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,690
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (if YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,746

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS
	All PVC materials including piping, valves, and fittings were shipped back to the vender by D&D Transportation.

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-19
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 56
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1,746
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposec action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1,802

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator -- SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS
	All PVC materials including piping, valves, and fittings were shipped back to the vender by D&D Transportation.

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-20
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson	8
		ITSI	3	Laborer(s) Dustin Hall Jeff Anderson Eric Kessner Dennis Hill Jack Thomas Deshawn Barker	
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposec action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	56
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,802
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,858

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS
	All PVC materials including piping, valves, and fittings were shipped back to the vender by D&D Transportation.

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	5/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-21
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	 6
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley	 8 8 2
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner Dennis Hill	 8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	72
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,858
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,930

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator -- SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	5/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-22
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	2	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	6
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley	8 8 2
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner Dennis Hill	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 72
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1,882
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1,946

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	6/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-22
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	6
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	7 7 1
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner Dennis Hill	7

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	68
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,930
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1,998

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	6/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-23
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	6
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	7 7 1
		ITSI	1	Dump Truck Driver	
		ITSI	1	Water Truck Driver Eric Kessner Dennis Hill	7

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	68
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,946
TOTAL WORK HOURS FROM START OF CONSTRUCTION	2,016

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	7/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-23
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	5
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	7 2 7
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	7 5

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	81
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1,998
TOTAL WORK HOURS FROM START OF CONSTRUCTION	2,079

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	7/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-24
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	5
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	7 2 7
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	7 5

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	76
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	2,016
TOTAL WORK HOURS FROM START OF CONSTRUCTION	2,093

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (Incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	8/08/02
CONTRACT NO	N68711-01-D-6110-0002
TITLE AND LOCATION	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**
REPORT NO	CPR-24
CONTRACTOR	Innovative Technical Solutions Inc.
SUPERINTENDENT	Barry Hall
AM WEATHER	Clear
PM WEATHER	Clear
MAX TEMP (F)	65
MIN TEMP (F)	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	6
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	7 8 2 1
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	1 7

JOB SAFETY				
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	80
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	2,079
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	2,159
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO		

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator -- SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	9/08/02
REPORT NO	CPR-25

CONTRACT NO	TITLE AND LOCATION
N68711-01-D-6110-0002	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	8
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	8
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	6
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	6 6
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	6

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposec action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	72
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	2,159
TOTAL WORK HOURS FROM START OF CONSTRUCTION	2,231

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/08/02
REPORT NO	CPR-26

CONTRACT NO	TITLE AND LOCATION
N68711-01-D-6110-0002	**Emergency Removal Action Landfill Gas Recovery System Hunters Point Shipyard Parcel E Industrial Landfill IR/21**

CONTRACTOR	SUPERINTENDENT
Innovative Technical Solutions Inc.	Barry Hall

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear	Clear	65	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Transportation and disposal preparation	ITSI	1	Project Manager	8
		ITSI	1	Superintendent	8
		ITSI	1	Quality Control/Engineer	10
		ITSI	1	Health and Safety Industrial Hygienist	8
		ITSI	1	Health and Safety	
		ITSI	1	Geologist	10
		ITSI	1	Admin	8
		ITSI	1	Equipment Operator Dustin Hall Jeff Anderson Christian Hartley	3
		ITSI	3	Laborer(s) Dennis Hill Jack Thomas Deshawn Barker Christian Hartley Ken Gutierrez	8 8
		ITSI	1	Dump Truck Driver	
		ITSI	2	Water Truck Driver Eric Kessner Dennis Hill Ken Gutierrez	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	76
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	2,231
TOTAL WORK HOURS FROM START OF CONSTRUCTION	2,307

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No actions taken today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
1	Hertz	Denyo MQ Power Gen. – MQ Power	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Pick up truck-Ford-150XL	
1	Hertz	Excavator – SK250LC	
1	Hertz	Loader – 62 4 H	
1	Hertz	2,000 gallon Water Truck – C- 7500	

Schedule Activity No.	REMARKS

CONTRACTOR/SUPERINTENDENT DATE

Not in Oct 2002 Invoice

11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco
Uniform Hazardous Waste Manifest
Contract No. N68711-D-6110-0003

Number	Date	Manifest Number	Quantity (ton)	Transporter
1	14-Oct.	22023804	22	Al Curry
2	14-Oct.	22023805	22	ATC
3	14-Oct.	22023806	22	Barbary Coast
4	14-Oct.	22023807	22	Brown & Son
5	14-Oct.	22023809	22	Al Curry
6	14-Oct.	22023810	22	ATC
7	14-Oct.	22023813	22	Barbary Coast
8	14-Oct.	22023814	22	Brown & Son
9	14-Oct.	22023824	22	Brown & Son
10	14-Oct.	22023829	22	ATC
11	14-Oct.	22023832	22	Al Curry
12	14-Oct.	22023833	22	Barbary Coast
13	14-Oct.	22023834	22	Brown & Son
14	14-Oct.	22023835	22	ATC
15	14-Oct.	22023836	22	Al Curry
16	14-Oct.	22023837	22	Barbary Coast
17	14-Oct.	22023838	22	Brown & Son
18	14-Oct.	22023839	22	ATC
19	14-Oct.	22023840	22	Al Curry
20	14-Oct.	22023841	22	Barbary Coast
21	14-Oct.	22023842	22	Brown & Son
22	14-Oct.	22023843	22	ATC
23	14-Oct.	22023844	22	Barbary Coast
24	14-Oct.	22023845	22	Al Curry
25	14-Oct.	22023846	22	Brown & Son
26	14-Oct.	22023847	22	ATC
27	14-Oct.	22023848	22	Barbary Coast
28	14-Oct.	22023849	22	Brown & Son
29	14-Oct.	22023850	22	Al Curry
30	14-Oct.	22023851	22	ATC
31	14-Oct.	22023852	22	Barbary Coast
32	14-Oct.	22023853	22	Brown & Son
33	14-Oct.	22023854	22	Al Curry
34	14-Oct.	22023855	22	ATC
35	14-Oct.	22023857	22	Barbary Coast
36	14-Oct.	22023858	22	Brown & Son
			792	

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 0 0 1 1 0 1 1 9 6 9 4 — Manifest Document No. 2 2 3 2 4 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY RDMC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023824
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son
6. US EPA ID Number: CAR000097514
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St Omaha, NE 68179
8. US EPA ID Number: NED000822810
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520
10. US EPA ID Number: UTC000011101
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00011	T	State / EPA/Other 611 Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No.
Railcar No:
Container No:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 1 0 Day 1 4 Year 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: — Month 1 0 Day 1 4 Year 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001196942213 Manifest Document No.
2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St Suite 200 Alameda CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023829
B. State Generator's ID

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000099191
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED000177881
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 132, East Carbon, UT 84520
10. US EPA ID Number: UTD000811001
G. State Facility's ID UTAH 94-21
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00011		State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call Stephen F. Tyahla at (510) 749-5949
ECDC Project No:
Railcar No:
Container No: NUMY 300 120

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA
Signature: [signature] on behalf of
Month 10 Day 19 Year 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: M.L. Dostovon
Signature: [signature]
Month 10 Day 19 Year 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000190694 Manifest Document No. 22326 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2650 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023832
B. State Generator's ID

5. Transporter 1 Company Name
CR England
6. US EPA ID Number UTD006154611
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179
8. US EPA ID Number NED000822689
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number UTD000818691
G. State Facility's ID UTAH 9421 22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00011	T	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call
Stephen F. Tyanis at (510) 749-5940
ECDC Project No.
Railcar No.
Container No: NVRU 303-052

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYANIS Signature: ON BEHALF OF Month 10 Day 11 Year 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPRENGER Signature: Month 10 Day 11 Year 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 400, Sacramento, CA 95812-0400

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001109224 Manifest Document No. 2237
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St. Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 748-5940

A. State Manifest Document Number 22023833

B. State Generator's ID

5. Transporter 1 Company Name: Bayshore Coast
6. US EPA ID Number: CAD981361225

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St Omaha NE 68179
8. US EPA ID Number: NED001788810

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
FCDC Environmental
1111 W. Highway 122
East Carbon UT 84520

10. US EPA ID Number: UTD009912201

G. State Facility's ID UTAH 94-122

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call Stephen F. Tyama at (510) 748-5940
FCDC Project No:
Railcar No.
Container No: NVRU 200-069

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAMA | Signature: [signature] ON BEHALF OF | Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bayshore Coast | Signature: [signature] | Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jane Johnson | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001101196 Manifest Document No. 22132B
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023834
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son
6. US EPA ID Number: CAL000097519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792810
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-158

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson
Signature: Robert Johnson
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature
Month Day Year

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9001101916 Manifest Document No. 212319
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023835
B. State Generator's ID

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000091910
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St Omaha, NE 68179
8. US EPA ID Number: NED000178810
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC080012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call:
Stephen F. Tyarle at: (510) 749-5940
ECDC Project No:

Railcar No:
Container No: NVRU 300-105

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYARLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: A.C. WESTOVER
Signature:
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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State of California—Environmental Protection Agency
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Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000119694 Manifest Document No. 24330

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 610 749-5940

A. State Manifest Document Number 22023836

B. State Generator's ID

5. Transporter 1 Company Name
Cal Cum

6. US EPA ID Number CAD009566419

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179

8. US EPA ID Number NED017922910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-107

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SOLKENEN Signature: Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 242331

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023837

B. State Generator's ID

5. Transporter 1 Company Name: BALBALY COAST

6. US EPA ID Number: CAD981726315

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001782810

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC090012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:

Railcar No:

Container No: NVRU 300-104

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BALBALY COAST — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAØØØ1Ø19694 Manifest Document No. 22332
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023838
B. State Generator's ID

5. Transporter 1 Company Name Brown & Son
6. US EPA ID Number CAR000047519
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 8455390

7. Transporter 2 Company Name Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number NED001792810
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number UTC093012201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-019

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson
Signature: Robert Johnson
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature
Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 Manifest Document No. 22233B
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023839

B. State Generator's ID

5. Transporter 1 Company Name
ATC

6. US EPA ID Number CAF000011491 10

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (408) 923-2546

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179

8. US EPA ID Number NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number UTC093012291

G. State Facility's ID UTAH 94-122

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:

Railcar No:
Container No: NVRU 300-056

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AC WESTOVER Signature: Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA900110196 Manifest Document No. 22334
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023840
B. State Generator's ID
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

5. Transporter 1 Company Name
Al Curry
6. US EPA ID Number
CAD099146611

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179
8. US EPA ID Number
NED001782810

E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number
UTC093012201

G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NYRU 300 162

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Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPIRENZA
Signature
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature
Month Day Year

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000111916 Manifest Document No. 22335
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023841

B. State Generator's ID

5. Transporter 1 Company Name: Bayhay Coast
6. US EPA ID Number: CAD981672635

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001782910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-122

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:

Railcar No:

Container No: NVRU 300-130

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA Signature: [signature] ON BEHALF OF Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BAYHAY COAST Signature: [signature] Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700—22

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001916142213 6 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St. Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5840

A. State Manifest Document Number 22023842
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son TPK
6. US EPA ID Number: CAR000097514
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 845 5340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001788210
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC000301221
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call:
Stephen F. Tyama at: (510) 749-5840
ECDC Project No:
Railcar No:
Container No: NRU 300-088

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR — Printed/Typed Name: STEPHEN F. TYAMA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: Robert John — Month 10 Day 14 Year 02
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY
19. Discrepancy Indication Space
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jarla Johnson — Signature — Month — Day — Year

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000119694 — Manifest Document No. 22373 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 610 749-5940

A. State Manifest Document Number 22023843

B. State Generator's ID

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000004190

C. State Transporter's ID [Reserved.]

D. Transporter's Phone 408 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792810

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Enivronmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from: Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-140

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AL WESTOVER — Signature: Al Westover — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD009182423 Manifest Document No.
2. Page 1 of
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
NAVY ROOD SF BAY AREA
2450 Saratoga St Suite 200 Alameda CA 94501
4. Generator's Phone (510) 748-6940

A. State Manifest Document Number 22023844
B. State Generator's ID

5. Transporter 1 Company Name: Overland Coast
6. US EPA ID Number: [illegible]
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad 1416 Dodge St Omaha NE 68179
8. US EPA ID Number: NED000822932
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: EQ Environmental 1700 S. Highway 122 Grand Junction CO 81505
10. US EPA ID Number: UTD981482022
G. State Facility's ID UTAH 04-212
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA Hazardous Waste Solid (Non-DOT regulated)	001	DM	00011		State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Via Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of emergency or information call Stephen F. Tyrrell (510) 748-6940
EQ Project No. Railcar No. Container No. N/A U 55 [illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYRRELL Signature: [illegible] Month 10 Day 14 Year 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] Signature: [illegible] Month [illegible] Day [illegible] Year [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jerry Jamison Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001101694 Manifest Document No. 22339
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 610 749-5940

A. State Manifest Document Number 22023845

B. State Generator's ID

5. Transporter 1 Company Name
[illegible]

6. US EPA ID Number
CAD009516461

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179

8. US EPA ID Number
NED001792810

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number
UTD093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyanla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-039

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Printed/Typed Name: STEPHEN F. TYANLA
Signature: [illegible] ON BEHALF OF
Month 10 Day 19 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SPRENER
Signature: [illegible]
Month 10 Day 19 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110864234p — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023846
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son TRK
6. US EPA ID Number: CAD000000019
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 845-5396

7. Transporter 2 Company Name: Union Pacific Railroad 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED000170010
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 138, Seal Harbor, UT 84530
10. US EPA ID Number: UTD000811111
G. State Facility's ID: UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	01111	F	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call
Stephen F. Tyahla at (510) 749-5940
ECDC Project No:
Railcar No.
Container No: NVRU 300-Ohio

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: on behalf of — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000110169 Manifest Document No. 22341

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023847

B. State Generator's ID

5. Transporter 1 Company Name ATC

6. US EPA ID Number

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (408) 923-1996

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179

8. US EPA ID Number NED017922910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number UTC099301221

G. State Facility's ID UTAH 94-212

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVSC 300 044

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA Signature: ON BEHALF OF Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson Signature Month Day Year

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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110968 — Manifest Document No. 22342
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023848

B. State Generator's ID

5. Transporter 1 Company Name: Bay Area Coast
6. US EPA ID Number: CAD983672643

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:

Railcar No:

Container No: NVRU-300 017

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bay Area Coast F. Minnie Pate — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000110196 Manifest Document No. 2343 13

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-0940

A. State Manifest Document Number 22023849

B. State Generator's ID

5. Transporter 1 Company Name
Brown & Son TRK

6. US EPA ID Number

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name
Union Pacific Railroad 1416 Dodge St
Omaha, NE 68179

8. US EPA ID Number
NEP000099829

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
EQ/DSI Environmental
11 W. Highway 13
East Carbon, UT 84520

10. US EPA ID Number
UTD980812011

G. State Facility's ID UTAH 941-222

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Soil (Non DOT regulated)	001	CM	00022	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call
Stephen F. Tyndall at (510) 749-0940
EQ/DSI Project No.
Railcar No.
Container No: NVRU 300 116

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Stephen F. Tyndall
Signature: [signature] on behalf of
Month 10 Day 19 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Tomm
Signature: [signature]
Month 10 Day 19 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dave Morrison
Signature
Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAØØ1Ø1Ø9Ø4 Manifest Document No. 2234 4
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023850
B. State Generator's ID

5. Transporter 1 Company Name
Al Curry
6. US EPA ID Number
CAD099664611

C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179
8. US EPA ID Number
NED001792910

E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number
UTD093012201

G. State Facility's ID UTAH 94-122
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or Information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-055

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID P. SORENER
Signature
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature
Month Day Year

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAØØØ11Ø1964 — Manifest Document No. 2213 45

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023851

B. State Generator's ID

5. Transporter 1 Company Name: ATC

6. US EPA ID Number: CAFDDDD114ND

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (408) 923-2946

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179

8. US EPA ID Number: NED001782810

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTD093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
*Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at (510) 749-5940
ECDC Project No
Railcar No:
Container No: NVRU-300-161

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: A. Westavor — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9999196RH — Manifest Document No. 22346 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY RDIOC SF BAY AREA
2450 Saratoga St Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 748-5940

A. State Manifest Document Number: 22023852

B. State Generator's ID

5. Transporter 1 Company Name: Bay Area Coast — 6. US EPA ID Number: CAD982672648

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St, Omaha, NE 68179 — 8. US EPA ID Number: NED000178280

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 111 W. Highway 122, East Carbon, UT 84520 — 10. US EPA ID Number: UTD000811221

G. State Facility's ID: UTAH 94-122

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non U.S. DOT regulated)	000	DM	00033	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call Stephen F. Tvania at (510) 748-5940
ECDC Project No:
Railcar No.
Container No: NVRU-300-112

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Stephen F. Tvania — Signature: on behalf of — Month 10 Day 17 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bay Area Coast Transportation — Signature: — Month 10 Day 19 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jane Johnson — Signature — Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 400, Sacramento, CA 95812-0400

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000196941 — Manifest Document No. 22347

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023853

B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son Trk

6. US EPA ID Number: CAR000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179

8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTC093012201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyanle at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300 026 S.V.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN F. TYANLE — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAØØ1Ø196942234 8 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda CA 94501
4. Generator's Phone 610 749-5940

A. State Manifest Document Number 22023854
B. State Generator's ID

5. Transporter 1 Company Name
Al Cunning
6. US EPA ID Number CAD089564
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St
Omaha NE 68179
8. US EPA ID Number NED017822910
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number UTD093012291
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00077	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NWRU-300-147

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jane Johnson — Signature — Month Day Year

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

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To: P.O. Box 400, Sacramento, CA 95812-0400

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001196944 — Manifest Document No. 22349
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023855
B. State Generator's ID:

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CAR000001491

C. State Transporter's ID [Reserved.]
D. Transporter's Phone: (408) 923-2946

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number: NED001792910

E. State Transporter's ID [Reserved.]
F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTD093012201

G. State Facility's ID: UTAH 941-122
H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:

Railcar No:
Container No: NVRU 300132

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: A.L. Westover — Signature: — Month 10 Day 17 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month — Day — Year

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001196942 Manifest Document No. 23510
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023857
B. State Generator's ID
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

5. Transporter 1 Company Name Bay Area Coast
6. US EPA ID Number F199PEKF45
7. Transporter 2 Company Name Union Pacific Railroad, 1416 Dodge St. Omaha, NE 68179
8. US EPA ID Number NED001792910

E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number UTC093012201

G. State Facility's ID UTAH 94-212
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00033	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300 105

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bay Area Coast Jimmie Potts
Signature:
Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001919694 — Manifest Document No. 22-35 V
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2440 Sebastopol St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023858
B. State Generator's ID

5. Transporter 1 Company Name: Brown & Son TRK
6. US EPA ID Number: CAD009919719
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 845-5390

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St, Omaha, NE 68179
8. US EPA ID Number: NED981199819
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
111 W. Highway 122
East Carbon, UT 84520
10. US EPA ID Number: UTD093012291
G. State Facility's ID UTAH 914-122
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	DM	00011		State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at (510) 749-5941
ECDC Project No.
Railcar No.
Container No. MVRU 5[illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR — Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] on behalf of — Month 10 Day 14 Year 02

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Harrison — Signature: [signature] — Month [illegible] Day [illegible] Year 02
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Debra Johnson — Signature — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD0[illegible]1964[illegible]2-2-3 Manifest Document No.
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
[illegible] SOIL YARD
7650 Spartan St. Suite 200 Alameda CA 94501
4. Generator's Phone ( ) [illegible]

A. State Manifest Document Number 22023804
B. State Generator's ID

5. Transporter 1 Company Name
[illegible]
6. US EPA ID Number
CAD[illegible]
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St
Omaha NE 68179
8. US EPA ID Number
NPD[illegible]
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
[illegible]
[illegible] Highway 95
[illegible]
10. US EPA ID Number
UT[illegible]
G. State Facility's ID [illegible]
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non RCRA hazardous waste solid [illegible]	[illegible]	[illegible]	[illegible]		State / EPA/Other 611 Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
[illegible]
Railcar No.
Container No. AVRU-300-050

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. THAYER
Signature: [illegible] on behalf of
Month 10 Day 19 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [illegible]
Month 10 Day 19 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name [illegible]
Signature
Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA000196194 Manifest Document No. 2213 12
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY PROPERTY SF BAY AREA
3950 Saratoga St, Suite 100 Alameda, CA 94501

4. Generator's Phone (510) 749-5840

A. State Manifest Document Number 22023805

B. State Generator's ID

5. Transporter 1 Company Name ATS
6. US EPA ID Number CAR000001916

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (408) 923-2946

7. Transporter 2 Company Name Union Pacific Railroad Fort Dodge Q
Omaha NE 68179
8. US EPA ID Number NEP000172210

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
[illegible]
[illegible] Highway 173
Beatty, NV 89003
10. US EPA ID Number UTD988091221

G. State Facility's ID UTAH 941-122

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Not DOT Regulated)	001	CM	00013		State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen [illegible] at (510) 749-5840
[illegible]

Railcar No:
Container No: NVRU 300 035

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
JOSEPH F. TYAMA	ON BEHALF	10	14	92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	10	14	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jana Johnson				

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

DTSC 8022A (1/99)
EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000110196194 — Manifest Document No. 22313 13
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone (510) 749-5940

A. State Manifest Document Number 22023806
B. State Generator's ID

5. Transporter 1 Company Name: Barbary Coast
6. US EPA ID Number: EAD983672635
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St. Omaha NE 68179
8. US EPA ID Number: NED000199810
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC990910001
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non DOT regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU-300 166

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BARBARY COAST TRANSIT INC — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001619194 Manifest Document No. 22213 14
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St, Suite 200 Alameda, CA 94501

4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023807

B. State Generator's ID

5. Transporter 1 Company Name
Brown & Son TK

6. US EPA ID Number CAL000097519

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (415) 845 5390

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St
Omaha, NE 68179

8. US EPA ID Number NED000822910

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number UTD000822991

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	000	CM	00011	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300-109

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Printed/Typed Name: STEPHEN F. TYAHLA
Signature: ON BEHALF OF
Month 10 Day 19 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson
Signature:
Month 10 Day 19 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson
Signature:
Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0000187694 — Manifest Document No. 2213 / 15
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY SOUTH BAY AREA
7400 Spurgeon St. Bldg 707 Alameda CA 94501
4. Generator's Phone ( ) Non-Gen

A. State Manifest Document Number 22023809
B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number
C. State Transporter's ID [Reserved.]
D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address — 10. US EPA ID Number
G. State Facility's ID UTAH 9421
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA HAZARDOUS WASTE SOLID, NOS (Non-Regulated)	001	CM	001	T	State 611 / EPA/Other Non-RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Railcar No.
Container No. NVSU 300-114

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Brooke F. Thomas — Signature: ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Harry Johnson — Signature — Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001 D71 8 6 9 4 — Manifest Document No. 2 2 3 1 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023810

B. State Generator's ID

5. Transporter 1 Company Name: ATC
6. US EPA ID Number: CNR000149110

C. State Transporter's ID [Reserved.]

D. Transporter's Phone 408-923-2946

7. Transporter 2 Company Name
Union Pacific Railroad, 1416 Dodge St.
Omaha, NE 68179
8. US EPA ID Number: NED000178810

E. State Transporter's ID [Reserved.]

F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520
10. US EPA ID Number: UTC000301201

G. State Facility's ID UTAH 94-22

H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyania at (510) 749-5940
ECDC Project No.

Railcar No
Container No: NVRY 300163

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: STEPHEN F. TYANIA — Signature: ON BEHALF OF — Month 1 0 Day 1 4 Year 0 2

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: A.L. WESTOVER — Signature: — Month 1 0 Day 1 4 Year 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

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To: P.O. Box 400, Sacramento, CA 95812-0400

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001019694 — Manifest Document No. 22213 17
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St Suite 200 Alameda, CA 94501

4. Generator's Phone (510) 749-5940

A. State Manifest Document Number: 22023813

B. State Generator's ID

5. Transporter 1 Company Name: Barbary Coast
6. US EPA ID Number: CAD983672635

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St Omaha, NE 68179
8. US EPA ID Number: NED000177229

E. State Transporter's ID [Reserved.]

F. Transporter's Phone: 402-271-4400

9. Designated Facility Name and Site Address
ECDC Environmental
1111 W. Highway 123
East Carbon, UT 84520

10. US EPA ID Number: UTD000820001

G. State Facility's ID: UTAH 94-22

H. Facility's Phone: 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
[a] Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No. NVRU 300 146

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Barbary Coast Jimmie Potts — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature: — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

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DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
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Department of Toxic Substances Control
Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA0001/01/9/6/9/4 — Manifest Document No. 2213 18 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVY ROICC SF BAY AREA
2450 Saratoga St., Suite 200 Alameda, CA 94501
4. Generator's Phone 510 749-5940

A. State Manifest Document Number 22023814
B. State Generator's ID

5. Transporter 1 Company Name: Blowin & Son TRK — 6. US EPA ID Number: CAR000087579
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (415) 8455340

7. Transporter 2 Company Name: Union Pacific Railroad, 1416 Dodge St Omaha, NE 68179 — 8. US EPA ID Number: NED001792810
E. State Transporter's ID [Reserved.]
F. Transporter's Phone 402-271-4400

9. Designated Facility Name and Site Address: ECDC Environmental, 1111 W. Highway 123, East Carbon, UT 84520 — 10. US EPA ID Number: UTD980122201
G. State Facility's ID UTAH 94-22
H. Facility's Phone 800-444-4451

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
Non-RCRA Hazardous Waste Solid (Non D.O.T. regulated)	001	CM	00022	T	State 611; EPA/Other Non-RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. Cal-Haz Soil and Debris from:
Hunter's Point Shipyard, San Francisco

K. Handling Codes for Wastes Listed Above
a. 03 — b. — c. — d.

15. Special Handling Instructions and Additional Information
In case of Emergency or information call:
Stephen F. Tyahla at: (510) 749-5940
ECDC Project No:
Railcar No:
Container No: NVRU 300 029

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Printed/Typed Name: STEPHEN F. TYAHLA — Signature: [signature] ON BEHALF OF — Month 10 Day 14 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Johnson — Signature: [signature] — Month 10 Day 14 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jana Johnson — Signature — Month — Day — Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 400, Sacramento, CA 95812-0400

BROWN & SON TRUCKING CO.

22 Vista View Ct.
San Francisco, CA 94124
(415) 824-2645

No. 0177

CONSIGNEE (DELIVERED TO)	UNDERLYING CARRIER	Date 200	Rate
ADDRESS	ADDRESS	TRUCK NO.	TRAILER NO.
CONSIGNOR (RECEIVED)	I.D. NO. / NO. AXLES / TARE WEIGHT	S M T W T F S	
ADDRESS	TYPE EQUIPMENT ☐ #10 WHEELER ☐ TRANSFER ☐ PUP ☐ DBL BOTTOM ☐ SEMI BOTTOM ☐ SEMI END	TONS	
COMMODITY	JOB NO./DESCRIPTION	LOADS	
Precise Point of Origin	Precise Point of Destination	TOLLS	HOURS

No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS	No.	MATERIALS SCALE TAG NO.	MATERIALS YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	P.O. # OR COMMENTS
1								9							
2								10							
3								11							
4								12							
5								13							
6								14							
7								15							
8								16							

REMARKS	START TIME	STOP TIME	DEDUCT TIME	NET TIME HRS.
	DRIVERS SIGNATURE			INITIAL HERE FOR NO LUNCH
	RECEIVED BY X			

ON ALL PAST DUE ACCOUNTS THERE WILL BE A FINANCE CHARGE OF 1-1/2% PER MONTH WHICH IS 18% ANNUALLY. DEBTOR AGREES TO PAY LEGAL FEES AND COURT COSTS INCURRED IN THE COLLECTION OF DELINQUENT ACCOUNTS.

ATTACHMENT 3
CONTRACTOR SUBMITTALS AND INFORMATION REQUESTS

EMERGENCY LANDFILL GAS REMOVAL ACTION
BARRIER WALL
N68711-01-D-6110-0003
RFI LOG

RFI #	Description	Date Submitted	Response Required By	Status of RFI	Conclusions
1	Concrete debris replacement during trenching	8/28/2002	8/29/2002	Designer disagrees with BART soil backfill/retrench approach. Prefers reusable backfill first and then sand). ITSI has been following the recommended approach for most of the trench	Resolved- No cost impact - schedule impact likely with concrete removal
2	Relocate GundWall alignment 4-feet NW & W	8/28/2002	8/29/2002	Designer concurs with realignment. Does not concur with gravel backfill. Prefers use of reusable backfill first and then sand. ITSI has been following the recommended approach for most of the trench	Resolved- No cost or schedule impact
3	Trench Widths are not typically 2-feet wide	8/28/2002	8/29/2002	Designers opinion is schedule is maintained inspite of 4-foot widths on trench. No response from designer on costs for additional materials (foam). ITSI is on schedule as of 9/12/02	Partially resolved. Cost impacts due to additional foam materials is unresolved.
4	Modified Construction Procedure/Sequence for Pre-trench (in debris)	8/28/2002	8/29/2002	Designer disagrees with alternate approaches - prefers sand or reusable backfill. Designer indicates that physical screening with use of excavator is adequate. Designer indicates use of pre-driving to remove obstructions. ITSI has been following the recommended approach for reusable backfill. ITSI does not concur that physical screening with excavators is adequate to avoid obstructions. ITSI does not concur that pre-driving will clear obstructions - from ITSI's experience, pre-driving followed by reinstallation of GundWall can cause new obstructions.	Partially resolved. Need to jointly approach a field procedure to be implemented when obstructions are encountered even after clearing by pre-driving
5	PVC pipe field slot dimensions	9/10/2002	9/12/2002		
6	Realignment of GundWall along GG Museum fenceli	9/10/2002	9/12/2002		

FROM:
ITSI
Parcel E, Landfill Site
HPS, California
(510)719-6858 – Arvind Acharya

REQUEST FOR INFORMATION
RFI NO. 1

DATE:
8/26/2002

PROJECT: HPS Landfill Gas RA
CONTRACT: N68711-01-D-6110-0003

TO: Dave Demars/Maz
1230 Columbia Street
San Diego, CA 92101

CC: John Anderle, ROICC
Steve Tyhla, ROICC
Andrew Uehisa, ROICC
Victoria Coker, TtEMI
Steve Delhomme, TtEMI
Kevin Bricknell, TtEMI

RESPONSE REQUIRED BY: 8/29/02

TITLE: Concrete Debris Replacement during pre-trenching

REFERENCE : Pre-Trenching for Barrier Wall-

DESCRIPTION OF INFORMATION REQUESTED:

Between Stations 1400 – 1330 concrete debris occurred at depth to groundwater. ITSI recommends back filling trench with BART soil or 3/8-inch gravel to replace debris voids below depths of 7'. The additional debris removal was required to ensure unhindered GUND wall installation.

This RFI requests approval from the RPM to replace debris voids with compacted BART soil followed by re-trenching to a 2-foot width and placement of 3/8-inch gravel as it is material approved by the GundWall installer. Subsequent direction from the Navy RPM indicated that we move ahead to the western corner of UCSF (Station 1330) and start trenching from this location onward. A decision will be made by the RPM later whether trenching is needed here or replace with a network of extraction wells.

Signature: Arvind Acharya
Title: Project Manager
[ ] See attached sketch/letter

DESIGNER COMMENTS:
DATE: 09-03- 2002

Attempts should first be made to use acceptable existing soil excavated from other portions of the trench to limit the amount of offsite backfill used. TTEMI does not concur with the installation of gravel. Previous and subsequent discussions with several installers and GSE indicate that sandy material (as included in the original design) is the ideal condition for the installation of Gundwall. If additional offsite backfill is required, and BART soil is determined to be unacceptable due to large debris or rocks, then sand bacfill should be used.

Signature: Steve DelHomme
Title: Design Manager
[ ] See attached sketch/letter

ROICC COMMENTS:
DATE:

Signature:
Title
[ ] See attached sketch/letter

FROM:
ITSI
Parcel E, Landfill Site
HPS, California
(510) 719-6858 – Arvind Acharya

REQUEST FOR INFORMATION
RFI NO. 2

DATE:
8/26/2002

PROJECT: HPS Landfill Gas RA
CONTRACT: N68711-01-D-6110-0003

TO: Dave Demars/Maz
1230 Columbia Street
San Diego, CA

CC: John Anderle, ROICC
Steve Tyhla, ROICC
Andrew Uehisa, ROICC
Victoria Coker, TtEMI
Steve Delhomme, TtEMI
Kevin Bricknell, TtEMI

ONSE REQUIRED BY: 8/29/02

TITLE: Relocate GundWall a ncrete debris

REFERENCE : Pre-Trenching for Barrier Wall-

DESCRIPTION OF INFORMATION REQUESTED:

Due to concrete debris between stations 13+30 and 14+00, in accordance with TtEMI recommendation, relocate the alignment of the pre-trench 4-feet northwest and west respectively to attempt to minimize removal of concrete debris.
Back filling existing open trench (16-feet wide and 10-feet deep) with BART soil to ground surface between these stations to facilitate relocation of the GUND wall 4-feet northwest. Compacting the placed BART soil, retrenching 2-feet width and backfilling with 3/8-inch gravel from the bottom up to the desired design depth (to 2-feet below grade). Changing the alignment of the pre-trench may result in GundWall panel procurement changes. Preliminary discussion with GundWall installer on August 22, 2002 indicates that no change in procurement will be necessary as long as the corners are maintained as in the original design.
This RFI requests approval from the RPM for the re-alignment of the pre-trench in accordance with TtEMI recommendations and backfilling existing open trench with BART soil using the procedure described above.

Signature: Arvind Acharya
Title: Project Manager
[ ] See attached sketch/letter

DESIGNER COMMENTS:
DATE: August 30, 2002

This realignment was required in order to move the trench outside of the landfill waste. The corners discussed above will remain the same, so no change in procurement or cost to the Navy will be required.

All backfilling procedures should be attempted first with onsite soil removed from the trench. Alternately, BART soil can be used. TTEMI does not concur with the installation of gravel. Previous and subsequent discussions with GSE and other independent installers and indicate that sandy material (as included in the original design) is the ideal condition for the installation of Gundwall. If additional off-site backfill is required, and BART soil is determined to be unacceptable due to large debris or rocks, then clean poorly graded sand backfill should be used.

Signature: Steve DelHomme
Title: Design Manager
[ ] See attached sketch/letter

ROICC COMMENTS:
DATE:

FROM:
ITSI
Parcel E, Landfill Site
HPS, California
(510)719-6858 – Arvind Acharya

REQUEST FOR INFORMATION
RFI NO. 3

DATE:
8/26/2002

PROJECT: HPS Landfill Gas RA
CONTRACT: N68711-01-D-6110-0003

TO: Dave Demars/Maz
1230 Columbia Street
San Diego, CA

CC: John Anderle, ROICC
Steve Tyhla, ROICC
Andrew Uehisa, ROICC
Victoria Coker, TtEMI
Steve Delhomme, TtEMI
Kevin Bricknell, TtEMI

RESPONSE REQUIRED BY: 8/29/02

TITLE: Trench widths are not typically 2-feet wide

REFERENCE : Pre-Trenching for Barrier Wall-

DESCRIPTION OF INFORMATION REQUESTED:

During pre-trench excavation, trench widths typically range from 2- to 8-feet wide partially due to buried concrete debris or undermining of the trench sidewalls when excavation exceeded depths of 5-feet. This impacts schedule, quantities of backfill/BART soil, and emission control foam materials.

This RFI is for information only to the RPM indicating that trench widths are greater than the 3-feet that was originally estimated. Cost impacts for this have not been determined at this stage of the field effort.

Signature: Arvind Acharya
Title: Project Manager
[ ] See attached sketch/letter

DESIGNER COMMENTS:
DATE:

The trench widths have averaged about 4 feet so far due to concrete debris removal. Large debris was discovered during the first two days of excavation; however, since that time it appears that ITSI has been able to achieve the production rate shown in the schedule.

Signature: Steve DelHomme
Title: Design Manager
[ ] See attached sketch/letter

ROICC COMMENTS:
DATE:

Signature:
Title
[ ] See attached sketch/letter

The RFI system is intended to provide an efficient and formal mechanism for responding to contractor's requests for information. It is NOT an authority to proceed with additional work. If the contractor considers the RFI response a changed condition, written notice to the Resident Officer in Charge of Construction (ROICC) is required in accordance with contract provisions. Limit each RFI to one subject.

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Signature:	Title	[ ] See attached sketch/letter

The RFI system is intended to provide an efficient and formal mechanism for responding to contractor's requests for information. It is NOT an authority to proceed with additional work. If the contractor considers the RFI response a changed condition, written notice to the Resident Officer in Charge of Construction (ROICC) is required in accordance with contract provisions. Limit each RFI to one subject.

FROM:
ITSI
Parcel E, Landfill Site
HPS, California
(510)719-6858 – Arvind Acharya

REQUEST FOR INFORMATION
RFI NO. 4

DATE:
8/26/2002

PROJECT: HPS Landfill Gas RA
CONTRACT: N68711-01-D-6110-0003

TO: Dave Demars/Maz
1230 Columbia Street
San Diego, CA

CC: John Anderle, ROICC
Steve Tyhla, ROICC
Andrew Uehisa, ROICC
Victoria Coker, TtEMI
Steve Delhomme, TtEMI
Kevin Bricknell, TtEMI

RESPONSE REQUIRED BY: 8/29/02

TITLE: Modified Construction Procedure/Sequence for Pre-Trenching (In Debris/Mixed Fill)

REFERENCE : Pre-Trenching for Barrier Wall-

DESCRIPTION OF INFORMATION REQUESTED:

Due to presence of buried concrete debris (below 7-feet depth) along the pre-trench alignment, ITSI is proposing an alternate procedure for pre-trench construction to reduce chances of refusal during GundWall installation. This applies only to areas containing intermixed concrete/cobble debris - not in areas that do not have any debris. Originally planned sequence of fluffing the subsurface material below 7-feet assumed that it would be a fine-grained fill with a uniform size distribution. Since the fill typically has intermixed concrete debris (varied sizes from fine-grained to over 2-feet in diameter) and landfill trash – it is NOT a suitable medium for the GundWall installation. Physically sorting this debris/fill mixed excavated material with excavators on site is NOT feasible as it still retains some larger fragments that could potentially hinder the installation of the GundWall. The GundWall installer has approved the 3/8-inch gravel after pre-selecting from over 6 types and sources of material. In order to ensure unhindered installation of the GundWall, ITSI proposes the following alternate procedure for pre-trench excavation:

Excavate entire pre-trench and backfill centerline of trench excavation with BART soil. Wheel-compact the backfilled trench to 7-feet below grade. Cut a 2-foot wide sub-trench within compacted backfill to depths of 17-feet or top of groundwater and fill with 3/8-inch gravel. As the trench backfill is prepared and compacted, it is expected that the sidewalls of the 2-foot wide sub-trench will hold without collapsing thus controlling the quantity of 3/8-inch gravel fill used within a 2X10-sq. feet cross- section (see attached sketch).

Alternate to this procedure in the case of a wide trench (>6-feet) is to remove debris/cobble material and place 3/8-inch gravel along the centerline building up gradually with concurrent placement of either, a) BART soil, or b) debris-free excavated soil as backfill placed on either side of the gravel up to a depth of 2-feet below grade (see sketch below).

Benefits of this procedure are to ensure that GundWall installation is not hindered due to presence of unsuitable material. Relatively, it costs more to deal with obstructions during GundWall installation than the additional cost of 3/8-inch gravel.

This RFI requests approval from the RPM for implementing this construction sequence as an alternate to 1) fluffing existing intermixed debris/fill that could result in refusal during GundWall installation, or 2) backfilling the entire open trench with 3/8-inch gravel.

Signature:	Title:	
Arvind Acharya	Project Manager	[X] See attached sketch/letter

DESIGNER COMMENTS: **DATE: 09-03-02**

The excavated soil appears to be similar to the soil boring information provided to ITSI prior to the bid. Because ITSI had this information, which shows various materials from sand to silty clays with some debris, it is not clear why ITSI would have assumed a uniform size distribution. TTEMI disagrees that sorting the material with excavators to remove large objects is not feasible. The material has been effectively screened over the past week using the excavator. (Landfill waste, when encountered is already being disposed offsite and is not being screened). In discussions with GSE, some sporadic debris, less than six inches in size, should not hinder the installation of the Gundwall. This is especially true in the material that has been "fluffed", because it will not be as tightly compacted as in-situ material. If an obstruction is encountered, GSE has standard procedures for clearing it, including driving the backing plate down without the liner attached to clear the obstruction and then reattaching the liner and installing it. As stated in responses to previous RFIs, TTEMI does not concur with the need for gravel backfill. Sand backfill, as originally designed is sufficient for installation of the Gundwall and is preferable to gravel both from a cost standpoint and to prevent infiltration of silt into the venting area. TTEMI would like to see the technical data upon which ITSI is basing its concern regarding installation of Gundwall in sand. TTEMI's discussions with GSE and other independent installers indicate that sandy material is an ideal condition for the installation of Gundwall. The concern for compaction of the sand and rejection of the Gundwall due to vibration appears unfounded. While there can be no guarantees regarding the Gundwall installation, the additional cost of these construction methods and of the use of gravel over sand in the trench in order to "ensure unhindered installation of the Gundwall" does not appear to be justified. It is also not at all clear that, even if one or two spots did have to be excavated that it would be more expensive than filling the entire trench with gravel and the units rates that have been quoted for gravel and off-site disposal.

In over-excavated areas, outside of the installation trench, debris-free material is not necessary. Soil excavated from the trench should be used in these areas. Small rocks and rubble will not adversely affect the installation as long as they can be placed and compacted with the soil.

Signature: Steve DelHomme

Title: Design Manager

[ ] See attached sketch/letter

ROICC COMMENTS: **DATE:**

Signature:

Title

[ ] See attached sketch/letter

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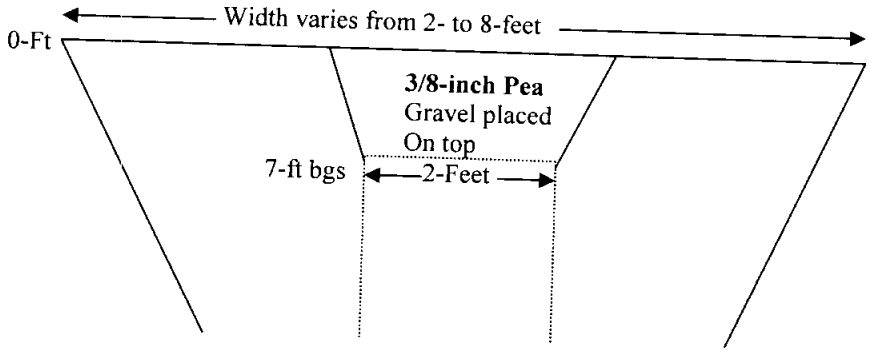
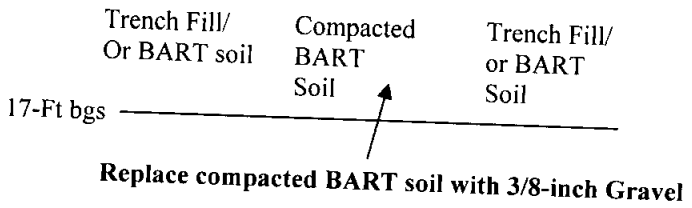
sh

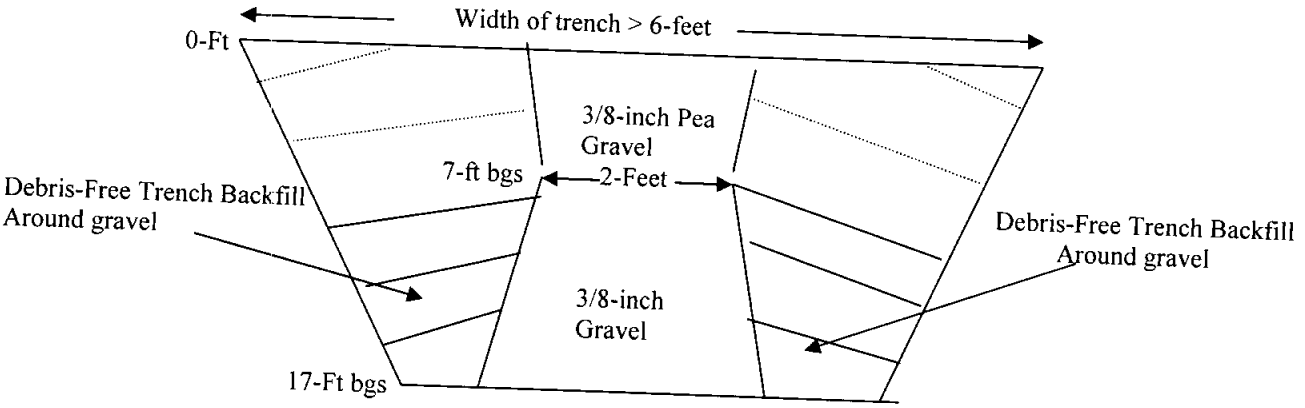
Conceptual Drawings of Trench Cut Section

Proposed Backfill with BART soil/Compact/Replace with 3/8-inch gravel





Alternate approach – For Trench>6-feet wide -Build up 3/8-inch gravel from base upwards-fill sides with debris-free trench fill.



FROM:
ITSI
Parcel E, Landfill Site
HPS, California
(510)719-6858 – Arvind Acharya

REQUEST FOR INFORMATION
RFI NO. 5

DATE:
9/10/02

PROJECT: HPS Landfill Gas RA
CONTRACT: N68711-01-D-6110-0003

TO: Dave Demars/Maz
1230 Columbia Street
San Diego, CA

CC: John Anderle, ROICC
Steve Tyhla, ROICC
Andrew Uehisa, ROICC
Victoria Coker, TtEMI
Steve Delhomme, TtEMI
Kevin Bricknell, TtEMI

RESPONSE REQUIRED BY: 9/12/02

TITLE: PVC Pipe field slot dimensions

REFERENCE : Specification Section 15100 Piping and valves/C-102

DESCRIPTION OF INFORMATION REQUESTED:
PVC conveyance piping will be field slotted to conform to the 3/8-inch gravel backfill around the pipe with dimensions as follows:

0.1-inch width on slots, 3-inches in length along entire length of PVC pipe. Two rows of slots will be cut 180-degrees from each other along the entire length of the pipe.

In areas backfilled with 'Angel Island Coarse Sand', the field slotted PVC pipe will be wrapped directly with geotextile to ensure that the conveyance pipe is not clogged during passive extraction.
ITSI obtained concurrence with TtEMI on September 5, 2002 during QC Meeting on this approach. Per ROICC (S. Tyhla) suggestion, an RFI is submitted to record this procedure.
There is no impact to schedule and cost with this approach.

Signature: Arvind Acharya
Title: Project Manager
[X] See attached sketch/letter

DESIGNER COMMENTS:
DATE: 09-03-02

Signature:
Title:
[ ] See attached sketch/letter

ROICC COMMENTS:
DATE:

Signature:
Title
[ ] See attached sketch/letter

The RFI system is intended to provide an efficient and formal mechanism for responding to contractor's requests for information. It is NOT an authority to proceed with additional work. If the contractor considers the RFI response a changed condition, written notice to the Resident Officer in Charge of Construction (ROICC) is required in accordance with contract provisions. Limit each RFI to one subject.

FROM:
ITSI
Parcel E, Landfill Site
HPS, California
(510)719-6858 – Arvind Acharya

REQUEST FOR INFORMATION
RFI NO. 6

DATE:
9/10/02

PROJECT: HPS Landfill Gas RA
CONTRACT: N68711-01-D-6110-0003

TO: Dave Demars/Maz
1230 Columbia Street
San Diego, CA

CC: John Anderle, ROICC
Steve Tyhla, ROICC
Andrew Uehisa, ROICC
Victoria Coker, TtEMI
Steve Delhomme, TtEMI
Kevin Bricknell, TtEMI

RESPONSE REQUIRED BY: 9/12/02

TITLE: Realignment of GundWall along GG Museum fenceline

REFERENCE : Reference Figure C-6

DESCRIPTION OF INFORMATION REQUESTED:
Between coordinates 0+00 and 2+00 (adjacent to the GG Museum fence), the GundWall is proposed to be realigned by creating a pivot point near 0+00 thus moving the GundWall out by 4-feet to allow a safe margin of space between the pre-trench and fixed structures within the GG Museum property. This alignment will provide 11-feet in space between the pre-trench and the fixed structures within the GG Museum property.

A copy of the proposed realignment was submitted to ITSI by TtEMI on 9/4/02. Subsequent discussions with Cooper Crane and ITSI on this realignment has confirmed that there will be no changes in procurement or costs for the GundWall installation with this change in alignment.

Signature: Arvind Acharya
Title: Project Manager
[ ] See attached sketch/letter

DESIGNER COMMENTS:
DATE: 09-03-02

Signature:
Title:
[ ] See attached sketch/letter

ROICC COMMENTS:
DATE:

Signature:
Title
[ ] See attached sketch/letter

The RFI system is intended to provide an efficient and formal mechanism for responding to contractor's requests for information. It is NOT an authority to proceed with additional work. If the contractor considers the RFI response a changed condition, written notice to the Resident Officer in Charge of Construction (ROICC) is required in accordance with contract provisions. Limit each RFI to one subject.

SUBMITTAL REGISTER

CONTRACT NO. N68711-01-D-6110-0002

TITLE AND LOCATION - HUNTER'S POINT SHIPYARD
EMERGENCY LANDFILL GAS REMOVAL ACTION

CONTRACTOR
Innovative Technical Solutions, Inc (ITSI)

ACTIVATE (a)	TRANSMITTAL NO (b)	SPEC SECT (c)	DESCRIPTION ITEM SUBMITTED (d)	PARAGRAPH # (e)	CLASSIFICATION (f)	GOVT OR CONTR (g)	Contractor Schedule Dates: SUBMIT (h)	APPROVED NEEDED BY (i)	MATERIAL NEEDED BY (j)	Contractor Action: ACTION CODE (k)	DATE OF ACTION (l)	DATE FWD TO APPR AUTH/ DATE REC'D FROM CONT. (m)	Approving Authority: DATE FWD TO OTHER REVIEWER (n)	DATE REC'D FROM OTHER REVIEWER (o)	ACTION CODE (p)	DATE OF ACTION (q)	MAILED TO CONTR/ DATE REC'D FROM APPR AUTH (r)	REMARKS
	1	01405	Surveying															
			Hard copy and disk as AutoCAD	1.4		G	8-Nov											
	2	02070	EW Installation															
			Shop drawings if installation diffe	1.04b		G												
			from Design Drawings															
			Signed copy of Drilling Logs, We	1.04c			4-Sep											
			Installation Diagrams, and field notes															
	3	02219	Erosion Protection	1.5														
			Stormwater Management Plan															
	4	02200	Earthwork															
			Certified Laboratory test reports	1.03		G	25-Nov											
	5	02321	Cement Stabilized Sand															
			Target cement and production da	1.04		G												
	7	02706	PVC Pipe															
			Shop drawings if installation diffe	1.05		G												
			from Design Drawings															
	8	02800	PolyEthylene GeoMembrane Liner															
			Certification that resin meets spe	1.04A1a		G												
			Cert: no reclaimed polymer adde	1.01A2a														
			Layout drawings, proposed	1.04B1			4-Sep											
			Geosynth Field Install. QA Plan	1.04B2														
			Cert:membrane installed per con	1.04C1			28-Oct											
			Material and installation warrantie	1.04C2			28-Oct											
			Layout drawings, As-Built	1.04C3														
	9	02801	Woven Geotextile															
			Certificate of compliance	1.03A														
			on request: material lot test recc	1.03B														
			on request: sample sent to lab 4	1.03C														
	10	02802	Non-Woven Geotextile															
			QC data: GeoTxtl meets MARV	1.3A														
			on request: manufact's QC man	1.3B														
	11	15100	Piping and Valves															
	12	15200	Treatment System															
			Drawings, cut sheets	1.2														
			O&M Manual				22-Nov											

ACTION CODES:
- NR - Not Received
- AN - Approved As Noted
- A - Approved
- RR - Disapproved, revise and resubmit

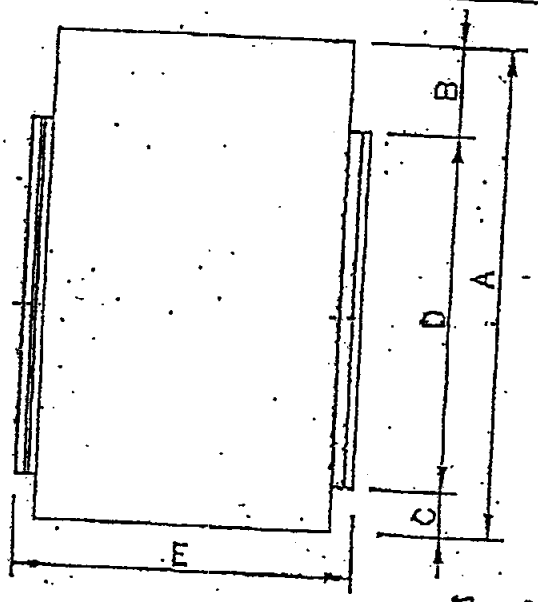
SUBMITTAL NO. HPL-01	CQC CLAUSE 10.2 IS APPLICABLE ☑ IS NOT APPLICABLE ☐	
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**	REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor): Innovative Technical Solutions (ITSI), 2730 Shadelands Drive, Suite 100, Walnut Creek, CA 94598	TO (A): ROICC, Hunter's Point, CA — (A) DESIGNER
	CONTRACT NO.: *N68711-D-6110-0003*	CONTRACT TITLE: EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM
(B) (Check One) X RECORD ___ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER: GSE GundWall Panel Fabrication Details, Specification: 02800, Section Number: 1.04A1	(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)*: IT IS HEREBY CERTIFIED THAT THE ☐ EQUIPMENT ☑ MATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT N68711-D-6110-0003 IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.	
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c): [signature]	DATE: 3 Sept 02 — (C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE	
	FROM (*Designer*): Stephen Delhomme	TO (*ROICC/REICC*): Steve Tyahla
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES- REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE: No exceptions taken.	(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE: DCK for S. Delhomme	DATE: 2.Oct.02
	PART III - FOR ROICC/REICC USE	
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC): Stephen F. Tyahla	TO (E): Arvind Acharya — (E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS: NO EXCEPTIONS TAKEN.	
	SIGNATURE: [signature]	DATE: 17 OCT 2002

GSE GundWall™ Panel Fabrication Details

Job Name & Location: Emergency Landfill Gas Removal Action Hunters Pt. Naval Shipyard, Parcel E, San Franci

Ordered By: Greg Moeller at Cooper Crane & Rigging, Inc.

Date Submitted August 13, 2002



A = Total Panel Length

B = Length of Top Flap (Liner only)

C = Length of Bottom Flap (Liner only)

D = Length if InterLock

E = Width of Panel (O. to O. of Interlock)

	Ex. 2 Size 1	Ex. 3 Size 2	Ex. 4 Size 3	Ex. 2 Size 4	Ex. 2 Size 5
Number of Panels	376	4	4	10	10
Sheet Mil Thickness	80	—	—	—	—
Anchors (Yes/No)	yes	—	—	—	—
Dim A	17'-0"	—	—	—	—
Dim B	0'-0"	—	—	—	—
Dim C	0'-0"	—	—	—	—
Dim D	17'-0"	—	—	—	—
Dim E	4'-0"	—	—	1'-0"	2'-0"
Anchor Length	45"	45"	45"	Note 1	Note 1

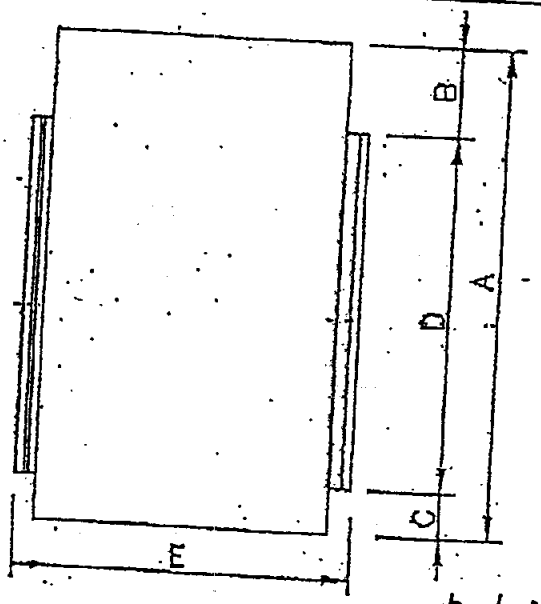
Notes:

1) Anchor Length per GSE shop drawing

page 2 of 2

GSE GundWall™ Panel Fabrication Details

Job Name & Location: Emergency Landfill Gas Removal Action Hunters Pt. Naval Shipyard, Parcel E, San Franci
Ordered By: Greg Moeller at Cooper Crane & Rigging, Inc.
Date Submitted: August 13, 2002



A = Total Panel Length

B = Length of Top Flap (Liner only)

C = Length of Bottom Flap (Liner only)

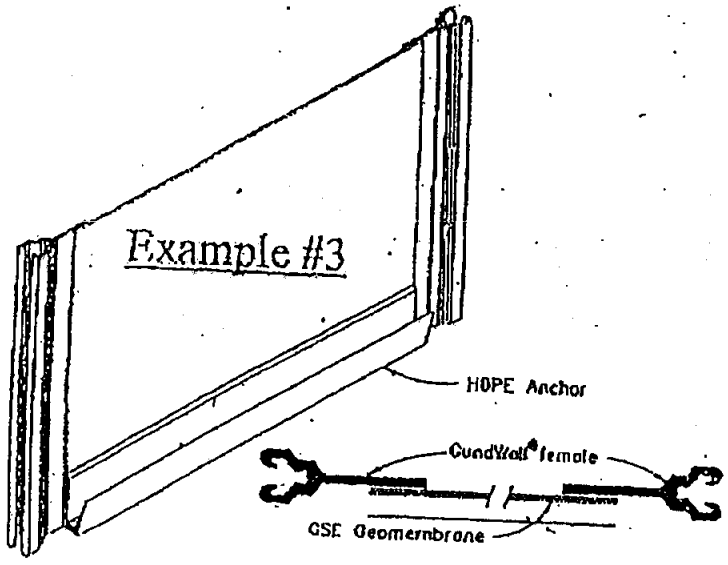
D = Length if InterLock

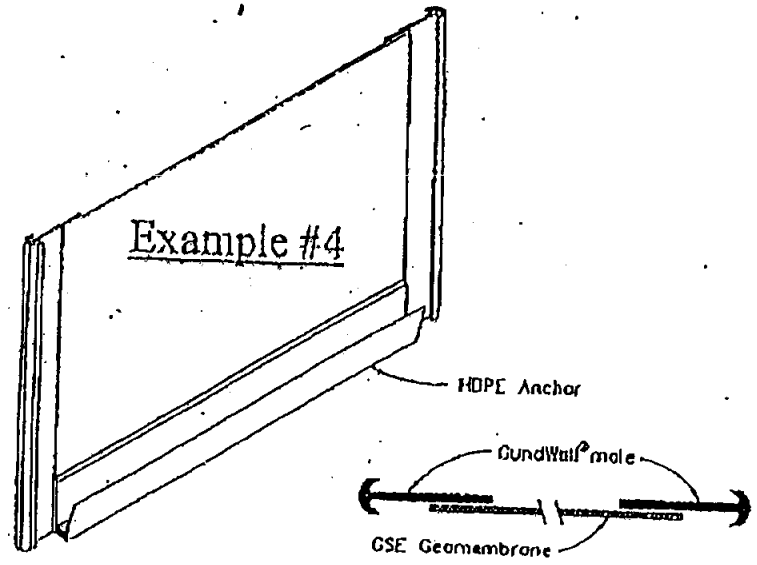
E = Width of Panel (O. to O. of Interlock)

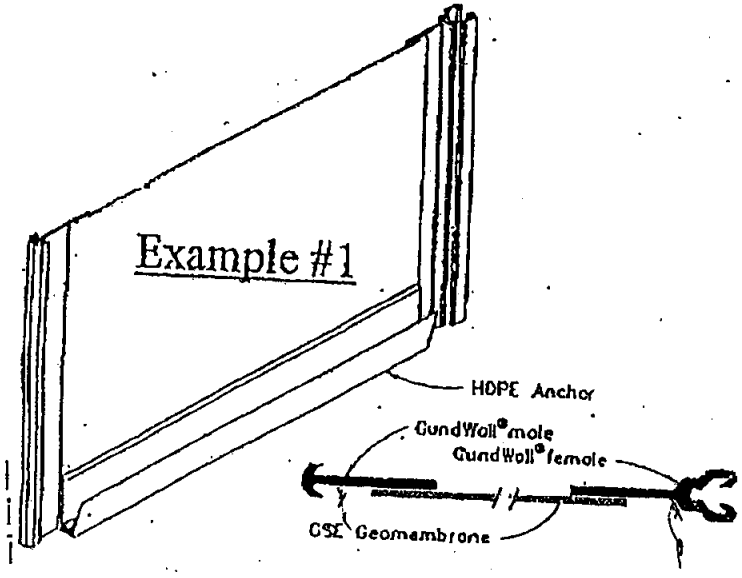
	Detail 1 Size 1	Detail 2 Size 2	Size 3	Size 4	Size 5
Number of Panels	4	3			
Sheet Mil Thickness	80	→			
Anchors (Yes/No)	yes	→			
Dim A	17'-0"	→			
Dim B	0'-0"	→			
Dim C	0'-0"	→			
Dim D	17'-0"	→			
Dim E	4'-0"	→			
Anchor Length	Note 2	Note 2			

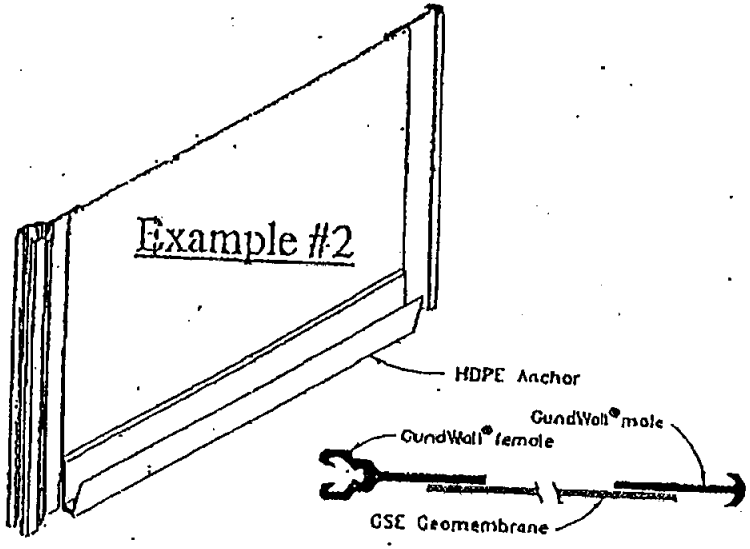
Notes
2) Anchor Length per GSE shop drawing

PLEASE CIRCLE THE CORRECT ORIENTATION OF INTERLOCKS.



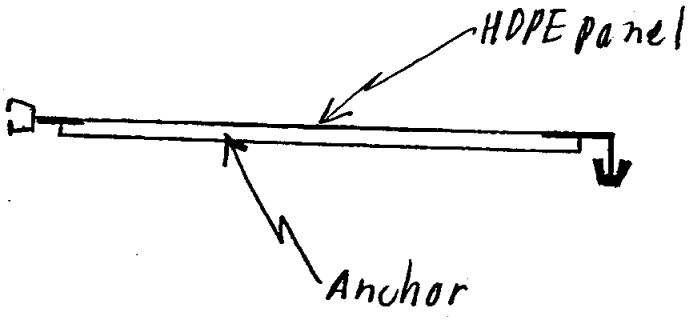




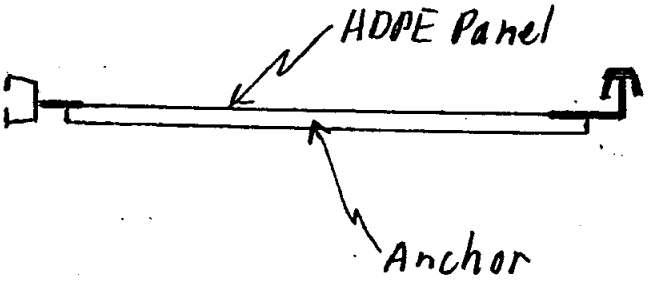


Hunters Point Shipyard, Bundwall 8-13-02, G.M.

Detail 1, 90° Bundwall Corner



Detail 2, 90° Bundwall Corner



22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

SUBMITTAL NO. HPL-02	CQC CLAUSE 10.3 IS APPLICABLE ☑	IS NOT APPLICABLE ☐	
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**		REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor) Innovative Technical Solutions (ITSI) 2730 Shadelands Drive, Suite 100 Walnut Creek, CA 94598	TO (A) **ROICC** **Hunter's Point, CA**	(A) DESIGNER
	CONTRACT NO. ***N68711-D-6110-0003***	CONTRACT TITTLE **EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM**	
(B) (Check One) X RECORD ____ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER Field notes, signed copy of the driller log, and well installation diagrams. Specification: 02070 Section Number: 1.04C		(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)* IT IS HEREBY CERTIFIED THAT THE ☐ EQUIPMENT ☑ MATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT **N68711-D-6110-0003** IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.		
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c) [illegible]	DATE 3 Sept 02	(C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE		
	FROM (*Designer*) Stephen Dalhomme	TO (*ROICC/REICC*) Steve Tyahla	
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES- REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE: Boring log EX2: for SM soil, one of the subrounded terms should be subangular Boring log EX-4: "Dry ice was added to the borehole before building the well." Is stated twice. Was it added twice at different times?		(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE [illegible] for S. Dalhomme	DATE 2. Oct. 02	
	PART III - FOR ROICC/REICC USE		
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC) STEPHEN F. TYAHLA	TO (E) Arvind Acharya	(E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS: NO EXCEPTIONS TAKEN		
	SIGNATURE [illegible]	DATE 17 OCT 2002	

SUBMITTAL NO. HPL-03	CQC CLAUSE 10.1 IS APPLICABLE ☑ IS NOT APPLICABLE ☐		
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**		REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor) Innovative Technical Solutions (ITSI) 2730 Shadelands Drive, Suite 100 Walnut Creek, CA 94598	TO (A) **ROICC** **Hunter's Point, CA**	(A) DESIGNER
	CONTRACT NO. ***N68711-D-6110-0003***	CONTRACT TITTLE **EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM**	
(B) (Check One) X RECORD ____ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER Civil Survey of Extraction Well Locations Civil Survey of trench alignment Civil Survey of As-built trench alignment Civil Survey of As-built Topography	Specification: 01405 Section Number: 1.4A	(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)* IT IS HEREBY CERTIFIED THAT THE ☐ EQUIPMENT ☑ MATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT **N68711-D-6110-0003** IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.		
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c) [illegible]	DATE 8 Nov 2002	(C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE		
	FROM (*Designer*)	TO (*ROICC/REICC*)	
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES- REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE:		(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE	DATE	
	PART III - FOR ROICC/REICC USE		
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC)	TO (E)	(E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS:		
	SIGNATURE	DATE	

SUBMITTAL NO. HPL-05	CQC CLAUSE 10.5 IS APPLICABLE ☑ IS NOT APPLICABLE ☐		
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**		REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor) Innovative Technical Solutions (ITSI) 2730 Shadelands Drive, Suite 100 Walnut Creek, CA 94598	TO (A) **ROICC** **Hunter's Point, CA**	(A) DESIGNER
	CONTRACT NO. ***N68711-D-6110-0003***	CONTRACT TITTLE **EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM**	
(B) (Check One) X RECORD ___ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER Operations and Maintenance Manual		(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)* IT IS HEREBY CERTIFIED THAT THE ☐ EQUIPMENT ☑ MATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT N68711-D-6110-0003 IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.		
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c)	DATE **22-Nov-02**	(C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE		
	FROM (*Designer*)	TO (*ROICC/REICC*)	
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES-REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE:		(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE	DATE	
	PART III - FOR ROICC/REICC USE		
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC)	TO (E)	(E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS:		
	SIGNATURE	DATE	

SUBMITTAL NO. HPL-06	CQC CLAUSE IS APPLICABLE ☑ IS NOT APPLICABLE ☐	
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**	REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor) Innovative Technical Solutions (ITSI) 2730 Shadelands Drive, Suite 100 Walnut Creek, CA 94598	TO (A) **ROICC** **Hunter's Point, CA**	(A) DESIGNER
	CONTRACT NO. ***N68711-D-6110-0003***	CONTRACT TITTLE **EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM**	
(B) (Check One) X RECORD ____ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER Concrete load Tickets Concrete testing results Specification: 03300 Section Number: 1.2.2		(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)* IT IS HEREBY CERTIFIED THAT THE ☐ EQUIPMENT ☑ MATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT **N68711-D-6110-0003** IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.		
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c) [illegible signature]	DATE 11-25-02	(C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE		
	FROM (*Designer*)	TO (*ROICC/REICC*)	
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES-REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE:		(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE	DATE	
	PART III - FOR ROICC/REICC USE		
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC)	TO (E)	(E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS:		
	SIGNATURE	DATE	

REMIT PAYMENT TO:
ALLIED CONCRETE
696 AMADOR STREET
SAN FRANCISCO, CA 94124
PHONE 415-282-8117
FAX 415-255-8770

ALLIED CONCRETE READY MIX

INVOICE DATE _____

INVOICE # _____

VISA _____ M/C _____

DRIVER'S SIGNATURE	TRK #	COLLECTED CHECK # _____ COLLECTED CASH _____
SOLD TO:	DELIVERY ADDRESS:	
PURCHASE ORDER #	TERMS:	DUE AT JOB:

WEIGHMASTER CERTIFICATE: This is to certify that the described item above was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 112700) of Division 5 of the California Business and Professionals Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

By _____ Measured at _____

Allied Concrete Ready Mix Weighmaster

SPECIAL INSTRUCTIONS PUMP CO. _____

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY THIS LOAD	UNIT PRICE	EXTENDED PRICE
		/YARDS.		
			SUB TOTAL	
			TAX	

BATCH	ARRIVED	TIME START	START JOB	TIME ENDED	TOTAL TIME	FREE TIME	STANDBY

CONCRETE RETURNED OVER 1 YARD

$20 PER YARD + tax

PUMP WASHOUT $30 + tax

TOTAL

TERMS AND CONDITIONS: In the event that payment has been refused on the grounds that there is alleged to have been a defect or deficiency in the materials provided, or in any other case in which it is asserted that other damages have been caused by any act or omission on the part of ***Allied Concrete Ready Mix*** including without limitation breach of contract, breach of warranty, or negligence it is agreed that ***Allied Concrete Ready Mix*** may elect in its sole discretion to refer the matter to binding arbitration to be conducted by, and according to the rules and procedures of, the American Arbitration Association. In the case of such arbitration, it shall be held in the City and County of San Francisco; the prevailing party shall be entitled to recover its attorney's fees and costs; and the nonprevailing party shall bear the cost of arbitration. ***Allied*** is not responsible for cracks or for color variation in colored or regular concrete.

Title to this material conveyed when loaded at point of origin; By accepting delivery you agree to the following: All orders are for street curb delivery. You will assume all responsibility for all damages where delivery is made inside the curb; A clean out area must be provided and you will assume responsibility for cleaning streets. All COD orders cash only unless prior verification of check; a service charge of 1 & 1/2% per month will be charged on all past due balances; there is a $35.00 service charge on all returned checks; 1 & 1/2% charge for credit card payments; No refunds are permitted; Attorney fees to be allowed in the event of any legal proceedings arising out of a breech of this agreement; Please read mechanic's lien law and warning on back of this invoice.

SLUMP	WATER ADDED

STAND BY TIME CONDITIONS
4 Minutes per yard; $1 per minute thereafter
$2 per minute after 1 hr and after 5 PM

RECEIVED BY _____

PRINT NAME _____

PREVIOUS BALANCE: _____

Reorder from NEBS CUSTOM printing service 1-800-589-6327 NEBS Inc. Commerce, GA 30529

REMIT PAYMENT TO:
ALLIED CONCRETE
696 AMADOR STREET
SAN FRANCISCO, CA 94124
PHONE 415-282-8117
FAX 415-255-8770

ALLIED CONCRETE READY MIX

INVOICE DATE _____

INVOICE # _____

VISA _____ M/C _____

DRIVER'S SIGNATURE	TRK #	COLLECTED CHECK # _____ COLLECTED CASH _____

SOLD TO:	DELIVERY ADDRESS:

PURCHASE ORDER #	TERMS:	DUE AT JOB:

WEIGHMASTER CERTIFICATE: This is to certify that the described item above was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 112700) of Division 5 of the California Business and Professionals Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

By _____ Measured at _____

Allied Concrete Ready Mix Weighmaster

SPECIAL INSTRUCTIONS

PUMP CO. _____

PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY THIS LOAD	UNIT PRICE	EXTENDED PRICE
		/YARDS.		
			SUB TOTAL	
			TAX	

BATCH	ARRIVED	TIME START	START JOB	TIME ENDED	TOTAL TIME	FREE TIME	STANDBY

CONCRETE RETURNED OVER 1 YARD

$20 PER YARD + tax

PUMP WASHOUT $30 + tax

TOTAL

TERMS AND CONDITIONS: In the event that payment has been refused on the grounds that there is alleged to have been a defect or deficiency in the materials provided, or in any other case in which it is asserted that other damages have been caused by any act or omission on the part of ***Allied Concrete Ready Mix*** including without limitation breach of contract, breach of warranty, or negligence it is agreed that ***Allied Concrete Ready Mix*** may elect in its sole discretion to refer the matter to binding arbitration to be conducted by, and according to the rules and procedures of, the American Arbitration Association. In the case of such arbitration, it shall be held in the City and County of San Francisco; the prevailing party shall be entitled to recover its attorney's fees and costs: and the nonprevailing party shall bear the cost of arbitration. ***Allied*** is not responsible for cracks or for color variation in colored or regular concrete.

Title to this material conveyed when loaded at point of origin; By accepting delivery you agree to the following: All orders are for street curb delivery. You will assume all responsibility for all damages where delivery is made inside the curb; A clean out area must be provided and you will assume responsibility for cleaning streets. All COD orders cash only unless prior verification of check: a service charge of 1 & 1/2% per month will be charged on all past due balances; there is a $35.00 service charge on all returned checks; 1 & 1/2% charge for credit card payments; No refunds are permitted; Attorney fees to be allowed in the event of any legal proceedings arising out of a breech of this agreement; Please read mechanic's lien law and warning on back of this invoice.

SLUMP	WATER ADDED

STAND BY TIME CONDITIONS
4 Minutes per yard; $1 per minute thereafter
$2 per minute after 1 hr and after 5 PM

RECEIVED BY _____

PRINT NAME _____

PREVIOUS BALANCE: _____

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SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

www.smithemery.com

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard

Los Angeles, California 90021 (213) 749-3411 Fax: (213) 746-7228
San Francisco, California 94188 (415) 330-3000 Fax: (415) 330-3030

Inspection Report

Project-Job: **60882-1**
ITSI, INC.

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CA

Report #: **INSP-1**

July 25, 2002
Page 1 of 1

Mailing Address:
SMITH-EMERY COMPANY
P.O. BOX 880550
SAN FRANCISCO, CA 94188-0550

Distributed to:
ITSI, INC.
SMITH-EMERY COMPANY

CONCRETE INSPECTION REPORT

07/18/02

Inspected the addition of water and slump (water control) at slab at parcel E.

12 Cubic yards of Allied Bedrock.
One set of four test specimens made.

Air entrainment 2.7%.

Verified truck trip tickets for conformance with mix design.

All work inspected complies with the approved plans, job specifications, and the City of San Francisco Building Code, except as noted.

INSPECTED BY EMP. #2168, Wylie Stevenson

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SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard

Los Angeles, California 90021
San Francisco, California 94188

www.smithemery.com
(213) 749-3411 Fax: (213) 746-7228
(415) 330-3000 Fax: (415) 330-3030

Project-Job: 60882-1
ITSI, INC.

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CA

Concrete Compression Test

Report #: CTHR-1 July 25, 2002
Page 1 of 1

Distributed to
ITSI, INC.
SMITH-EMERY COMPANY

Mailing Address:
SMITH-EMERY COMPANY
P.O. BOX 880550
SAN FRANCISCO, CA 94188-0550

(ASTM Standards used C10,C39,C231,C173,C138,C1064)

All tests performed by Smith Emery Engineer: Jim Partridge Job Manager: 1069

Set # 1 Date made **Thursday, July 18 2002** Slump: **3.00** 28 Days Design Strength (PSI) **3,500**
Standard size Sampled By **2168** Temp (F) Conc./Air **72 / 65** Mix Design **5313**
TruckTicket/Load# **1**
Sample Location: SLAB @ PARCEL E

No.	Date of Test	Age (Days)	Height	Diameter	Area	Test Load (Lbs.)	Strength (PSI)	Fract.*	% of Design
1	07/25/2002	7	12.00	6.00	28.27	71,000	2,510	A	72
2	08/15/2002	28	12.00	6.00	28.27				
3	08/15/2002	28	12.00	6.00	28.27				
4	HOLD		12.00	6.00	28.27				

28 day compliance: *N/A*

*Fracture type (A) cone (B) cone & split (C) cone & shear (D) shear (E) column

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P.O. Box 880550, Hunter's Point Shipyard

Los Angeles, California 90021
San Francisco, California 94188

www.smithemery.com
(213) 749-3411 Fax: (213) 746-7228
(415) 330-3000 Fax: (415) 330-3030

Project-Job: 60882-1
ITSI, INC.

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CA

Concrete Compression Test

Report #: CTHR-2 August 15, 2002
Page 1 of 1

Distributed to
ITSI, INC.
SMITH-EMERY COMPANY

Mailing Address:
SMITH-EMERY COMPANY
P.O. BOX 880550
SAN FRANCISCO, CA 94188-0550

(ASTM Standards used C10,C39,C231,C173,C138,C1064)

All tests performed by Smith Emery Engineer: Jim Partridge Job Manager: 1069

Set # 1 Date made **Thursday, July 18 2002** Slump: **3.00** 28 Days Design Strength (PSI) **3,500**
Standard size Sampled By **2168** Temp (F) Conc./Air **72 / 85** Mix Design 5313
TruckTicket/Load# 1
Sample Location: SLAB @ PARCEL E

No.	Date of Test	Age (Days)	Height	Diameter	Area	Test Load (Lbs.)	Strength (PSI)	Fract.*	% of Design
1	07/25/2002	7	12.00	6.00	28.27	71,000	2,510	A	72
2	08/15/2002	28	12.00	6.00	28.27	116,500	4,120	D	118
3	08/15/2002	28	12.00	6.00	28.27	125,000	4,420	C	126
4	HOLD		12.00	6.00	28.27				

28 day compliance: ***Test COMPLIES with specification. 28 day average=4,271. Percent of Design=122%***

*Fracture type (A) cone (B) cone & split (C) cone & shear (D) shear (E) column

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SUBMITTAL NO. HPL-04	CQC CLAUSE 10.1 IS APPLICABLE ☑ IS NOT APPLICABLE ☐	
REFERENCES TO USE WHEN CQC CLAUSE IS APPLICABLE	**PART I - FOR CONTRACTORS USE**	REFERENCES TO USE WHEN CQC CLAUSE IS NOT APPLICABLE
(A) ROICC/REICC	FROM (Contractor) Innovative Technical Solutions (ITSI) 2730 Shadelands Drive, Suite 100 Walnut Creek, CA 94598	TO (A) **ROICC** **Hunter's Point, CA**	(A) DESIGNER
	CONTRACT NO. ***N68711-D-6110-0003***	CONTRACT TITTLE **EMERGENCY REMOVAL ACTION LANDFILL GAS RECOVERY SYSTEM**	
(B) (Check One) X RECORD ___ APPROVAL	THE FOLLOWING ITEM IS SUBMITTED FOR (b) PER SPECIFICATION AND SECTION NUMBER Cert:membrane installed per contract ☐ Material and installation warranties ☐ Specification: 02800 Section Number: 1.04C1 and 1.04C2		(B) APPROVAL
	CERTIFICATION *(This form shall not be used to forward proposed substitutions)* IT IS HEREBY CERTIFIED THAT THE ☐ EQUIPMENT ☑ MATERIAL AND SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO CONTRACT **N68711-D-6110-0003** IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.		
(C) AUTHORIZED CONTRACTOR QUALITY CONTROL REPRESENTATIVE	CERTIFIED BY (c) [illegible]	DATE 24 Oct 02	(C) PERSON DESIGNATED BY CONTRACTOR AS HAVING AUTHORITY
	PART II - FOR DESIGNER USE		
	FROM (*Designer*)	TO (*ROICC/REICC*)	
(D) CURSORY REVIEW REQUIRED ON RECORD COPIES-REPLY TO ROICC ONLY IF APPROPRIATE. DETAILED REVIEW REQUIRED ON SUBMITTALS FOR GOVERNMENT APPROVAL. STAMP AND MAKE EACH COPY AS APPROPRIATE.	THIS SUBMITTAL HAS BEEN REVIEWED (D). THE FOLLOWING RECOMMENDATION IS MADE:		(D) DETAILED REVIEW REQUIRED. STAMP AND MARK EACH COPY AS
	SIGNATURE	DATE	
	PART III - FOR ROICC/REICC USE		
(E) DESIGNER (COPY TO ROICC)	FROM (ROICC/REICC)	TO (E)	(E) CONTRACTOR (COPY TO ROICC)
	ENCLOSURES ARE RETURNED WITH THE FOLLOWING COMMENTS:		
	SIGNATURE	DATE	

COOPER CRANE & RIGGING INC.
P.O. Box 2540
Novato, CA 94948-2540
State License No. A 500763

Office (415) 892-2778
Fax (415) 892-9229

Evenings
(415) 892-3888

Mr. Steve Van De Wiel
ITSI
2730 Shadelands Drive, #100
Walnut Creek, CA 94598

Subject: Final Statements

Dear Steve:

Per Arvind Acharya's request, I make the following statements to close-out the Hunter's Point contract:

1) The geomembrane has been installed in accordance with the Contract Documents with the exception that we were directed in the field to install portions of the wall deeper than shown on the plans.
2) Material Warranty – the material is warranted, on a pro-rata basis against Manufacturer's defects for a period of 5 years from the date of geomembrane installation.
3) Installation Warranty – the installation is warranted against defects in workmanship for a period of 1 year from the date of geomembrane completion.

Please contact me if you have any questions or comments.

Sincerely,

Russell Barnes
Vice President
Cc: 720384

Operations and Maintenance Manual

Prepared For:
Innovative Technical Solutions
Walnut Creek, CA

Prepared by:
CARBONAIR Environmental Systems, Inc.
2731 Nevada Avenue North
New Hope, MN 55427-2864
Project Manager: Mike Keilen
CARBONAIR Project No.: 15072

September 5, 2002

CONTENTS

1. INTRODUCTION

2. SYSTEM DESCRIPTION

3. CONTROLS DESCRIPTION

4. START UP AND SHUT DOWN PROCEDURE

5. MAINTENANCE SCHEDULE

6. TROUBLE SHOOTING GUIDE

7. TESTING REPORTS

APPENDICES

A. SVE System
   - Carbonair CE404
   - Blower: Rotron EN404AR58ML

B. Off Gas Treatement System
   - GPC-3 Carbon Vessel
   - GPC-3 Vessel with Hydrosil

2. SYSTEM DESCRIPTION

Scope

The soil treatment system described in this section is located at the Hunters Point Shipyard site.

The System Component Summary lists the major items in each system. The System Description describes how the contaminated vapor moves through the system listing each of the major components. For details on each of the items listed, refer to the Component Description immediately following the System Description.

System Component Summary

The following tables list the major items in each system:

Item Description	P&ID Designation	Manufacturer	Model #
Soil Vapor Extraction System		CARBONAIR	CE404
SVE Moisture Separator		Rotron	MS200P
SVE Blower		Rotron	EN404AR58ML
Vapor Treatment System			
Carbon & Hyrdosil		CARBONAIR	GPC-3

System Description

Two systems were provided on trailers with an SVE blower system and off gas treatment. Four of the systems, were skid mounted systems with only off gas treatment.

The trailer systems require 240 VAC, 1 phase power connected to the starter box for the motor. The blowers are used to induce a vacuum on the ground to pull vapors from the ground.

The off gas in either system is treated by two vapor phase carbon vessels and one hydrosil vessel. The carbon removes the VOC contaminants and the hydrosil removes the vinyl chloride.

Soil Vapor Extraction System

The vapor/water mixture is extracted from the ground via the SVE manifold. The vapor/water enters the moisture separator where moisture is removed and the vapor is filtered and discharged. Water collects in the moisture separator. The system should be routinely inspected and drained of water. The frequency will be dependant on the amount of water developed from the ground.

Component Descriptions

Soil Vapor Extraction System (only the trailer systems have the SVE option)

A CARBONAIR model CE404 soil vapor extraction system was supplied for the trailers. The soil vapor extraction system includes the following items

SVE Moisture Separator

The moisture seperator supplied as a part of the CARBONAIR CE656 SVE system has a capacity of 10 gallons.

SVE Blower

A Rotron model EN404AR58ML Regenerative blower was supplied with the SVE system. The blower provides up to 50 scfm and 40 in w.c. vacuum. The blower has a 1 hp, 230V, one phase, EXP motor. The SVE blower provides a vacuum for the Soil Vapor Extraction wells

Vapor Treatment System (included with all systems)

Vapor Phase Carbon

Each system includes (2) Carbonair model GPC3 vapor phase carbon vessels. The vessels have hose connections and are operated in series. Each vessel has a discharge sampling point. Each carbon vessel is filled with 200 lbs of vapor phase carbon.

Hydrosil Vessels

Each system includes (1) Carbonair model GPC3 hydrosil vessel. The vessel has hose connections and is operated in series with the carbon vessels. The vessel has a discharge sampling point. Each hydrosil vessel is filled with 400 lbs of hydrosil.

3. CONTROLS DESCRIPTION

The trailer mounted units were supplied with a starter for the SVE motor. An electrician will need to wire the starter with 240 VAC, 1 phase power. Rotation of the blower must be verified and correct if rotation is backwards. The motor amperage should be checked on each leg during operation to make sure the system is operating within the nameplate amperage of the motor. The system will shut down only if the internal motor temperature switch opens.

4. STARTUP AND SHUTDOWN PROCEDURE

Start up Procedures:
Before starting any system, thoroughly inspect the system for signs of damage. Then, read the start up procedure.

Control Panel 1 phase, 240V
WARNING! – Do not power the panel until this procedure is complete. Damage to the panel may result.
1. Switch the disconnect to the "OFF" position and open the inner door. Verify that the inner door disconnect is in the off position.
2. Switch on the main incoming power to the panel. CAUTION! - The disconnect now has power!
3. Confirm that incoming power is 240 V on all phases. 4. Record the following operating conditions:

L1 to ground _____ V
L2 to ground _____ V
L1 to L2 _____ V

5. Be sure that all circuit protectors are reset.

Regenerative SVE

1. Verify that all influent and effluent connection have been made, and open all inlet, outlet, and bleed valves to ensure that there are no restrictions on the blower. Close all sample taps.
2. Verify that the panel is operational and installed correctly (see panel start up procedures)
3. Bump the blower to verify rotation by holding the SVE blower HOA in the "HAND" position. Rotation arrows are located on the blower to signify proper rotation. It is pertinent to physically verify the proper flow. This can be achieved by testing to see if there is suction on the SVE bleed line. If rotation is backwards, have an electrician exchange two of the power leads. **Be sure to lock out and tag the main incoming power. Verify that there is not power with a multimeter.**
4. Once rotation has been confirmed to be correct, put the SVE blower HOA in the "AUTO" position to start the blower. Let the blower run with no load for a few minutes.
5. Throttle the inlet bleed valve until operating conditions are reached. Depending on the actual well restriction, the operating vacuum may not be reached. The desired flow conditions at the well header can now be adjusted.
6. Record the following applicable operating conditions:

   SVE inlet vacuum _____

   SVE motor amp draw _____

Pressure drop across the knock out filter _____

SVE exhaust temperature _____

SVE exhaust pressure _____

SVE flow rate _____

Shut Down Procedures

CAUTION! – When disabling any motor or piece of equipment be certain that all source of power and fluid have been locked out and tagged.

Regenerative SVE

1. Remove all water from the moisture separator.
2. Run blower for 10 minutes with clean dry air only.

5. MAINTENANCE

This section should be used as a guide for general maintenance items. The recommended maintenance intervals are based upon past experience with the equipment and equipment manufactures' literature. It is important to use discretion when implementing the maintenance schedule. Unforeseen operating condition may require additional maintenance.

Maintenance Schedule

System	Task	Recommended frequency
Moisture Separator	Clean/replace inlet filter and demister	When differential pressure across the filter exceeds 15"H_20.
	Clean sump, site glass, pump down switch	As needed, depending on water quality. Recommend initial inspection after six month.
Filter	Blower filter cleaning or replacement	As needed, depending on air quality conditions
Blower	Grease blower motor bearings with NLGI #2. Grease, if applicable.	Yearly
Vapor Phase Carbon/Hydrosil Units	Replace carbon	As needed, depending on the operating conditions. See carbon modeling to estimate the bed life of the carbon.

6. TROUBLE SHOOTING

System	Problem	Possible cause	Solution
SVE Blower	Blower will not operate		
		Tripped circuit protector	Open the inner door and reset the circuit protector. A tripped circuit protect can be an indication of a problem. Inspect the system thoroughly and check the operating conditions.
		Motor temperature switch is inoperative	Check to see that the motor temperature switch has been wired, or that there is a jumper, if a switch is not present.
	Blower runs at a reduced performance	Faulty Blower	Refer to Appendix or contact CARBONAIR for help in diagnosing faulty blower.
		Incorrect blower rotation	Verify and change rotation
		Inlet filter fouled	Clean or replace inlet filter
		Excessive effluent pressure	Verify operating condition. Ensure that there is not excessive backpressure on the unit, (i.e. reduced pipe sizes, fouled Carbon bed, or fouled CATOX.)

7. TESTING REPORTS

CARBONAIR®
ENVIRONMENTAL SYSTEMS

System Testing & QC Report

Job Name: Innovative Technical Solutions	**Carbonair Job # 15072**
Project Manager: Mike Keilen	Control Specialist:
Regional Sales Manager: Chris Morgan	Engineer Specialist:
Carbonair Field Service Rep.:	
Site Supervisor / Customer Rep.:	

(General) System Components

Component Description (Mfg, hp, voltage, Ø, etc.)	Motor nameplate amps√	Tested amp draw @ volts	Rotation √	CFM/PSI/Flow √	Mfg √	Field √
Trailer #1 SVE Rotron EN404, 230 VAC, 1 phase, EXP	FLA=6 Max=7.2	40"wc=6.5A =50cfm	*x*	*Relief @ 43"wc*	X	
Trailer #2 SVE Rotron EN404, 230 VAC, 1 phase EXP	FLA=6 Max = 7.2	40"wc=6.6A= 55 cfm	*X*	*Relief @ 46"wc*	X	

Control & Monitoring Instrumentation (Flow meters, Gauges, LEL's, Etc)

Description	Mfg. √	Field √	Description	Mfg √	Field √

Mechanical Inspection

Description	Mfg. √	Field √	Description	Mfg. √	Field √

Attachment 3
Appendix A

GENERAL INSTALLATION INSTRUCTIONS

AMETEK

ROTRON INDUSTRIAL PRODUCTS
75 North Street, Saugerties, NY 12477 U.S.A.
Telephone: 845 -246-3401 Fax: 845-246-3802
e-mail: rotronindustrial@ametek.com website: www.rotronindustrial.com

Rotron Regenerative Blowers

Installation Instructions for SL, DR, EN, CP, and HiE Series Blowers

1. **Bolt It Down** - Any blower must be secured against movement prior to starting or testing to prevent injury or damage. The blower does not vibrate much more than a standard electric motor.

2. **Filtration** - All blowers should be filtered prior to starting. Care must be taken so that no foreign material enters the blower. If foreign material does enter the blower, it could cause internal damage or may exit at extremely high velocity.

   Should excessive amounts of material pass through the blower, it is suggested that the cover(s) and impeller(s) be removed periodically and cleaned to avoid impeller imbalance. Impeller imbalance greatly speeds bearing wear, thus reducing blower life. Disassembling the blower will void warranty, so contact the factory for cleaning authorization.

3. **Support the Piping** - The blower flanges and nozzles are designed as connection points only and are not designed to be support members.

   Caution: Plastic piping should not be used on blowers larger than 1 HP that are operating near their maximum pressure or suction point. Blower housing and nearby piping temperatures can exceed 200°F. Access by personnel to the blower or nearby piping should be limited, guarded, or marked, to prevent danger of burns.

4. **Wiring** - Blowers must be wired and protected/fused in accordance with local and national electrical codes. All blowers must be grounded to prevent electrical shock. Slo-Blo or time delay fuses should be used to bypass the first second of start-up amperage.

5. **Pressure/Suction Maximums** - The maximum pressure and/or suction listed on the model label should not be exceeded. This can be monitored by means of a pressure or suction gage (available from Rotron), installed in the piping at the blower outlet or inlet. Also, if problems do arise, the Rotron Field representative will need to know the operating pressure/suction to properly diagnose the problem.

6. **Excess Air** - Bleed excess air off. DO NOT throttle to reduce flow. When bleeding off excess air, the blower draws less power and runs cooler.

   Note: Remote Drive (Motorless) Blowers - Properly designed and installed guards should be used on all belts, pulleys, couplings, etc. Observe maximum remote drive speed allowable. Due to the range of uses, drive guards are the responsibility of the customer or user. Belts should be tensioned using belt gauge.

For further information regarding Rotron regenerative blowers (including service & parts manuals), please contact your local field sales engineer.

Revised 12/10/98

Maintenance Procedure

When properly piped, filtered, and applied, little or no routine maintenance is required. Keep the filter clean. Also, all standard models in the DR, EN, CP, and HiE series have sealed bearings that require no maintenance. Bearing should be changed after 15,000 to 20,000 hours, on average. Replacement bearing information is specified on the chart below.

Bearing Part Number	Size	Seal Material	Grease	Heat Stabilized
510217 510218 510219	205 206 207	Polyacrylic	Nye Rheotemp 500 30% +/- 5% Fill	Yes – 325 F
510449 516440 516648	203 202 307	Buna N	Shell Dolium "R" 25-40% Fill	NO
516840 516841 516842 516843 516844 516845 516846 516847	206 207 208 210 309 310 311 313	Buna N	Shell Dolium "R" 30%+/- 5% Fill	NO

Troubleshooting

		POSSIBLE CAUSE	OUT OF WARRANTY REMEDY ***
IMPELLER DOE NOT TURN	Humming Sound	1. * One phase of power line not connected 2. * One phase of stator winding open 3. Bearings defective 4. Impeller jammed by foreign material 5. Impeller jammed against housing or cover 6. ** Capacitor open	1. Connect 2. Rewind or buy new motor 3. Change bearings 4. Clean and add filter 5. Adjust 6. Change capacitor
	No Sound	1. * Two phases of power line not connected 2. * Two phases of stator winding open	1. Connect 2. Rewind or buy new motor
IMPELLER TURNS	Blown Fuse	1. Insufficient fuse capacity 2. Short circuit	1. Use time delay fuse of proper rating 2. Repair
	Motor Overheated Or Protector Trips	1. High or low voltage 2. * Operating in single phase condition 3. Bearings defective 4. Impeller rubbing against housing or cover 5. Impeller or air passage clogged by foreign material 6. Unit operating beyond performance range 7. Capacitor shorted 8. * One phase of stator winding short circuited	1. Check input voltage 2. Check connections 3. Check bearings 4. Adjust 5. Clean and add filter 6. Reduce system pressure/vacuum 7. Change capacitor 8. Rewind or buy new motor
	Abnormal Sound	1. Impeller rubbing against housing or cover 2. Impeller or air passages clogged by foreign material 3. Bearings defective	1. Adjust 2. Clean and add filter 3. Change bearings
	Performance Below Standard	1. Leak in piping 2. Piping and air passages clogged 3. Impeller rotation reversed 4. Leak in blower 5. Low voltage	1. Tighten 2. Clean 3. Check wiring 4. Tighten cover, flange 5. Check input voltage

* 3 phase units
** 1 phase units
*** Disassembly and repair of new blowers or motors will void the Rotron warranty. Factory should be contacted prior to any attempt to field repair an in-warranty unit.

Revised 12/10/98

Operation & Maintenance Manual

Carbonair Model CE-404/1

Skid Mounted SVE System

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1.0 SAFETY PRECAUTIONS

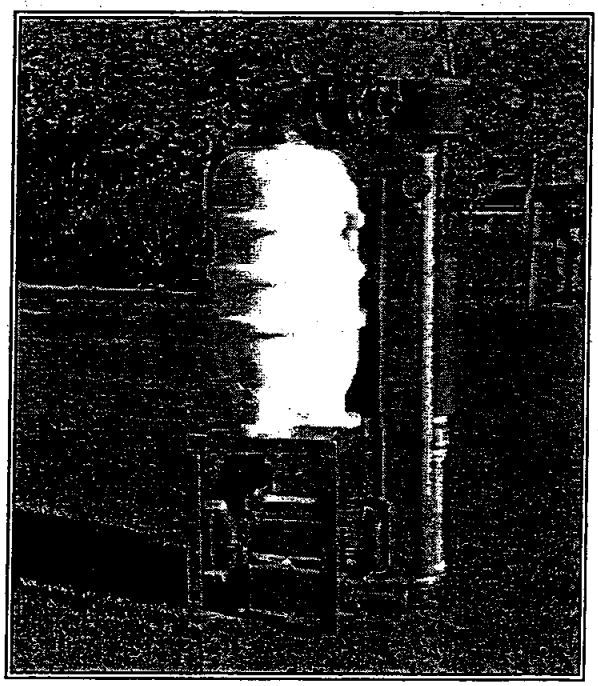
Failure to observe these precautions could result in serious bodily injury and/or property damage.

- Be sure you thoroughly read & understand this O & M Manual before beginning operation. If you have any questions, please call Carbonair Environmental Systems, Inc. at (800) 526-4999.
- Be sure all electrical disconnects are "OFF" and locked out before servicing.
- Take time to record your specific operating parameters on page 8.

2.0 EQUIPMENT DESCRIPTION

Carbonair's Model CE-404/1 skid mounted soil vapor extraction (SVE) system is an integrated equipment and control package designed for high performance, portability and ease of use. Carbonair's unique stacked design saves space without sacrificing performance.

Figure No.1
Typical Skid Mounted SVE System



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optional wheel assembly and two wheel cart are also available to make it easier to move the unit as required.

The following table outlines the specifications of the typical CE-404/1 skid mounted SVE system.

Table No.1
CE-404/1 System Specifications

#	Design Parameter	Specification
1	Maximum Flow	107 cfm
2	Minimum Flow	0 cfm
3	Maximum Vacuum	- 52" W.C.
4	Motor Enclosure	Explosion Proof
5	Blower Motor	1.0 hp
6	Voltage	115/230
7	Maximum Blower Amps	14.5/7.2
8	Phase	Single
9	Discharge Pipe Size	1½"
10	Shipping Weight	192 lbs
11	System Dimensions	56" H x 28" L x 23" W

The CE-404/1 skid mounted SVE system has the following standard features:

- ✔ appropriately sized explosion proof Rotron regenerative blower,
- ✔ coated carbon steel frame,
- ✔ vacuum gauges,
- ✔ replaceable air filter element,
- ✔ air filter housing,
- ✔ pre-filter vacuum relief valve,
- ✔ appropriately sized moisture separator,
- ✔ oversized piping,
- ✔ fluid & sludge drain.

Optional features include:

- ✔ NEMA 7 enclosed manual starter w/thermal overload,
- ✔ NEMA 3R or NEMA 4 enclosed manual starter switch,
- ✔ custom control panel with appropriate NEMA enclosure,
- ✔ UL-listed control panel,
- ✔ blower muffler,
- ✔ additional vacuum gauges,
- ✔ high level switch,
- ✔ temperature gauges,
- ✔ post-filter vacuum relief valve,
- ✔ discharge pump for moisture separator with explosion proof level controls,
- ✔ trailer mounted or custom enclosure,
- ✔ calibrated flow monitoring assemblies,

3.0 PROCESS DESCRIPTION

Carbonair's CE-404/1 skid mounted SVE system is designed to provide an efficient and economical means in which to extract vapors from contaminated soils.

Contaminated vapors are drawn into the side of the moisture separator tank where excessive moisture is removed from the air flow stream. Controlled amounts of dilution or make-up air can be introduced into the influent air flow stream through a control/isolation valve to optimize blower performance and minimize excessive blower discharge temperatures. The moisture separator is equipped with a drain valve at the bottom of the tank to remove condensate as required.

After the moisture has been separated from the air flow stream, particulates are removed by an in-line air filter. Filtering the air to remove particulates is an essential part of the process because it helps to protect the blower from excessive wear and prevent vibration resulting from solids buildup on the impeller.

From the filter, the air is drawn into the blower and is then discharged directly into the

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atmosphere or may be directed to an off-gas treatment system like vapor phase carbon for further treatment. An optional silencer can be used in the discharge stack to reduce operating noise levels if necessary.

4.0 INSTALLATION

Be sure to carefully read all installation instructions before beginning the installation of the CE-404/1 skid mounted SVE system .

4.1 Inspection

Upon receipt of the CE-404/1 skid mounted SVE unit, and before the unit is removed from the truck, be sure to perform a complete inspection for damage.

DO NOT operate the unit if it has been damaged since this could result in personal injury and/or damage to other equipment. If the CE-404/1 skid mounted SVE system sustains damage during transit, notify the carrier and call Carbonair immediately at (800) 526-4999.

4.2 Loading & Unloading

When handling the CE-404/1 skid mounted SVE system, be careful not to damage any of the system components, fittings, and inlet/outlet ports.

The CE-404/1 unit weighs approximately 192 pounds, is relatively compact and is mounted on a skid which makes it easy to load and unload using a forklift. Since the most of the weight is contributed by the blower which is located at the bottom of the unit, it is very stable and difficult to tip over. However, the unit should be strapped in place during transport as an added safety precaution.

Be sure to use the proper equipment and follow proper safety procedures when loading & unloading the CE-404/1 unit.

4.3 Connections

After the CE-404/1 skid mounted SVE system has been properly inspected and positioned on site, process connections can be made.

The SVE unit is shipped with all nozzles and ports covered. This is done as a safety precaution and also to prevent equipment damage. The covers must be removed prior to making the necessary piping connections.

Once the system is in place and the connections are ready, make the necessary connections as outlined below. If there are any special connection requirements, assistance is available by calling Carbonair at (800) 526-4999.

1. Attach the exhaust stack extension piping as required.

   ▣ **Note:** ***Be sure to install the discharge piping so as to prevent water from entering the blower.***

2. Connect the inlet air piping to the moisture separator influent coupling.

   ▣ **Note:** ***A standard 2-inch "FERNCO" fitting (model #: 1056-22) is recommended for this connection. If the fitting has not been provided, it can be ordered directly***

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from Fernco @ 1-800-521-1283 or obtained from a local plumbing supplier.

3. Connect the drain pipe or hose to the drain fitting at the bottom of the moisture separator.

4. Install sample ports on the inlet and outlet piping to monitor system performance. Since turbulence and other unique operating conditions may adversely affect the accuracy of sampling results, it is recommended that an emissions expert be consulted to specify the best locations for air sampling and air flow measurements.

5. Make the necessary electrical connections as specified in the Rotron blower O&M manual.

5.0 START-UP

After all the necessary connections are made, proceed with the following start-up procedures:

1. Verify that the drain valve is closed at the bottom of the moisture separator.

2. Verify that the in-line filter is in place and the filter housing cover is closed.

3. Open the dilution air valve on the inlet pipe.

4. Open the process air inlet valve to the SVE skid.

5. Start the SVE blower.

6. Record the vacuum gauge readings at each location.

7. Measure the blower motor current draw and the flow rate through the unit.

8. Adjust the dilution valve position until the current draw and the air flow rate falls within the recommended blower operating range.

9. To achieve optimum performance of the SVE unit during initial start-up, check:

   ✔ motor current draw
   ✔ air flow rate
   ✔ filter pressure differential
   ✔ air leaks
   ✔ inlet & outlet air temperatures

   Refer to the Specific Operating Parameters Section on page no. 8 for project specific information.

6.0 OPERATION

After initial start-up & successful checkout of the SVE unit, long term continuous operation can be initiated.

The CE-404/1 skid mounted SVE system is designed for an operating air flow range of 0 to 107 cfm. Performance of the CE-404/1 unit should be checked periodically by measuring the pressure drop across the filter, blower motor current draw, air flows, temperatures and vacuum levels. Measurement & sampling frequencies will be dictated by process air flows, inlet air characteristics and unique operating conditions.

Be sure to check the Rotron blower O&M manual for normal operating ranges and operating instructions.

7.0 TROUBLE SHOOTING

There are a few situations which may arise

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while operating the CE-404/1 skid mounted SVE system which can adversely effect the performance of the unit and/or result in abnormally high maintenance costs. Most of these situations can be resolved by following the directions which are outlined in the Rotron blower O&M manual.

If any situations cannot be corrected using Rotron O&M manual, contact Carbonair at (800) 526-4999 for additional help.

8.0 MAINTENANCE

There are several maintenance tasks which must be performed periodically to ensure continued, trouble free operation. These tasks are discussed in subsequent sections.

8.1 Filter Replacement

Periodically, the in-line air filter will have to be replaced. As the filter becomes plugged, the air flow through the filter is restricted and the differential pressure increases. Eventually, the blower will begin to overheat resulting in equipment damage.

Carbonair recommends that the filter be replaced before the air flow and SVE blower current draw fall outside of the recommended operating ranges. Refer to the Rotron O&M manual for normal blower operating levels and recommendations for optimizing blower performance.

8.2 Condensate Drainage

Drainage of condensate from the bottom of the moisture separator may be required periodically depending on the inlet gas stream moisture content. This is done by opening the condensate drain valve at the bottom of the tank. The blower must be shut down before the drain valve is opened and then restarted when the valve is closed.

8.3 Waste Disposal

Proper disposal of the contaminated condensate is essential. Be sure to follow all local, state and federal regulations for handling, storing, transporting, disposal of the condensate.

9.0 SPARE PARTS

When ordering spare parts, refer to the drawings at the end of this manual. Be sure to provide the SVE system model number and the complete description of the part.

10.0 DESIGN CRITERIA SUMMARY

Table No. 1 on page 2 outlines the design specifications for the standard CE-404/1 skid mounted SVE system. However, for project specific design parameters, refer to the specific operating section on page 8.

11.0 DRAWINGS

An assembly drawing has been included on page 6 to simplify the part identification and ordering process. A parts list is included along with the corresponding order number.

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Figure No. 4
CE-404/1 skid mounted SVE system Assembly Drawing No. 1

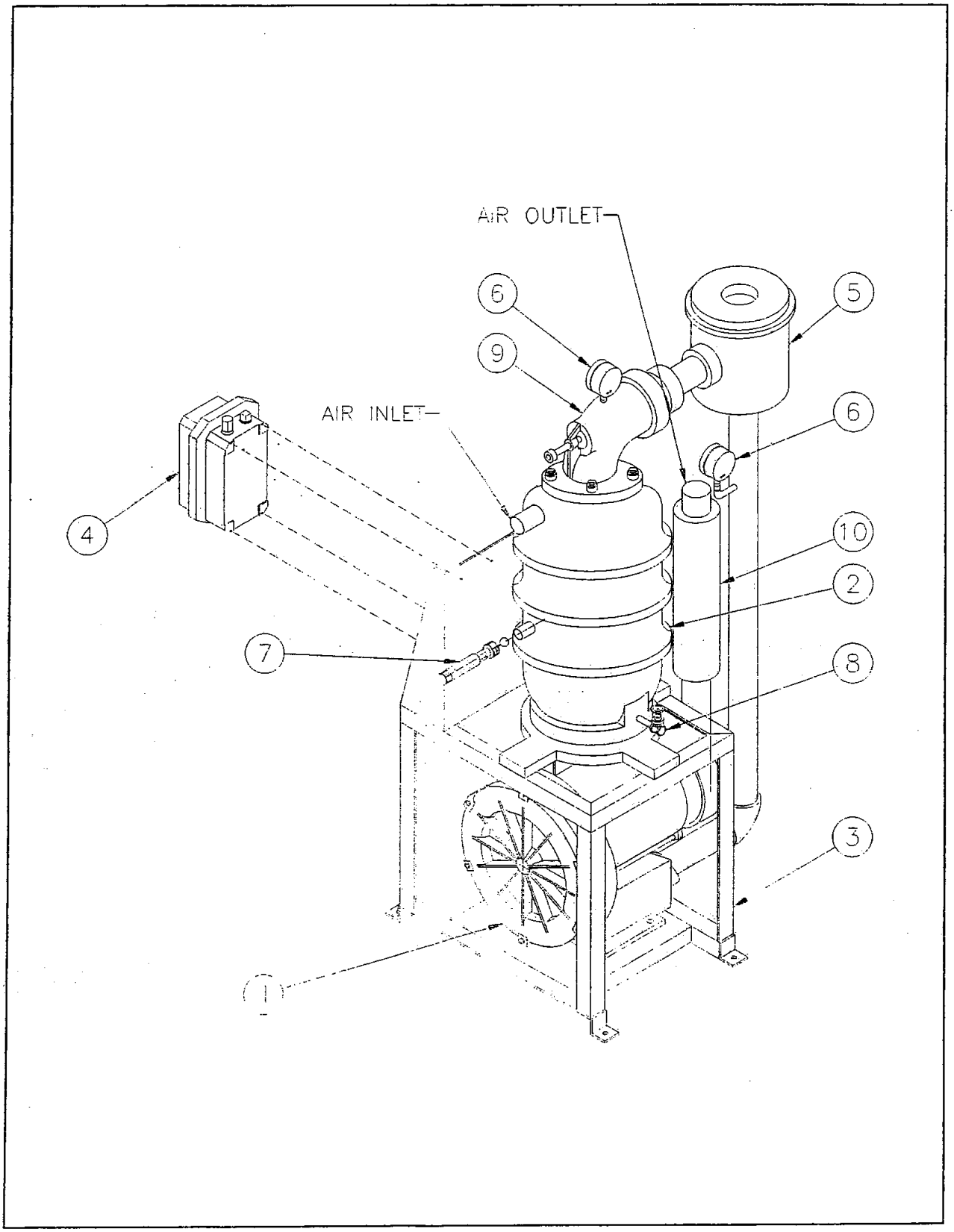

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Table No. 3

CE-404/1 skid mounted SVE system Assembly Drawing Parts List & Order Numbers

#	PART DESCRIPTION	PART NO.
1	Rotron Blower EN404AR58ML	BL 124965
2	Rotron Cyclonic Filter	FI 130804
3	Skid SVE	SK 133956
4	Rotron Electric Motor Starter 1-Phase 230 Volt	ST 130878
5	Rotron In-Line Filter	FI 130861
6	Vacuum Gauge 1/4 0-60	GA 136386
7	Level Switch	SW 134436
8	Drain	---
9	Vacuum Relief Valve	---
10	Silencer	MU 119224

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13.0 SPECIFIC OPERATING PARAMETERS

Job _____

Carbonair's Serial Number _____

Inlet Air Flow Rate _____

Inlet Temperature (°F) _____

Outlet Temperature (°F) _____

Inlet Relative Humidity (%) _____

Differential Pressure Range ("W.C.) _____

Pre-Filter Vacuum (" W.C.) _____

Post-Filter Vacuum ("W.C.) _____

Blower Motor Phase Single ☐ Three Phase ☐

Current Draw Range (amps) _____

Blower Current Draw (amps) _____

Contaminant Description _____

Contaminant Concentration _____

Contaminant Mass Flow _____

OPTIONAL FEATURES INCLUDED:

NEMA 7 Enclosure	☐	High Level Switch	☐
NEMA 3R Enclosure	☐	Post-Filter Vacuum Relief Valve	☐
NEMA 4 Enclosure	☐	Discharge Pump w/ Controls	☐
Custom Control Panel	☐	Trailer Mounted	☐
UL-Listed Control Panel	☐	Custom Enclosure	☐
Blower Muffler	☐	Flow Monitoring Assemblies	☐
Additional Vacuum Gauges	☐		

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TRANSPORTATION AND DISPOSAL PLAN
Quarterly Groundwater Sampling at Parcel B
Hunters Point Shipyard, San Francisco, California

Contract Number N68711-02-D-8213
Delivery Order Number CT0003

Prepared for:

Department of the Navy
Southwest Division, NAVFACENGCOM
BRAC/06B2
1220 Pacific Highway
San Diego, California 92132-5190

Prepared by:

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598

February 2003

ITSI Innovative Technical Solutions, Inc.

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5.0 References 7

ATTACHMENTS

Attachment 1 City and County of San Francisco Public Utilities Commission Requirements for Batch Wastewater Discharges

ACRONYMS AND ABBREVIATIONS

CDAP	Chemical Data Acquisition Plan
DOT	Department of Transportation
FSP	Field Sampling Plan
HPS	Hunters Point Naval Shipyard
HSP	Health and Safety Plan
IDW	investigation derived waste
ITSI	Innovative Technical Solutions, Inc.
LUFT	Leaking Underground Fuel Tank
MTBE	methyl tert-butyl ether
NAWQC	National Ambient Quality Criteria
PCB	polychlorinated biphenyls
POC	Point-of --Compliance
POTW	Public Owned Treatment Waste (facility)
PPE	personal protective equipment
QAPP	Quality Assurance Project Plan
RA	Remedial Action
RAMP	Remedial Action Monitoring Program
RWQCB	Regional Quality Control Board
TEPH	total extractable petroleum hydrocarbons
TCE	trichloroethylene
TIZ	tidally influenced zone
T&D	transportation and disposal
TTEMI	Tetra Tech EM Incorporated
VOC	volatile organic compound

1.0 INTRODUCTION

This plan for the transportation and disposal (T&D) has been prepared to support the Parcel B Quarterly Groundwater Sampling activities at Hunters Point Naval Shipyard (HPS) in San Francisco, California. The plan was prepared on behalf of the Naval Facilities Engineering Command, by Innovative Technical Solutions, Inc. (ITSI), under Contract Number N68711-02-D-8213, Delivery Order Number CT003. This plan was prepared in compliance with following guidance documents for Parcel B: Remedial Action Monitoring Plan (RAMP) (Tetra Tech EM Inc [TTEMI], 1999), the Quality Assurance Project Plan (QAPP) (TTEMI, 2000a), and the Field Sampling Plan (FSP) (TTEMI, 2000b). A copy of the referenced plans will be maintained in the ITSI Field Trailer for use by the field sampling crew.

The objective of this plan is to describe the procedure of handling and disposing of investigation derived waste (IDW) in a manner that will meet regulatory requirements while limiting the on-site handling and storage of materials. The IDW include purged groundwater and waste materials generated during performance of groundwater sampling activities. For organizational purposes, the discussion of this transportation and disposal plan has been divided into solids and liquids.

Solids – The following materials are defined as solid IDW:

- personal protective equipment (PPE), miscellaneous sampling disposable devices (disposable bailers, teflon tubings)

Liquids – The following materials are defined as liquid IDW:

- decontamination fluids
- monitoring well purged groundwater

2.0 BACKGROUND

The groundwater at Parcel B is monitored to assure that the National Ambient Water Quality Criteria (NAWQC)[1] or the State Water Quality Objectives [2] and the ambient concentrations of metals, whichever are higher, are not exceeded at the high tide line of the Parcel B tidally influenced zone (TIZ). These concentrations are considered the "trigger-levels" for the TIZ which is considered Parcel B's Point of Compliance (POC). Twenty-six groundwater monitoring wells are currently monitored under the Remedial Action Monitoring Plan (RAMP) program for Parcel B. In addition to monitoring the RAMP wells, an additional 27 monitoring wells located within Parcel B are monitored for groundwater level measurements only. Three of the 26 RAMP program wells are for supplemental characterization. The remaining 23 wells are grouped into the following six categories:

- POC monitoring wells are located about 300 feet along the inland edge of the TIZ to monitor groundwater contamination at the POC and determine whether "trigger-level" concentrations are exceeded at the TIZ.

- Sentinel monitoring wells are located about every 300 feet along the inland (upgradient) edge of the approximate 5-year buffer zone and are monitored to predict the level of groundwater contamination in the POC in 5 years.

- Post-Remedial Action monitoring wells are located at several locations within the TIZ to evaluate the effectiveness of source control in the vicinity of IR-07.

- Volatile organic compound (VOC) monitoring wells are located in the vicinity of Remediation Area (RA) 10-1 to monitoring degradation of trichloroethylene (TCE).

---

[1] Established by the Central Valley Regional Water Quality Control Board's 1995 Compilation of Water Quality Goals.

[2] Established in the 1995 Water Quality Control Plan for the San Francisco Bay Region (the Basin Plan).

- On and Off-Site Migration monitoring wells are located along the western property boundary to evaluate migration of contaminants in the A-aquifer and to establish a baseline.

- Utility Line monitoring well is located at the lowest A-aquifer groundwater level elevation to monitor the impact of potential leaking underground utility lines (which are presumed to serve as groundwater sinks)

The RAMP wells are sampled quarterly, except for some Sentinel wells that are only sampled semiannually. Those Sentinel wells with dual purposes (i.e. Sentinel and VOC) are sampled quarterly. The Chemical Data Acquisition Plan (CDAP) in Appendix A and the Health and Safety Plan (HSP) in Appendix B provide the procedures for conducting the sampling activities.

3.0 REQUIREMENTS FOR MANAGEMENT OF INVESTIGATION DERIVED WASTE

Investigation-derived waste will consist of solid and liquid waste. Solid waste consisting of personal protective equipment (PPE) and miscellaneous waste (i.e. paper towels) from sampling activities will be placed in garbage bags, sealed, and disposed of in on-site trash receptacles. Liquid waste consisting of well purge water and decontamination liquids will be placed in 55-gallon drums approved by the U.S. Department of Transportation (DOT) and transferred into the on-site 5,000-gallon double-walled poly tank.

All liquid waste will be temporarily stored in an on-site selected staging area and labeled as non-hazardous waste for waste characterization, profiling and final offsite disposal. Liquid waste from any well that has a history of high levels of contamination will be segregated, characterized and profiled separately. Liquid waste may be discharged to a Publicly Owned Treatment Waste (POTW) facility under a "batch discharge" permit if the liquid waste is suitable for discharge to the sanitary sewer. If the segregated liquid waste that has history of high levels of contamination is classified as hazardous, the Navy will provide the appropriate EPA identification number, sign required documentation, and perform other related functions required of a hazardous waste generator. [Note that for this monitoring event, none of the wells have had historically high levels of contamination and if thus anticipated that all liquid generated during the quarterly sampling will be acceptable for "batch discharge".] Regardless of its classification, every effort will be made to characterize, profile, and remove IDW from the site within 90 days of completion of the sampling event during which it is generated.

- Liquid waste generally will be stored before final disposition by one of the following processes:
- Non-hazardous liquids will be profiled and disposed at an offsite permitted industrial wastewater treatment plant.
- Hazardous liquids, if identified, will be disposed at an offsite permitted treatment/disposal facility.

4.0 METHODOLOGIES FOR MANAGEMENT OF INVESTIGATION DERIVED WASTE

This section presents the methodologies for management and disposal of IDW. The following standard practices will be followed:

- Solid IDW will be placed in garbage bags, sealed, and disposed of in on-site trash receptacles.
- All liquid IDW generated during purging will be placed into DOT approved 55-gallon drums and then transferred into the on-site 5,000-gallon double-walled poly tank.
- Liquid IDW generated from any well that has a history of containing high levels of contaminants will be segregated from other wells.
- DOT approved drums containing liquid waste will be temporarily labeled as non-hazardous waste and stored on-site pending waste characterization, profiling and final off-site disposal.
- The generation, management, characterization, and disposal of IDW will be documented.

4.1 SOLID INVESTIGATION DERIVED WASTE GENERATION AND HANDLING

Solid IDW will primarily be generated from the accumulation of used and discarded PPE during sampling activities. Field activities will generate used PPE, which may include Tyvek™ over-garments, latex gloves, disposable bailers, filters, tape, plastic sheeting, and plastic packaging. These materials will be collected in a plastic bag at each field activity location. The filled bags will be stored in a designated general refuse container or receptacle at the site.

4.2 LIQUID INVESTIGATION DERIVED WASTE GENERATION AND HANDLING

Liquid IDW will primarily be consisted of purge water from wells during sampling activities. Water from these sources will be place into DOT-rated steel drums and transferred into the on-site 5,000-gallon double-walled poly tank. At the end of the project, the liquid IDW will be

5.0 REFERENCES

Tetra Tech EM, Inc. (TTEMI), 2003. *Eleventh Quarterly Groundwater Sampling Report (July to September 2002), Parcel B, Hunters Point Shipyard*, San Francisco, California, January 7.

TTEMI, 2000a. *Draft Quality Assurance Project Plan for Parcel B Remedial Action Monitoring Plan,* Hunters Point Shipyard, San Francisco, California, April 24.

TTEMI, 2000b. *Draft Field Sampling Plan for Parcel B Remedial Action Monitoring Plan,* Hunters Point Shipyard, San Francisco, California, April 10.

TTEMI, 1999. *Final Parcel B Remedial Design Document V Remedial Action Monitoring Plan, Remedial Action*, Hunters Point Shipyard, San Francisco, California, July 2.

ATTACHMENT 1

City and County of San Francisco Public Utilities Commission Requirements for Batch Wastewater Discharges

PUBLIC UTILITIES COMMISSION
CITY AND COUNTY OF SAN FRANCISCO

WILLIE L. BROWN, JR.
MAYOR

ANSON B. MORAN
GENERAL MANAGER

May 23, 1997

REQUIREMENTS FOR BATCH WASTEWATER DISCHARGES

1.0 Introduction

The following requirements for batch wastewater discharges have been established pursuant to the provisions of Chapter X (Public Works Code) of Part II of the San Francisco Municipal Code, Article 4.1 (hereinafter referred to as "Article 4.1"). This document specifies the pollutant limitations that apply, and the information that must be included in applications for permits to carry out batch discharges of wastewater into the City and County of San Francisco's (City's) sewerage system.

Such batch discharges may result from de-watering of construction sites, wells drilled to investigate/mitigate a suspected contaminated site, water used for cleaning/hydrostatic testing of pipes or tanks, or any other activity which generates wastewater, other than from routine commercial/industrial processes.

All permit applicants shall demonstrate compliance with the pollutant limits in Appendices 1.0 and 1.1. Certain other applicants shall also demonstrate compliance with the pollutant limits in Appendices 2.0 and 2.1. All applicants shall be subject to payment of sewer service charges in accordance with the provisions of applicable City laws.

2.0 The Application

Completed permit application forms ("Batch Wastewater Permit Application" — available from this office) for batch wastewater discharges shall be submitted no later than 45 days prior to the proposed commencement of the discharge and must include the following information:

1. The source (i.e. the activity and location at which the wastewater is generated);
2. The total estimated volume of the proposed discharge;
3. The proposed discharge location and the sewer opening, such as the side sewer(s), catch basin(s), storm drain(s) or manhole(s), proposed for disposal;
4. A description of any proposed wastewater treatment before discharge;
5. A site plan showing the source of the wastewater, the sampling location(s) or monitoring well(s), and the proposed discharge location;
6. A copy of applicable analytical results (with chain-of-custody documentation) from a representative sample (i.e. a sample portion of the wastewater that is as nearly identical in content and consistency as possible to that in the larger body

of wastewater being sampled) of the proposed discharge; and

7. A certification of the truth and accuracy of the information submitted, and a signature by an authorized representative of the discharger.

Permit applications should be addressed as follows:

Mr. Tommy Lee
Division Engineer
City and County of San Francisco
PUC-BERM
3801 - 3rd Street, Suite 600
San Francisco, CA 94124

If you have any questions or wish further explanation, you may call BERM at (415) 695-7310.

3.0 Sampling of Wastewater

Sampling of the wastewater is the first key element that must be performed properly to assure that the subsequent analyses yield valid data. Essential components of a successful field sampling program include good housekeeping, collection of representative samples, proper handling and preservation of samples, and appropriate chain-of-custody procedures. Consequently sampling to meet the requirements of a permit application must be performed by trained personnel or a State-certified laboratory.

Because the proposed discharge will be from a non-flowing body of water, all sampling will be performed by grab sampling. A grab sample is defined as an individual discrete sample collected over a period of time not exceeding 15 minutes. In many situations stratification results in a heterogeneous body of wastewater. Therefore special care (sometimes including some type of random sampling) should be taken to accurately characterize the wastewater. The diversity of wastewater storage facilities (tanks, pits, underground etc.) preclude a detailed consideration here of any specific sampling plans. However the applicant is referred to the following publication for a comprehensive discussion of wastewater sampling:

Handbook for Sampling and Sample Preservation of Water and Wastewater. (EPA-600/4-82-029). U.S. Environmental Protection Agency, September 1982. (NTIS Order No. PB83-124503, or accessible at EPA Region IX, 75 Hawthorne St., San Francisco, CA 94105)

4.0 Chain-of-Custody Documentation

An essential part of any sampling/analytical scheme is ensuring the integrity of the sample from collection to data reporting. The possession and handling of samples should be traceable from the time of collection through analysis and final disposition. This documentation of the

history of the sample is referred to as chain of custody. A copy of the chain-of custody documentation must accompany the submission of applicable analytical results. A chain-of-custody record should contain, minimally, the following information:

1. Sample number;
2. Signature of collector;
3. Date and time of collection;
4. Place and address of collection;
5. Sampling location;
6. Signature of persons involved in the chain of possession; and
7. Inclusive dates of possession.

5.0 State-certified Laboratories

All sampling and analysis shall be performed in accordance with techniques and procedures approved by the U.S. Environmental Protection Agency (EPA) and/or the State of California. These procedures must be performed by a laboratory approved to do so by the Environmental Laboratory Accreditation Program (ELAP), State of California, Department of Health Services, Berkeley, California. The data provided by the laboratory must be supported by the QA/QC required in the analytical method, and must accompany the analytical report. Method detection limits must be sufficiently sensitive to demonstrate compliance with the applicable regulatory limits.

The State of California ELAP can be reached at (510) 540-2800.

6.0 Analytical Results

Analytical results for the pollutants/pollutant properties listed in Appendices 1.0 and 1.1 below are required for ALL proposed wastewater discharges, and must satisfy the indicated local regulatory limits.

In addition to the analyses listed in Appendices 1.0 and 1.1, wastewater that may have been exposed to hazardous waste contamination (characterized by ignitability, corrosivity, reactivity or toxicity) because of location and/or site history (e.g. service stations, garages, automotive repair/wrecking areas, fuel oil storage areas, waste disposal sites, reclaimed areas etc.) must also satisfy the State regulatory limits, as listed in Appendices 2.0 and 2.1 below.

For each "Pollutant/Pollutant Parameter" or "Contaminant" or "Substance" listed in the appendices, the most stringent "Regulatory Limit" or "Regulatory Level" must be satisfied.

Appendix 3 depicts a schematic of the analyses required, depending upon the source and

exposure of the wastewater. (See Appendix 3 "Required Analyses for Batch Wastewater Discharges".)

For those situations where wastewater discharges are anticipated to continue over a period of several weeks or longer, the submission of additional analyses at specified intervals may be included as a condition of the permit to discharge.

7.0 Wastewater Treatment/Off-site Disposal

Appropriate wastewater treatment or off-site disposal will be required in those situations where the initial sampling and analysis reveal noncompliance with the applicable regulatory limits. If treatment is selected, a permit application must be re-submitted with a copy of applicable analytical results from a representative sample of the treated wastewater. If off-site disposal is selected, a copy of the manifest from the shipment must be submitted to this office.

8.0 Construction De-watering

For stormwater which has collected in excavations associated with construction activities, and which has not been exposed to hazardous waste contamination, analyses must be submitted for all the analytes included in Appendices 1.0 and 1.1 only.

9.0 Petroleum Contamination

For wastewater which may have been exposed to petroleum contamination only, analyses must be submitted for the following:

1. All the analytes included in Appendices 1.0 and 1.1;
2. Flashpoint (EPA 1010/1020A);
3. Halogenated volatile organics (EPA 8010B); and
4. Aromatic volatile organics (EPA 8020A).

10.0 Hazardous Waste Contamination

For wastewater which may have been exposed to hazardous waste contamination in addition to, or other than petroleum contamination, analyses must be submitted for the following:

1. All the analytes included in Appendices 1.0 and 1.1;
2. Flashpoint (EPA 1010/1020A);
3. Volatile organic compounds as EPA priority pollutants by GC/MS (EPA 8240B/8260A); and
4. Semi-volatile organic compounds as EPA priority pollutants by GC/MS (EPA 8250A/8270B).

11.0 Groundwater From Specific Reclaimed Area

Chapter X (Public Works Code) of Part II of the San Francisco Municipal Code, Article 20 (hereinafter referred to as "Article 20") specifies requirements for analyzing the soil where hazardous wastes may be present in the soil. Section 1001(a)2.(A) of Article 20 defines a specific reclaimed area of the City, located "Bayward of the high-tide line as indicated on the Historic San Francisco Maps, prepared by the State of California, State Lands Commission, State Lands Division and filed with the Recorder of the City and County of San Francisco pursuant to Chapter 1333 of the 1968 Statutes, as amended by the California Legislature, for reference in conjunction with the map and description of lands, situated in the City and County of San Francisco, that were transferred to the City and County of San Francisco under Chapter 1333." Copies of maps that reflect the high-tide line referred to above are available from this office.

Because groundwater from the specified reclaimed area may have been exposed to hazardous waste contamination, analyses must be submitted for the following:

1. All the analytes included in Appendices 1.0 and 1.1;
2. Flashpoint (EPA 1010/1020A);
3. Volatile organic compounds as EPA priority pollutants by GC/MS (EPA 8240B/8260A); and
4. Semi-volatile organic compounds as EPA priority pollutants by GC/MS (EPA 8250A/8270B).

12.0 The Permit

Upon the receipt of completed permit applications and the determination that the proposed discharge satisfies the applicable pollutant limitations, a permit for discharge will be issued in writing within 3 working days of receipt of the application. One condition of discharge is that the permittee must give prior notification to this office of the date(s) and time(s) of discharge(s). Certain other conditions of discharge (such as requiring the installation of flow measuring devices) may also be included in the permit.

13.0 Sewer Service Charges

Chapter X (Public Works Code) of Part II of the San Francisco Municipal Code, Article 4.2 (hereinafter referred to as "Article 4.2") establishes procedures for setting sewer service charges. Such charges are based on the cost of collecting, pumping, transporting, treating and disposing of each unit of parameter discharged into the sewerage system by users of the system. The parameters which have been adopted to determine sewer service charges are wastewater volume, suspended solids, grease/oil and chemical oxygen demand discharged to the sewerage system.

The City's Board of Supervisors annually adopts a schedule of sewer service charges which establishes the unit cost for each parameter. Resolution No. 406-96, adopted on May 13, 1996, imposed the following applicable parameter costs (as Schedule B):

Parameter	Unit Cost
Volume of wastewater discharged	$4.1054 per 100 cubic feet (1 unit)
PLUS	
Suspended solids discharged	$0.5537 per lb.
PLUS	
Grease/oil discharged	$0.7512 per lb.
PLUS	
Chemical oxygen demand	$0.1113 per lb.

Based upon these unit costs, the sewer service charge rate for a batch wastewater discharge of minimal strength is indicated in the example illustrated in Appendix 4. (See Appendix 4, "1996-1997 Sewer Service Charge for Batch Wastewater Discharges".)

For those situations where wastewater discharges are anticipated to continue over a period of several weeks or longer, the installation of an appropriate flow measuring device may be included as a condition of the permit to discharge.

Appendix 1.0 Analytical Requirements For Batch Wastewater Discharges (All Sources) (City local limits)

Pollutant/Pollutant Property	Analytical Methodology[1]	Regulatory Limit[2] (mg/L)
pH (pH units)	150.1 / 9040B	6.0 min.; 9.5 max.
Dissolved sulfides	376.2 / 9030A[3]	0.5
Hydrocarbon oil and grease	SM 5520F[4]	100
Total recoverable oil and grease[5]	413.1 / 9070	300
Total suspended solids[5]	160.1	---
Chemical oxygen demand[5]	410.1	---

Appendix 1.1 Analytical Requirements For Batch Wastewater Discharges (All Sources) (City local limits)

Pollutant/Pollutant Property	Analytical Methodology[1]	Regulatory Limit[6] (mg/L)
Arsenic (Total)	200.7 / 6010A	4.0
Cadmium (Total)	200.7 / 6010A / 7130	0.5
Chromium (Total)	200.7 / 6010A / 7190	5.0

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Appendix 1.1 (Cont'd)

Pollutant/Pollutant Property	Analytical Methodology[1]	Regulatory Limit[6] (mg/L)
Copper (Total)	200.7 / 6010A / 7210	4.0
Lead (Total)	200.7 / 6010A / 7420	1.5
Mercury (Total)	7470A	0.05
Nickel (Total)	200.7 / 6010A / 7520	2.0
Silver (Total)	200.7 / 6010A / 7760A	0.6
Zinc (Total)	200.7 / 6010A / 7950	7.0
Phenols	420.1 / 8040A	23.0
Cyanide (Total)	335.3 / 9010A	1.0

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Appendix 2.0 Analytical Requirements For Batch Wastewater Discharges (Sources Suspected of Petroleum or Hazardous Waste Contamination) (TCLP)

Contaminant	Analytical Methodology[1]	Regulatory Level[7] (mg/L)
Flashpoint (°C, °F)	1010 / 1020A	≤ 60°C (140°F)[8]
Benzene	8020A / 8260A	0.5
Carbon tetrachloride	8010B / 8240B / 8260A	0.5
Chlordane	8080A / 8250A / 8270B	0.03
Chlorobenzene	8020A / 8240B / 8260B	100.0
Chloroform	8010B / 8240B / 8260B	6.0
o-Cresol	8040A / 8250A / 8270B	200.0[9]
m-Cresol	8040A / 8250A / 8270B	200.0[9]
p-Cresol	8040A / 8250A / 8270B	200.0[9]
Cresol	8040A / 8250A / 8270B	200.0[9]
2,4-D	8150B	10.0
1,4-Dichlorobenzene	8010B / 8250A / 8270B	7.5

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Appendix 2.0 (Cont'd)

Contaminant	Analytical Methodology[1]	Regulatory Level[7] (mg/L)
1,2-Dichloroethane	8010B / 8240B / 8260A	0.5
1,1-Dichloroethylene	8010B / 8240B / 8260A	0.7
2,4-Dinitrotoluene	8250A / 8270B	0.13
Endrin	8080A / 8250A / 8270B	0.02
Heptachlor (and its epoxide)	8080A / 8250A / 8270B	0.008
Hexachlorobenzene	8120A / 8250A	0.13
Hexachlorobutadiene	8120A / 8250A / 8270B	0.5
Hexachloroethane	8010B / 8240B / 8260A	3.0
Lindane	8080A / 8250A / 8270B	0.4
Methoxychlor	8080A / 8250A / 8270B	10.0
Methyl ethyl ketone	8240B / 8260A	200.0
Nitrobenzene	8090 / 8250A / 8270B	2.0
Pentachlorophenol	8040A / 8250A / 8270B	100.0

Appendix 2.0 (Cont'd)

Contaminant	Analytical Methodology[1]	Regulatory Level[7] (mg/L)
Pyridine	8090 / 8250A / 8270B	5.0
Tetrachloroethylene	8010B / 8240B / 8260A	0.7
Toxaphene	8080A / 8250A / 8270B	0.5
Trichloroethylene	8010B / 8240B / 8260A	0.5
2,4,5-Trichlorophenol	8040A / 8250A / 8270B	400.0
2,4,6-Trichlorophenol	8040A / 8250A / 8270B	2.0
2,4,5-TP (Silvex)	8150B / 8250A / 8270B	1.0
Vinyl chloride	8010B / 8240B / 8260A	0.2

Appendix 2.1 Analytical Requirements For Batch Wastewater Discharges (Sources Suspected of Petroleum or Hazardous Waste Contamination) (STLC/TTLC)

Substance	Analytical Methodology[1]	Regulatory Level STLC[10] (mg/L)	Regulatory Level TTLC[11] Wet-Weight (mg/kg)
Antimony and/or antimony compounds	200.7 / 6010A / 7040	15	500
Arsenic and/or arsenic compounds	200.7 / 6010A	5.0	500
Asbestos	40 CFR Part 763[12]	----	1.0 (as percent)
Barium and/or barium compounds (excluding barite)	200.7 / 6010A / 7080	100	10,000[13]
Beryllium and/or beryllium compounds	200.7 / 6010A / 7090	0.75	75
Cadmium and/or cadmium compounds	200.7 / 6010A / 7130	1.0	100
Chromium (VI) compounds	7195 / 7196A / 7197	5	500
Chromium and/or chromium (III) compounds	200.7 / 6010A / 7190	5	2,500
Cobalt and/or cobalt compounds	200.7 / 6010A / 7200	80	8,000
Copper and/or copper compounds	200.7 / 6010A / 7210	25	2,500
Fluoride salts	340.1 / 340.2	180	18,000

Appendix 2.1 (Cont'd)

Substance	Analytical Methodology[1]	Regulatory Level STLC[10] (mg/L)	Regulatory Level TTLC[11] Wet-Weight (mg/kg)
Lead and/or lead compounds	200.7 / 6010A / 7420	5.0	1,000
Mercury and/or mercury compounds	7470A	0.2	20
Molybdenum and/or molybdenum compounds	200.7 / 6010A / 7480	350	3,500
Nickel and/or nickel compounds	200.7 / 6010A / 7520	20	2,000
Selenium and/or selenium compounds	200.7 / 6010A	1.0	100
Silver and/or silver compounds	200.7 / 6010A / 7760A	5	500
Thallium and/or thallium compounds	200.7 / 6010A / 7840	7.0	700
Vanadium and/or vanadium compounds	200.7 / 6010A / 7910	24	2,400
Zinc and/or zinc compounds	200.7 / 6010A / 7950	250	5,000
Aldrin	8080A / 8250A / 8270B	0.14	1.4
Chlordane	8080A / 8250A / 8270B	0.25	2.5

Appendix 2.1 (Cont'd)

Substance	Analytical Methodology[1]	Regulatory Level STLC[10] (mg/L)	Regulatory Level TTLC[11] Wet-Weight (mg/kg)
DDT, DDE, DDD	8080A / 8250A / 8270B	0.1	1.0
2,4-Dichlorophenoxyacetic acid	8150B	10	100
Dieldrin	8080A / 8250A / 8270B	0.8	8.0
Dioxin (2,3,7,8-TCDD)	8280 / 8290	0.001	0.01
Endrin	8080A / 8250A / 8270B	0.02	0.2
Heptachlor	8080A / 8250A / 8270B	0.47	4.7
Kepone	Section 5A(5)(a)[14] / 8270B	2.1	21
Lead compounds, organic	Appendix XI[15]	----	13
Lindane	8080A / 8250A / 8270B	0.4	4.0
Methoxychlor	8080A / 8250A / 8270B	10	100
Mirex	8080A / 8250A / 8270B	2.1	21
Pentachlorophenol	8040A / 8250A / 8270B	1.7	17

Appendix 2.1 (Cont'd)

Substance	Analytical Methodology[1]	Regulatory Level STLC[10] (mg/L)	Regulatory Level TTLC[11] Wet-Weight (mg/kg)
Polychlorinated biphenyls (PCBs)	8080A / 8250A / 8270B	5.0	50
Toxaphene	8080A / 8250A / 8270B	0.5	5
Trichloroethylene	8010B / 8240B / 8260A	204	2,040
2,4,5-Trichlorophenoxypropionic acid	8150B	1.0	10

Footnotes:

[1] Analytical methodologies in the 100 – 400 series are cited at EPA regulations 40 CFR Part 136 – "Guidelines Establishing Test Procedures for the Analysis of Pollutants", as amended. The application of any method approved in this regulation as an approved alternative method is necessarily permitted for use by PUC-BERM.
Analytical methodologies in the 1000 – 9000 series are found at the EPA methodology Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods, U.S. EPA, SW-846, 3rd ed., January 1995, as amended.

[2] Chapter X (Public Works Code) of Part II of the San Francisco Municipal Code, Article 4.1, Section 123

[3] Acid-soluble fraction only

[4] Standards Methods for the Examination of Water and Wastewater, Eaton, Andrew D., et al., American Public Health Association, et al., Washington, D.C., 1995, 19th ed., as amended

[5] Notwithstanding any regulatory limit that may be identified with this pollutant/pollutant property, this parameter defines the characteristic of the discharge that, in part, is used in the calculation of sewer service charges.

[6] City and County of San Francisco, Department of Public Works, Order No. 158170, dated December 18, 1991

[7] California Code of Regulations, Title 22, Section 66261.24(a)(1)(B)

[8] California Code of Regulations, Title 22, Section 66261.21(a)(1)

[9] If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol concentration is used. The regulatory level of cresol is 200 mg/L.

[10] Soluble Threshold Limit Concentration. California Code of Regulations, Title 22, Section 66261.24(a)(2)(A)

[11] Total Threshold Limit Concentration. California Code of Regulations, Title 22, Section 66261.24(a)(2)(A)

[12] Code of Federal Regulations (CFR) Part 763 - Asbestos, Subpart F, Appendix A, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples".

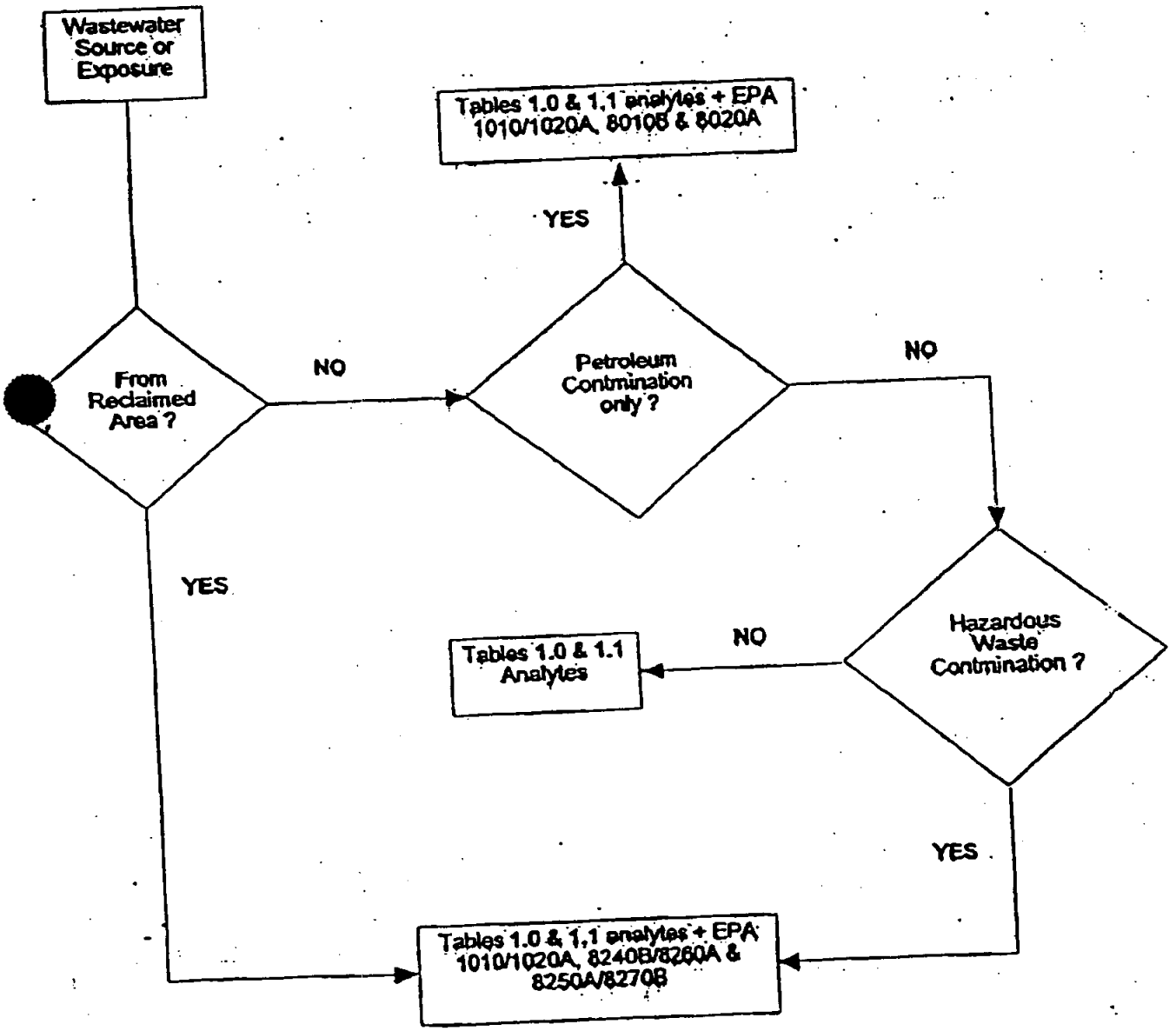
[13] Excluding barium sulfate

[14] Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples, EPA-600/8-80-038, U.S. Environmental Protection Agency, 1980, Section 5, A, (5), (a)

[15] California Code of Regulations, Title 22, Division 4.5, Chapter 11, Appendix XI, "Organic Lead Test Method", as amended

Appendix 3

Required Analyses for Batch Wastewater Discharges



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Appendix 4

1996-1997 Sewer Service Charge for Batch Wastewater Discharges

urce: (e.g. Groundwater)

low / Concentration Data:

Discharge Date	Discharge Volume (gallons)	Discharge Volume (units)*	Pollutant Concentration Tot. O&G (mg/L)	Tot. Susp. Solids (mg/L)	COD (mg/L)
01/27/97	748	1	5	5	15

(Theoretical concentrations)

Sewer Service Charge: (using 96-97 rates)

	Concentration (mg/L)	Concentration (lbs/unit)	Cost ($/lb)	Cost ($/unit)
Tot. Oil & Grease	5	0.031	0.7512	0.0233
Tot. Susp. Solids	5	0.031	0.5537	0.0172
COD	15	0.094	0.1113	0.0105
Flow ($/unit)				4.1054

Sewer Service Charge Rate ($/unit): **$4.1563**

Total Sewer Service Charge = *$4.1563 x 1 =* $4.16

* 1 Unit = 100 cubic feet = 748 gallons

PUBLIC UTILITIES COMMISSION
CITY AND COUNTY OF SAN FRANCISCO

WILLIE L. BROWN, JR.
MAYOR

ANSON B. MORAN
GENERAL MANAGER

BATCH WASTEWATER PERMIT APPLICATION

1. Name of business where wastewater was generated :

_____

2. Name of business applying for permit (if different from 1. above) :

_____

3. Mailing address of business applying for permit :

_____

_____

4. Activity resulting in wastewater generation :

_____

_____

_____

5. Location of wastewater generation :

_____

_____

6. Total estimated volume (or volume flow rate) of wastewater discharge :

_____

7. Estimated duration of wastewater discharge :

_____

BUREAU OF ENVIRONMENTAL REGULATION & MANAGEMENT
STEVEN C. MEDOFF, CHIEF
SUITE 800 SAN FRANCISCO, CA 94124
HEALTH AND SAFETY PROGRAM (415) 695-7370

8. Proposed sewer opening for discharge :

☐ Side Sewer; ☐ Catch Basin; ☐ Storm Drain; ☐ Manhole

9. Location of sewer opening :

_____

10. Does an underground storage tank for petroleum liquids currently exist on the site ?

☐ YES; ☐ NO

11. Has an underground storage tank for petroleum liquids been recently removed from the site ?

☐ YES; ☐ NO

12. Has the wastewater been exposed to petroleum contamination ?

☐ YES; ☐ NO

13. Were hazardous materials or waste ever stored on the site ?

☐ YES; ☐ NO

14. Has the wastewater been exposed to hazardous waste contamination ?

☐ YES; ☐ NO

15. Has the wastewater resulted from groundwater extracted within the reclaimed area specified in Section 1001(a)2.(A) of Article 20 ? (See Section 11.0 in "Requirements For Batch Wastewater Discharges".)

☐ YES; ☐ NO

16. Will the wastewater be subjected to any treatment before discharge ?

☐ YES; ☐ NO

17. If so, describe the method(s) of treatment :

_____

_____

_____

_____

18. Attach a site plan showing the source of the wastewater, the sampling location(s) or monitoring well(s), and the proposed discharge location (side sewer(s), catch basin(s), storm drain(s) or manhole(s)).

19. Attach a copy of applicable analytical results from a representative sample of the wastewater. (See Sections 8.0, 9.0, 10.0 & 11.0 in "Requirements For Batch Wastewater Discharges".)

20. Certification Statement :

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature[1]: _____ Date: _____

[1] *To be signed by an authorized representative of the discharger. An authorized representative may be (a) a principal executive officer or official; (b) a general partner or proprietor; or (c) a duly authorized representative of the individual designated in (a) or (b).*

Attachment 3
Appendix B

Operation & Maintenance Manual

Carbonair Model GPC-3
Gase Phase Carbon Adsorber

CONTENTS

1.0 Safety Precautions *1*
2.0 Equipment Description *1*
3.0 Process Description *2*
4.0 Installation *2*
4.1 Inspection *2*
4.2 Loading & Unloading *2*
4.3 Connections *3*
5.0 Start-Up *3*
6.0 Operation *3*
7.0 Trouble Shooting *4*
8.0 Maintenance *5*
8.1 Waste Disposal *5*
9.0 Spare Parts *5*
10.0 Design Criteria Summary *6*
11.0 Pressure Drop Chart *6*
12,0 Drawings *7*
13.0 Specific Operating Parameters *9*
Fact sheet #4 ..... *Attached*

1.0 SAFETY PRECAUTIONS

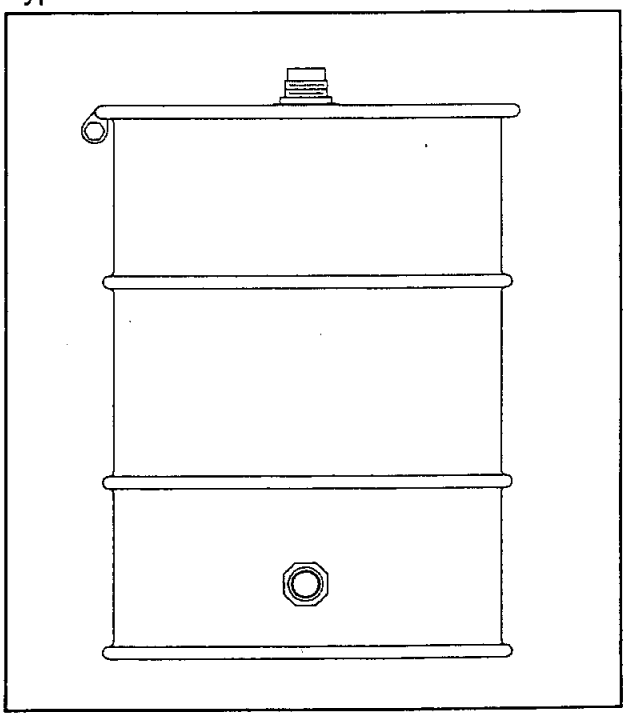
Failure to observe these precautions could result in serious bodily injury and/or property damage.

- Be sure you thoroughly read and understand this O&M Manual before beginning operation. If you have any questions, please call Carbonair Environmental Systems, Inc. at (800) 526-4999.
- Be sure all electrical disconnects are "OFF" and locked out before servicing.
- Always wear gloves, eye protection and protective clothing when working with the carbon vessel.
- Obtain an activated carbon Material Safety Data Sheet (MSDS) for more detailed safety and handling information (available upon request).
- Take time to record your specific operating parameters on page 9.

2.0 EQUIPMENT DESCRIPTION

Carbonair's GPC-3 gas phase carbon adsorbers are fabricated using standard 55-gallon steel drums. The units are compact and drum-dolly compatible, making installation quick and trouble-free.

Figure No. 1
Typical GPC Unit



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4.3 Connections

After the GPC-3 gas phase carbon adsorber has been properly inspected and positioned on site, process connections can be made.

The GPC unit is shipped with all nozzles and ports covered. This is done as a safety precaution and to prevent moisture from contaminating the activated carbon in the vessel. The covers must be removed prior to making the necessary piping connections.

1. Attach the exhaust stack, avoiding unnecessary restrictions in the off-gas ducting. Ducting should be sized for minimum friction loss according to the design air flow rate for the unit. When in doubt, ducting should match the size of the GPC-3 air outlet port.

Note: Be sure to install a cap (which does not significantly restrict the airflow) on the discharge stack to prevent water from entering the carbon vessel – if one has not already been provided.

2. Connect the inlet air piping to the influent flange or coupling. All interconnecting piping should be self-supporting.

3. Carbonair recommends installing a pressure gauge (rated in inches of water) and sampling tap in both the inlet and the outlet piping to assist in the evaluation of GPC system performance. The inlet and the outlet pressure gauges provide the ability to calculate the pressure drop across the unit. The sample taps provide the ability to collect representative gas samples for contaminant removal performance determinations.

5.0 START-UP

After all the necessary connections are made, proceed with the following start-up procedures:

1. Start the process air source to begin the introduction of air into the GPC Unit.

2. Record the inlet and outlet pressures and note the pressure drop across the unit. Measure the inlet air flow and then check the Pressure Drop Chart in Figure No. 2. Verify that the unit is operating according to the design curve.

3. To achieve optimum performance of the GPC unit during initial start-up, check:

- ✓ The air flow rate
- ✓ The pressure drop
- ✓ For air leaks
- ✓ The inlet air temperature
- ✓ The inlet air relative humidity

Refer to the Specific Operating Parameters Section on Page 9.

6.0 OPERATION

After initial start-up and successful checkout of the GPC unit, long term continuous operation can be initiated.

The GPC-3 gas phase carbon adsorber is designed for a nominal air flow rate of 75 cfm, an optimum relative humidity of 50% and a maximum inlet operating temperature of 100 degrees F. The inlet flow rate, relative humidity and the temperature must be regularly monitored to verify compliance with GPC-3 design operating criteria. This will ensure optimum contaminant removal performance of the unit.

Note: For further information regarding the effects of humidity and temperature on vapor phase carbon performance, refer to the attached fact sheet.

Performance of the GPC-3 unit should be checked periodically by measuring the pressure drop across the unit and evaluating the contaminant removal of the carbon bed by sampling inlet and outlet gas streams. Measurement & sampling frequencies will be dictated by process air flows and inlet contaminant concentrations.

As the carbon bed adsorbs contaminants and moisture from the flow stream, the pressure drop across the unit may increase. The operation should be terminated and the carbon replaced when the effluent concentration of the critical contaminant approaches the discharge limit. Again,

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3. **Situation**

Unusually low pressure drop across the unit (see the Pressure Drop Chart, Figure No. 2).

Cause:

This could be caused by the following:

- ✓ Low activated carbon level on carbon bed.
- ✓ Low inlet gas flow.
- ✓ Larger activated carbon particle size being used than is required.

Solution:

- Verify inlet gas flows.
- Check the carbon bed depth.
- Verify the activated carbon particle size against the design specification.

8.0 MAINTENANCE

Periodically, the spent activated carbon will have to be replaced. Carbonair recommends replacing the entire unit rather than replacing only the carbon in the vessel.

8.1 Waste Disposal

Proper disposal of spent carbon and any contaminated condensate is essential. Be sure to follow all local, stat and federal regulations for handling, storing, transporting, disposal and reactivation of spent carbon and condensate.

The spent activated carbon can be sent to Carbonair for reactivation or a licensed reactivation facility for recycling. However, before the contaminated material can be shipped, a "Spent Carbon Identification Sheet" must be completed and sent to Carbonair. Other forms may also be required depending on the hazardous/non-hazardous classifications of the contaminants adsorbed. Carbonair will not accept spent carbon until all the necessary forms have been completed. In addition, Carbonair cannot accept hazardous carbon at its facility.

9.0 SPARE PARTS

When ordering spare parts, refer to the drawings at the end of this manual. Be sure to provide the vessel model number and the complete description of the part.

10.0 DESIGN CRITERIA SUMMARY

The following table outlines the design criteria for the GPC-3 gas phase carbon adsorber.

Table No. 2
Design Criteria Summary

ADSORPTION ZONE		
#	Design Parameter	Specification
1	Carbon Bed Depth	~ 28 inches
2	Carbon Bed diameter	24 1/2 inches
3	Carbon Bed Length	N/A
4	Carbon Bed Area	2.7 square feet
5	Carbon Bed Volume	5 cuft
6	Carbon Bed Weight	~ 150 lbs.
GAS FLOW		
#	Design Parameter	Specification
1	Direction	Upward Flow
2	Type	Forced Draft
3	Nominal Flow	75 cfm
4	Optimum Relative Humidity	50%
5	Maximum Inlet Gas Temperature	100° F

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Figure No. E
GPC-3 Assembly Drawing No. 1

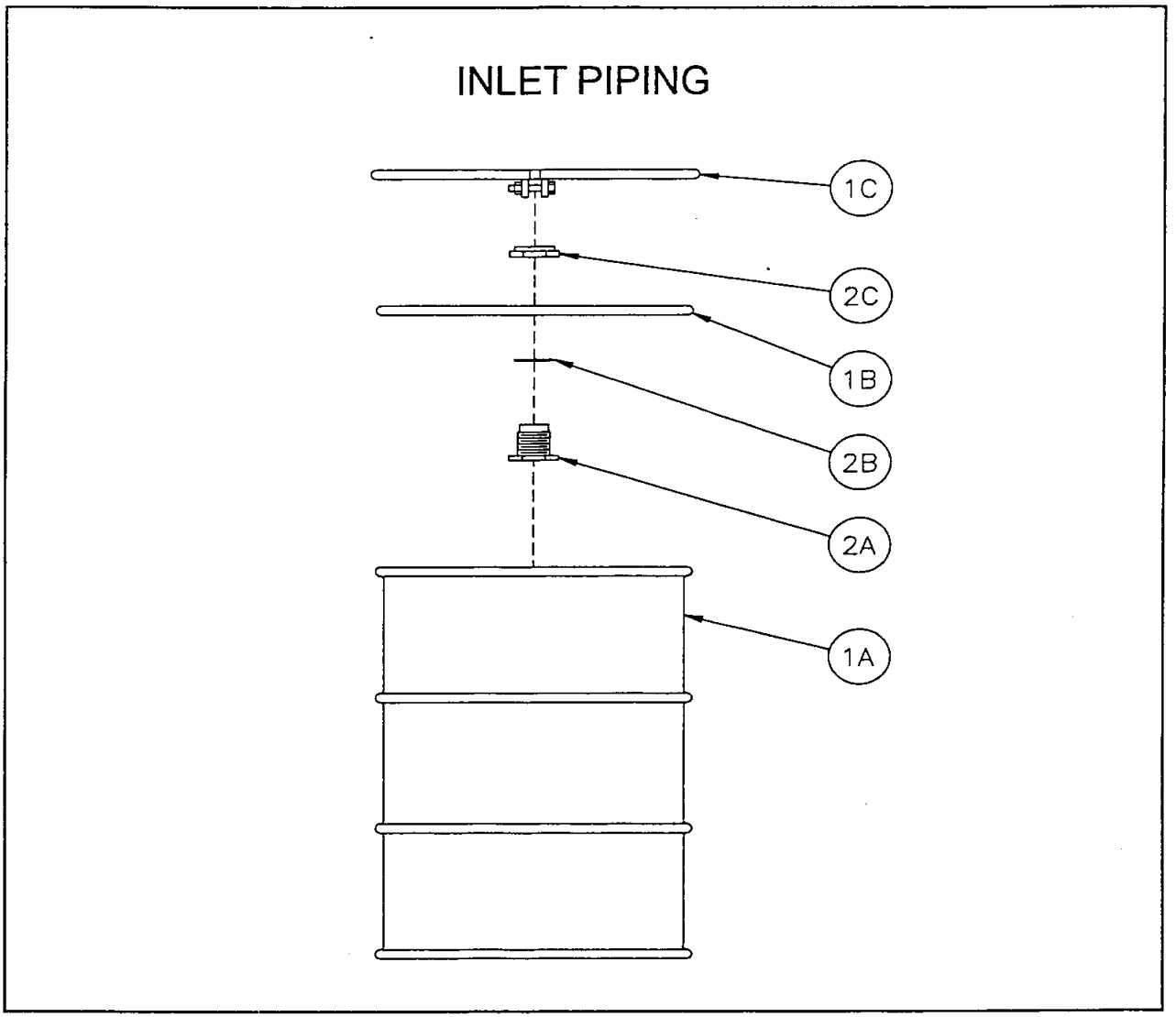

Table No. 3
GPC-3 Assembly Drawing Parts List

#	PARTS DESCRIPTION
1A	Drum 55-gallon Steel
1B	Drum Cover
1C	Drum Clamp Ring
2A	Bulkhead Fitting Body
2B	Bulkhead Fitting Gasket
2C	Bulkhead Fitting Nut

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13.0 SPECIFIC OPERATING PARAMETERS

Job _____

Carbonair's Serial Number _____

Recommended Activated Carbon _____

Activated Carbon Particle Size Range _____

Inlet Air Flow Rate _____

Inlet Temperature (°F) _____

Inlet Relative Humidity (%) _____

Contaminant Description _____

Contaminant Concentration _____

Contaminant Mass Flow _____

NOTES _____

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Operation & Maintenance Manual

Carbonair Model GPC-3

Gase Phase ~~Carbon~~ Adsorber

HYDROSIL

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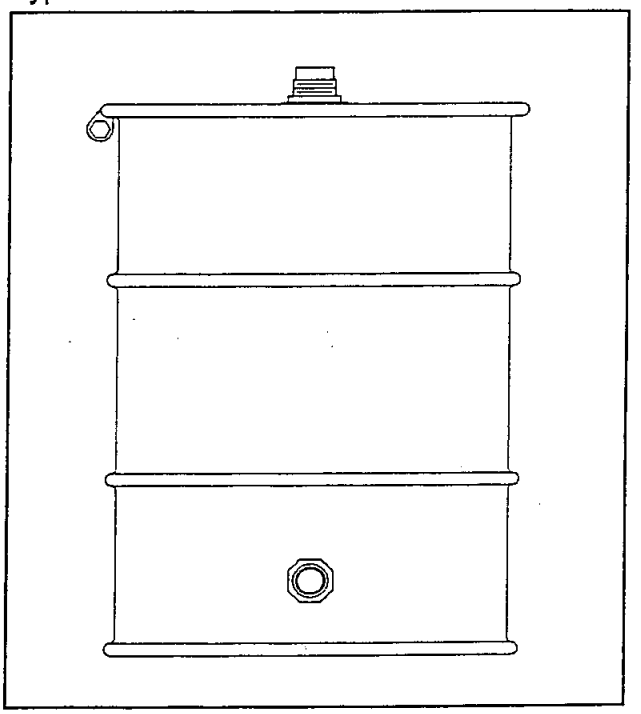

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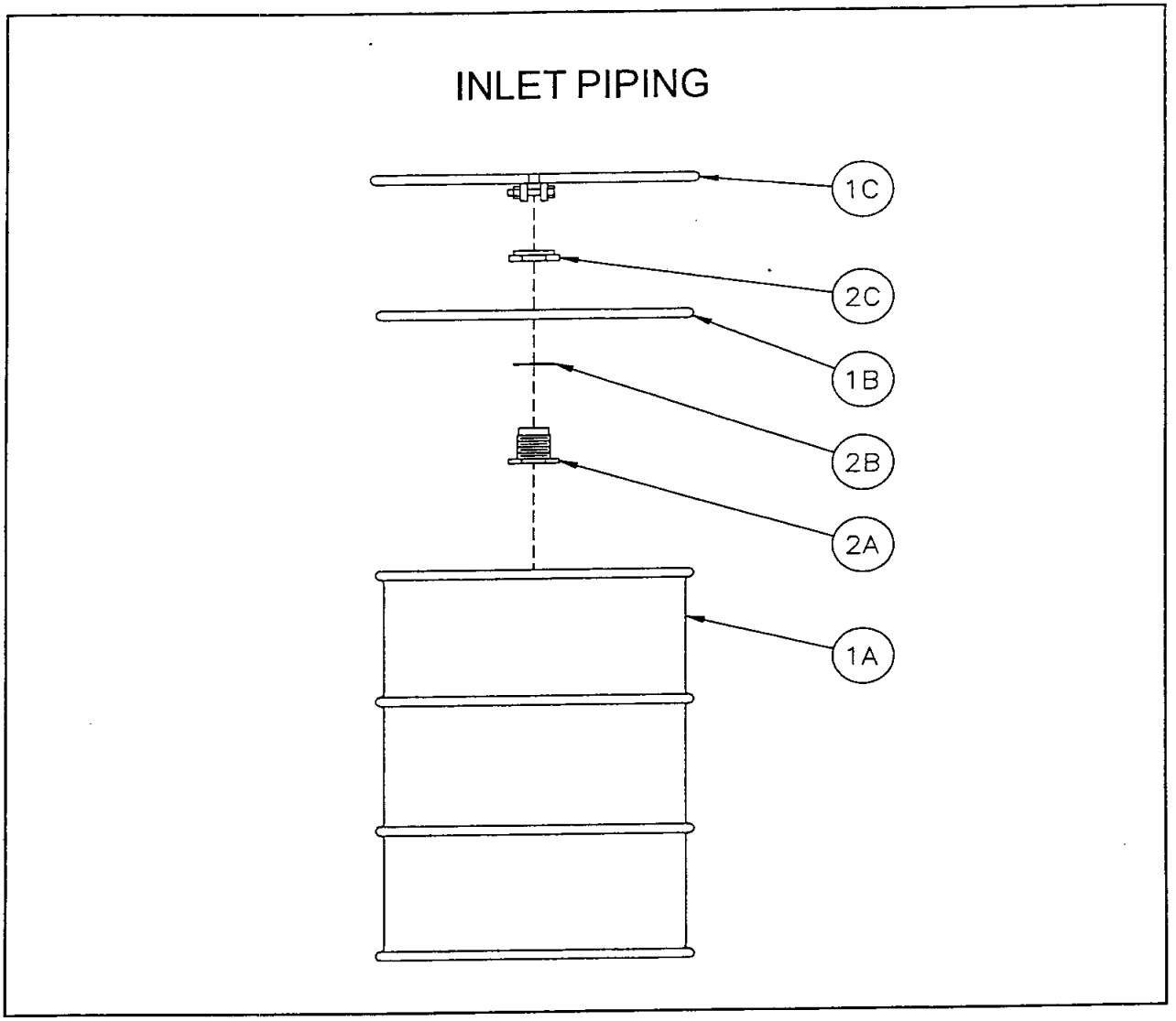

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Contaminant Description _____

Contaminant Concentration _____

Contaminant Mass Flow _____

NOTES _____

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HYDROSIL™

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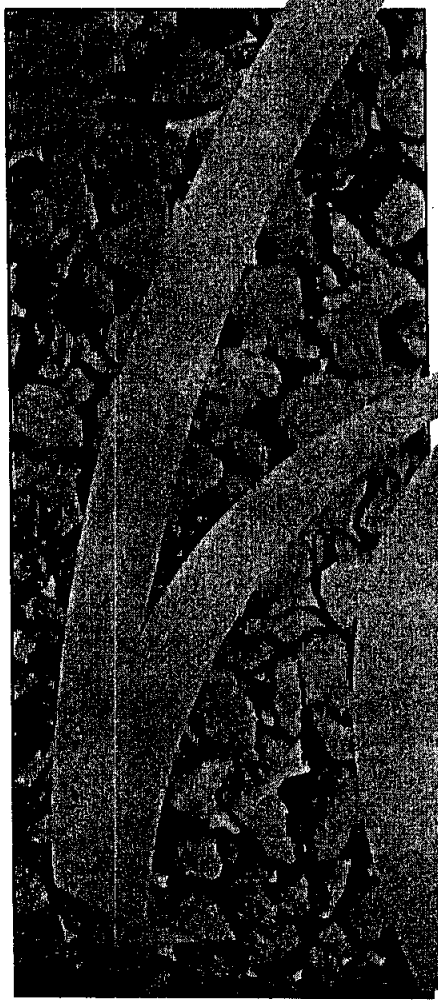

☒ Spectrum™ HS-600,	6% potassium permanganate	Part #_____
☐ Spectrum™ HS-100,	molecular sieve	Part #_____
☐ Spectrum™ XB-17,	50/50 blend by volume of HS-600 and 60% CTC activated carbon	Part #_____
☐ Spectrum™ HS-AC,	60% CTC activated carbon _____ virgin ____ regenerated	Part #_____
☐ Spectrum™ HS-____,	_____	Part #_____

FIRST AID

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Seek medical attention if irritation persists.

Skin: Wash contaminated areas with plenty of soap and water. Remove contaminated clothing, wash before re-use.

Inhalation: Move person out of contaminated area into fresh air.

Ingestion: Give large quantities of water. Induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek medical help immediately.

STORAGE AND HANDLING

Store in cool dry area in closed containers. Do not store near combustible material. Segregate from acids and peroxides.

Wear safety glasses and rubber or plastic gloves when handling. Use NIOSH/MSHA approved respiratory protection and provide adequate ventilation to prevent overexposure.

WARNING

Avoid contact with eyes, skin and mucous membranes. Harmful if swallowed.

Prolonged inhalation of manganese compounds above the thresho limit-value may cause lung irritation and central nervous syste disorder.

FIRE OR SPILL

In case of fire, soak with water. For disposal, see material safety dat

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Lot Number 020813 ☒ lb / ☐ kg 2400 ☐ ft³ / ☐ liter _____ **Mesh Size** 4x6

AMETEK

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Telephone: 845-246-3401 Fax: 845-246-3802
e-mail: rotronindustrial@ametek.com website: www.rotronindustrial.com

GENERAL INSTALLATION INSTRUCTIONS

Rotron Regenerative Blowers

Installation Instructions for SL, DR, EN, CP, and HiE Series Blowers

1. **Bolt It Down** - Any blower must be secured against movement prior to starting or testing to prevent injury or damage. The blower does not vibrate much more than a standard electric motor.

2. **Filtration** - All blowers should be filtered prior to starting. Care must be taken so that no foreign material enters the blower. If foreign material does enter the blower, it could cause internal damage or may exit at extremely high velocity.

   Should excessive amounts of material pass through the blower, it is suggested that the cover(s) and impeller(s) be removed periodically and cleaned to avoid impeller imbalance. Impeller imbalance greatly speeds bearing wear, thus reducing blower life. Disassembling the blower will void warranty, so contact the factory for cleaning authorization.

3. **Support the Piping** - The blower flanges and nozzles are designed as connection points only and are not designed to be support members.

   Caution: Plastic piping should not be used on blowers larger than 1 HP that are operating near their maximum pressure or suction point. Blower housing and nearby piping temperatures can exceed 200°F. Access by personnel to the blower or nearby piping should be limited, guarded, or marked, to prevent danger of burns.

4. **Wiring** - Blowers must be wired and protected/fused in accordance with local and national electrical codes. All blowers must be grounded to prevent electrical shock. Slo-Blo or time delay fuses should be used to bypass the first second of start-up amperage.

5. **Pressure/Suction Maximums** - The maximum pressure and/or suction listed on the model label should not be exceeded. This can be monitored by means of a pressure or suction gage (available from Rotron), installed in the piping at the blower outlet or inlet. Also, if problems do arise, the Rotron Field representative will need to know the operating pressure/suction to properly diagnose the problem.

6. **Excess Air** - Bleed excess air off. DO NOT throttle to reduce flow. When bleeding off excess air, the blower draws less power and runs cooler.

   Note: Remote Drive (Motorless) Blowers - Properly designed and installed guards should be used on all belts, pulleys, couplings, etc. Observe maximum remote drive speed allowable. Due to the range of uses, drive guards are the responsibility of the customer or user. Belts should be tensioned using belt gauge.

For further information regarding Rotron regenerative blowers (including service & parts manuals), please contact your local field sales engineer.

Revised 12/10/98

Maintenance Procedure

When properly piped, filtered, and applied, little or no routine maintenance is required. Keep the filter clean. Also, all standard models in the DR, EN, CP, and HiE series have sealed bearings that require no maintenance. Bearing should be changed after 15,000 to 20,000 hours, on average. Replacement bearing information is specified on the chart below.

Bearing Part Number	Size	Seal Material	Grease	Heat Stabilized
510217 510218 510219	205 206 207	Polyacrylic	Nye Rheotemp 500 30% +/- 5% Fill	Yes – 325 F
510449 516440 516648	203 202 307	Buna N	Shell Dolium "R" 25-40% Fill	NO
516840 516841 516842 516843 516844 516845 516846 516847	206 207 208 210 309 310 311 313	Buna N	Shell Dolium "R" 30%+/- 5% Fill	NO

Troubleshooting

		POSSIBLE CAUSE	OUT OF WARRANTY REMEDY ***
IMPELLER DOE NOT TURN	Humming Sound	1. * One phase of power line not connected 2. * One phase of stator winding open 3. Bearings defective 4. Impeller jammed by foreign material 5. Impeller jammed against housing or cover 6. ** Capacitor open	1. Connect 2. Rewind or buy new motor 3. Change bearings 4. Clean and add filter 5. Adjust 6. Change capacitor
	No Sound	1. * Two phases of power line not connected 2. * Two phases of stator winding open	1. Connect 2. Rewind or buy new motor
IMPELLER TURNS	Blown Fuse	1. Insufficient fuse capacity 2. Short circuit	1. Use time delay fuse of proper rating 2. Repair
	Motor Overheated Or Protector Trips	1. High or low voltage 2. * Operating in single phase condition 3. Bearings defective 4. Impeller rubbing against housing or cover 5. Impeller or air passage clogged by foreign material 6. Unit operating beyond performance range 7. Capacitor shorted 8. * One phase of stator winding short circuited	1. Check input voltage 2. Check connections 3. Check bearings 4. Adjust 5. Clean and add filter 6. Reduce system pressure/vacuum 7. Change capacitor 8. Rewind or buy new motor
	Abnormal Sound	1. Impeller rubbing against housing or cover 2. Impeller or air passages clogged by foreign material 3. Bearings defective	1. Adjust 2. Clean and add filter 3. Change bearings
	Performance Below Standard	1. Leak in piping 2. Piping and air passages clogged 3. Impeller rotation reversed 4. Leak in blower 5. Low voltage	1. Tighten 2. Clean 3. Check wiring 4. Tighten cover, flange 5. Check input voltage

* 3 phase units
** 1 phase units
*** Disassembly and repair of new blowers or motors will void the Rotron warranty. Factory should be contacted prior to any attempt to field repair an in-warranty unit.

Revised 12/10/98