

**DRAFT 2006
OPERATIONS, MAINTENANCE &
MONITORING ANNUAL REPORT**

DEL AMO WASTE PITS
LOS ANGELES, CALIFORNIA

PREPARED FOR:

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY

PREPARED ON BEHALF OF:

THE DEL AMO RESPONDENTS

PREPARED BY:



MARCH 2007

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C2 REM STANDARD ACRONYMS AND ABBREVIATIONS

AO	Administrative Order
C ₁	Carbon Vessel 1
CAL EPA	California Environmental Protection Agency
Cap Gas System	Cap Gas Collection and Treatment System
CO ₂	Carbon Dioxide
COCs	Constituents of Concern
CRP	Carbon Replacement Protocol
DHS	Department of Health Services
DTSC	Department of Toxic Substances Control Board
FPTP	Field Pilot Test Program
GAC	Granulated Activated Carbon
GCTS	Gas Collection Treatment System
LADWP	Los Angeles Department of Water and Power
LEL	Lower Explosive Limit
O ₂	Oxygen
OM&M	Operations, Maintenance & Monitoring
PID	Photo Ionization Detector
PLC	Programmable Logic Controller
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
RD Addendum	Remedial Design Workplan Addendum – In Situ Bioventing Technology Assessment
SCAQMD	South Coast Air Quality Management District
SVE/IBT	Soil Vapor Extraction/ Insitu Biodegradation Technology
TM	Technical Memorandum
USACOE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds
Waste Pits	Del Amo Waste Pits Operable Unit

1.0 INTRODUCTION

This Annual Report (Report) has been prepared by C2 REM on behalf of the Del Amo Respondents to summarize the Operations, Maintenance and Monitoring (OM&M) activities conducted at the Del Amo Waste Pits Operable Unit (Waste Pits) site, pursuant to requirements in the *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit, Torrance, California*, United States Environmental Protection Agency (USEPA), May 3, 1999 (USEPA, 1999) and the *Operation, Maintenance and Monitoring Manual for the Del Amo Waste Pits Operable Unit, Torrance, California*, Parsons Engineering Science, March 12, 1999 (OM&M Manual). This Report provides a summation of the OM&M activities conducted at the Waste Pits during the sixth year of operation (January 2006 – December 2006).

This Report includes discussions on: 1) inspections (pursuant to both quarterly requirements and post rain events) of the cover system, drainage systems, Cap Gas Collection and Treatment System (Cap Gas System), the Soil Vapor Extraction/Insitu Biodegradation Technology (SVE/IBT) system and general physical site characteristics; 2) monument survey results; 3) assessments of field-observed benzene concentrations within the Cap Gas System; 4) quarterly perimeter well monitoring; 5) selection, design, and implementation of the soil vapor treatment technology; and 6) summaries of maintenance and repairs.

The remainder of this Report is outlined in the following sections:

- 2.0 Site History
- 3.0 Inspections
- 4.0 Monument Survey Event
- 5.0 Cap Gas Collection and Treatment System Operation
- 6.0 Soil Vapor Extraction System Evaluation and Monitoring
- 7.0 Routine Maintenance
- 8.0 Repairs
- 9.0 Conclusions and Recommendations
- 10.0 References

2.0 SITE HISTORY

The Waste Pits are located in Los Angeles County, California and include Lots 36 and 37 of the Los Angeles County Assessor's Map. The Waste Pits property is located between Vermont Avenue (to the east) and Normandie Avenue (to the west). The northern boundary of the property is a Los Angeles Department of Water and Power (LADWP) easement, and the southern boundary is Del Amo Boulevard (see Figure 1.0). One major petroleum and petrochemical pipeline corridor is located within the property on the southern boundary of the Waste Pits property.

The Waste Pits include two adjoining parcels of land (Lots 36 and 37), which contain six small rectangular pits (2-series pits) and three large rectangular impoundments (1-series pits) (see Figure 2.0). Both the 1-series and the 2-series pits were used for the disposal of wastes and waste liquids during operation of a synthetic rubber manufacturing facility. The 2-series pits are located on the western side of Lot 36 and the 1-series pits, 1-B and 1-C, are located on the eastern side. Immediately east of Lot 36 is Lot 37, which contains a former large, rectangular impoundment, designated as Pit 1-A. Impacted soils from Pit 1-A were excavated in four phases from 1982 –1984 to a depth of 6 feet at the east side of the pit and to a depth of 25 feet at the west side. This excavation process was completed under the direction of the California Department of Health Services (DHS), with jurisdiction for the Waste Pits under California Environmental Protection Agency's (CAL EPA) Department of Toxic Substances Control (DTSC).

As outlined in the *Remedial Design Work Plan, Del Amo Pits Operable Unit, Torrance, California*, Dames and Moore, June 30, 1998 (Dames & Moore, 1998), the USEPA provided oversight for the construction and installation of the Phase I remedy including installation of the SVE wells (a component of the proposed Phase II remedy). The Phase I remedy, which was performed on the 2-series pits and 1-series pits 1-B and 1-C, consisted of a Resource Conservation and Recovery Act (RCRA) equivalent multi-layer cap, soil vapor monitoring probes, the Cap Gas System, security fences, deed restrictions, and surface and subsurface drainage features. During the 2006 operational period the treatment technology for Site vapor was selected, designed, and installed. The SVE/IBT

system was constructed during the period of February 27, 2006 through April 28, 2006, and a short-term operation began on August 7, 2006 and continues to the present.

3.0 INSPECTIONS

Inspections were conducted quarterly in accordance with the OM&M Manual (Section 4.0) on March 20, 2006, June 27, 2006, August 30, 2006, and November 30, 2006 for the cover system (RCRA-Equivalent Cap), the Cap Gas System, surface and subsurface water drainage systems, security fences, and access roads (see Appendix A for inspection forms). Additionally, the SVE well heads, which are capped with blank tee flanges, were inspected and monitored for leaks utilizing a photo ionization detector (PID) calibrated to benzene. These wellhead inspection and monitoring activities were conducted quarterly in 2006 and will continue at this frequency throughout the SVE/IBT operations (see OM&M Manual, Section 6.2.1).

C2 REM conducted post rain inspection events on January 2, 2006, February 28, 2006, and April 4, 2006, to identify matters of concern or areas of needed repairs. Post rain inspection events were conducted following periods of “heavy rainfall”, defined as every rainfall of 1” or greater within a 24-hour period. The inspection forms used during these inspections are presented in Appendix A.

3.1 SUMMARY OF COVER SYSTEM INSPECTION EVENTS

During the cover system inspection events, no unusual or significant settlement erosion, sediment build-up, slope instability, shifting, or vertical cracking was observed. Areas that exhibited slight evidence of burrowing animals or undesirable weeds were attended to during routine property maintenance. The results of the C2 REM cover system inspection events are presented in Table 1.0. Given that this is the sixth year of operation a survey of the monuments shall not take place until 2009.

3.2 SUMMARY OF CAP GAS SYSTEM INSPECTION EVENTS

Inspection of the Cap Gas System included observations of the aboveground components including: air intake and outlet collection headers, inlet and outlet valves, hoses and fittings, two 55-gallon carbon canisters, extraction blower, sampling ports, and a moisture separator canister. The results of the Cap Gas System inspection events are presented in Table 2.0. C2 REM did not observe any significant repair/maintenance issues with the Cap Gas System.

3.3 SUMMARY OF SURFACE AND SUBSURFACE DRAINAGE INSPECTION EVENTS

The concrete lined drainage swales, catch basins, and drainage culverts were checked by C2 REM to identify the presence of cracks, soil slumping, sediment build-up, separation, and the accumulation of vegetative debris (see Tables 3.0 and 4.0 for results). The results of the Surface and Subsurface Drainage inspection events show no significant issues with cracking, soil slumping, sediment build-up, separation, and accumulation of vegetation.

3.4 SUMMARY OF SECURITY FENCE AND ACCESS ROAD INSPECTION EVENTS

Visual inspections of the security fence and gates were performed to identify breaks, settlement damage, loose tension, and corrosion (see Table 5.0 for results). The gravel access road was inspected to identify dispersion of gravel, vegetation overgrowth, and excessive growth (see Table 6.0 for results). Breaks, damage, and general signs of deterioration of the perimeter fence were repaired as part of routine maintenance. C2 REM installed a new perimeter fence at the beginning of May 2006 equipped with barbed wire and a new swinging gate entrance at the southwest side of the site. C2 REM did not observe any significant repair issues regarding the access road. Minor cracks in the access road were repaired as part of routine maintenance (see Section 7.0 of this Report for greater detail).

3.5 SUMMARY OF SVE/IBT INSPECTION EVENTS

Inspection of the SVE/IBT system included visual assessments of system condition as well as mechanical assessments on an as needed basis. Visual inspections were conducted of aboveground components and included the following:

- SVE wellhead tee flanges;
- Ball valves;
- Sampling ports;
- Fittings;
- Carbon adsorber vessels;
- Blowers A & B;
- Oxygen generator; and,
- System sensors.

Inspections were conducted on a routine basis during the construction of the SVE/IBT system, as well as during the first months of operation, to ensure reliability of newly installed components. Other than relocation and rewiring of some electronic monitoring systems (see *Summary of SVE/IBT 3-Month Short-Term System Operations TM*, C2 REM 2006 for greater detail), no significant repair/maintenance issues were observed.

4.0 MONUMENT SURVEY EVENT

After completion of the final cover, eight survey monuments were installed at various locations to monitor and track historical ground movement and settlement. The general location of each survey monument is provided on Figure 3.0. C2 REM conducted the last monument survey event on January 10, 2005. Based on the average elevation difference (0.04 feet) between the 2004 monument survey results and the baseline monument survey results (2000), the cap did not undergo any significant settlement or grade adjustments (See Table 7.0 for results). Pursuant to the OM&M Manual, the monitoring shall be conducted every 5 years after primary consolidation has been reached. Therefore, the next monument survey event is scheduled for the year 2009.

5.0 CAP GAS COLLECTION AND TREATMENT SYSTEM OPERATION

5.1 OBJECTIVES

C2 REM conducted the Cap Gas System monitoring activities pursuant to the requirements as approved by the USEPA and as presented in the report entitled *Cap Gas Collection and Treatment Baseline Monitoring and Longterm Monitoring Recommendations Report, Del Amo Waste Pits Operable Unit, Los Angeles County, California*, C2 REM, December 2000 (C2 REM, 2000a). These monitoring activities were conducted to assess the efficiency of the Cap Gas System in the collection and treatment of fugitive soil vapor emissions from the sand layer within the cap.

5.2 2006 BI-MONTHLY CAP GAS MONITORING RESULTS

In an effort to assess the efficiency and performance of the carbon units of the Cap Gas System, bi-monthly monitoring was conducted from four sample locations (i.e., system influent [#1], effluent of the lead carbon vessel [#2], effluent of the secondary carbon vessel [#3], and system effluent [#4]). During bi-monthly monitoring, a site-dedicated PID (calibrated to benzene) was used to measure total volatile organic compound (VOC) concentrations at each of the four sample locations. As indicated in Table 8.0, influent sample readings ranging from 0.2 parts per million (ppm) to 25.6 ppm, and effluent readings ranging from 0.0 ppm to 2.2 ppm were recorded during 2006. As outlined in the OM&M Manual and the USEPA-approved carbon bed change-out protocol, system effluent readings greater than 5 ppm require action to assure that the Cap Gas System is operating in compliance. The low concentrations detected at the Cap Gas System effluent demonstrate that the carbon is efficient in controlling VOC emissions (see Figure 4.0). The forms used to record results of the bi-monthly cap gas monitoring events are presented in Appendix B.

The guidelines established for carbon change-out of the Cap Gas System state that when VOC concentrations at the effluent are greater than 5 ppm, and/or when the lead vessel efficiency (in relation to the system influent) falls within Zone 2 for two consecutive monitoring events or Zone 3 (see Figure 5.0), carbon shall be replaced. However, there

were several instances when carbon was not changed when the efficiency of the lead carbon vessel (in relation to the system influent) were plotted on the Carbon Replacement Protocol (CRP) in Zone 2 or Zone 3. In these instances, the decrease in lead carbon vessel efficiency (i.e., resulting from low system influent and subsequent low system effluent concentrations) did not warrant carbon replacement since the system effluent readings were well below the emission limits (i.e., less than 5 ppm). Subsequent monitoring events identified that lead carbon vessel efficiency improved with higher influent concentrations. By extension, the guidelines for carbon bed change-out have been slightly modified to state that when the VOC concentrations at the effluent are greater than 5 ppm, and/or when the lead carbon vessel efficiency falls within Zone 2 for two consecutive monitoring events or Zone 3 at greater than 5 ppm, carbon shall be replaced. Based on the aforementioned revised protocols, the carbon did not need to be changed out in 2006.

5.3 ANNUAL CONFIRMATION SAMPLING

C2 REM, with the approval of the USEPA (December 4, 2002), has modified the scope and frequency of the Cap Gas System annual confirmation sampling event. The frequency of the confirmation sampling event has been changed from an annual program to once every 5 years. In addition, South Coast Air Quality Management District (SCAQMD) Method 25.1 has been eliminated from the required list of analyses for collected Cap Gas System samples due to the lack of relevant information obtained from the method, as well as the redundancy of using both SCAQMD Method 25.1 and USEPA Method TO14 (the latter of which provides an adequately detailed analysis of site Constituents of Concern [COCs] and other related compounds).

Based on the approved scope and frequency for confirmation sampling, the next sampling event will be conducted during the second quarter of 2010 (to coincide with the second 5-year review) and thereafter in 2015.

6.0 SOIL VAPOR EXTRACTION SYSTEM EVALUATION AND MONITORING

6.1 OVERVIEW

As outlined in the March 27, 2003 USEPA letter (see Appendix C), the agency requested that quarterly monitoring of SVE perimeter monitoring wells commence (prior to startup of the SVE system). C2 REM also designed and constructed the SVE/IBT system. Operation of this system began on August 7, 2006 and is currently operating. A more detailed discussion of the SVE/IBT system construction and operations is presented in the *Summary of SVE/IBT Pre-System Startup Technical Memorandum (TM)* and the *Summary of SVE/IBT 3-Month Short-Term Operations TM*. Additional information is also presented in later sections of this report. The design and construction documents, prepared in support of the SVE/IBT system are as follows:

- *Remedial Design Workplan Addendum (C2 REM, 2005)*
- *SVE/IBT Pre-Final Design Report Addendum (C2 REM, 2005)*
- *Process Hazard Analysis Report (Webb, Murray, & Associates, 2005)*
- *SVE/IBT Operations, Maintenance, & Monitoring Manual (C2 REM, 2006)*
- *SVE/IBT Final Design Report (C2 REM 2006)*
- *SVE/IBT Construction Quality Assurance Plan (C2 REM, 2006)*
- *SVE/IBT Remedial Action Workplan (C2REM, 2006)*

6.2 QUARTERLY PERIMETER WELL MONITORING

C2 REM did not conduct quarterly monitoring of the SVE perimeter monitoring wells in 2006. Perimeter well monitoring was unnecessary due to extensive sampling and analysis during SVE/IBT field-testing activities. The procedures for monitoring the perimeter wells included measuring well pressure (inches of water), purging the appropriate pore volume (see Table 9.0), sampling through a pump/lung device into a 1-liter tedlar bag, and analyzing the collected vapors with a PID calibrated to benzene.

The low concentrations of VOCs detected at the perimeter wells indicate that the cover system is performing as designed and that contaminated soil vapors are not migrating significantly beyond the cap boundaries (see Table 10.0 and Figure 6.0).

6.3 SOIL VAPOR EXTRACTION/INSITU BIODEGRADATION TECHNOLOGY (SVE/IBT) SYSTEM

This SVE/IBT system design was developed based on previous assessments of biodegradation and recent (May, 2005) Pressure Response and Respiration testing conducted within the Pits area.

The SVE/IBT treatment technology combines extraction, re-injection and adsorption to meet the Record of Decision objectives which:

- Protect groundwater from contaminants that migrate out of the pits;
- Protect groundwater from contaminants that migrate out of the vadose zone soil below the pits, and;
- Protect groundwater from contaminants in the soils below the pits in the event that the water table rises into contaminated soil.

The SVE/IBT system final design includes injection at four SVE wells (3, 4, 8, & 9 at 7.5 scfm) and extraction at nine SVE wells (1, 2, 5, 6, 7, 10, 11, & 12 at 7.5 scfm and 20A at 3 scfm) in sequence to enhance the natural aerobic degradation observed within the vadose zone.

Construction of the SVE/IBT system began on February 27, 2006 and was completed on April 28, 2006. Construction activities included installation of a new enclosure, well field piping, electrical power, control system upgrades, carbon adsorption system, oxygen generator, and placement of conveyance and monitoring devices and sensors.

The pre-system start-up period occurred from May 1, 2006 through August 4, 2006. Pre-system start-up activities included testing and troubleshooting as well as diagnosis of any malfunction or non-responsiveness of the system's Programmable Logic Controller

(PLC) unit, machinery such as the blowers, oxygen generator, automated check valves, sensors, and devices.

On August 7, 2006, Short-Term OM&M activities began, which included operation and full-scale monitoring of the SVE/IBT system. The SVE/IBT system was operated for 8 hours per day (8:00 am – 4:00 pm), 5 days per week (Monday – Friday). The SVE/IBT system is controlled via a Programmable Logic Controller (PLC) system with capabilities for remote start and stop as well as alarm/emergency shutdown protocols.

During the first two weeks of Short-Term OM&M monitoring, all perimeter, cluster, and vacuum performance wells were monitored daily for pressure, Lower Explosive Level (LEL), VOCs, Oxygen (O₂), and Carbon Dioxide (CO₂) using hand-held monitoring equipment. After the initial two weeks of daily field monitoring, which confirmed stable operation conditions, the monitoring routine was adjusted to once a week. C2 REM continued to follow the same procedure sampling all perimeter, cluster, and vacuum performance monitoring wells. The injection and extraction wells were monitored weekly for pressure, LEL, VOCs, O₂, and CO₂ using hand-held monitoring equipment

During the first two weeks of Short-Term monitoring, measurements were collected daily from the System enclosure as follows:

- Station 1 (Influent): the inlet (the combined flow of the 9 extraction wells);
- Station 2 (Post Ambient Air): the diversion loop (to the Granulated Activated Carbon [GAC] beds) just after the ambient air intake;
- Station 3 (Carbon Vessel 1 [C₁]): at the effluent of the primary GAC bed; and
- Station 4 (Effluent): the effluent stack.

These four measurement points were monitored for LEL, VOCs, O₂, CO₂, and flow rate using hand-held monitoring equipment, and corresponding inline measurements from the PLC were also recorded where applicable. After the initial two weeks of daily field monitoring, which confirmed stable operating conditions, the monitoring routine was adjusted to once a week.

The results of both the pre-system and short-term operations are presented in the *Summary of SVE/IBT Pre-System Start-Up Operations TM* and the *Summary of SVE/IBT 3-Month Short-Term Operations TM*.

7.0 ROUTINE MAINTENANCE

7.1 OBJECTIVES

C2 REM conducted routine system maintenance to: 1) assure that the integrity of the completed containment system is maintained; 2) reduce the probability of malfunction; 3) to provide a mechanism for early detection of system failures; 4) repair identified system failures; 5) to ensure the efficient management of OM&M activities (see Appendix F for Field Daily Reports/Completed Maintenance Forms).

7.2 COVER SYSTEM

Routine maintenance of the cover system included control of weeds, vegetation (turf height), and burrowing animals. Regularly scheduled mowing of the California grass mix on the cap and the surrounding areas has maintained the required turf height (maximum grass height of 1-foot) and helped control potential fire outbreaks by eliminating the build-up of dry grass thatch. The occurrence of burrowing animals, albeit infrequent, has been regulated via pest control companies in order to prevent damage to the cover system.

7.3 GAS COLLECTION AND TREATMENT SYSTEM

C2 REM conducted bi-monthly visual observations of the Cap Gas System's aboveground components and onsite system enclosure to identify potential maintenance requirements and/or repairs. Routine maintenance items conducted on the Cap Gas System included painting system components that regularly exhibit rust buildup, the replacement of sample ports and the change-out of carbon canisters. Additionally, during bi-monthly site visits, C2 REM monitored mechanical components of the blower motor and control unit to assure that the Cap Gas System is operating as designed and to reduce the probability of malfunction (see Appendix A). The blower motor is functioning within

the following manufacturer specifications: 1) air velocity; 2) incoming velocity; and 3) motor voltage and amperage.

7.4 SURFACE AND SUBSURFACE DRAINAGE SYSTEMS

As part of the scheduled landscape and maintenance of the site cover system, the surface and subsurface drainage systems were routinely inspected for any cracking, spalling, settlement, and/or debris build-up. C2 REM regularly cleaned the surface drainage swales and catch basins of any vegetative debris or sediment build-up. No additional maintenance or repair of the surface and subsurface drainage systems was required in 2005.

7.5 ACCESS ROAD

The gravel access road was routinely inspected for the dispersion of gravel and/or vegetation overgrowth. The access road was regularly cleared of encroaching vegetative material during scheduled landscape maintenance activities. During construction of the SVE/IBT system, the gravel area surrounding the treatment enclosure and onsite office trailer was expanded in support of these activities. No additional maintenance or repair of the existing gravel access road was required in 2006.

7.6 SECURITY AND PERIMETER FENCE

The perimeter fence was routinely inspected for damage as part of the normal property maintenance. C2 REM regularly repaired sections of the perimeter fence exhibiting breaks or structural damage in 2006. Additionally, C2 REM installed a new perimeter fence in early May 2006.

7.7 ONSITE TRAILERS

C2 REM did not identify any significant damage or vandalism during routine property maintenance in 2006.

8.0 REPAIRS

8.1 OBJECTIVES

In an effort to ensure the integrity of the implemented remedy, C2 REM regularly identified and repaired failed or nonfunctional components of the Phase I remedy pursuant to Section 10.0 of the OM&M Manual.

8.2 REQUIRED REPAIRS

The cover system as well as other systems subject to inspection and assessment did not require any significant repairs. Minor repair issues (i.e., fence repair and trailer repair) were completed as part of the routine maintenance at the Waste Pits (see Appendix F for Completed Maintenance Forms/Field Daily Reports).

9.0 CONCLUSIONS AND RECOMMENDATIONS

Following the seventh year of operation (January 2006 to December 2006), the Waste Pits are in good condition and the implemented remedy is functioning as designed. Regularly scheduled inspections, monitoring, and maintenance activities have assisted in the early identification of possible repair issues without system operation interruption. Issues that were identified (i.e., burrowing animals, sediment build-up in drainage swales, fence repair) have been rectified and to date the cover system and other associated systems are operational and functioning as designed.

In response to USEPA's request, C2 REM will continue to conduct monitoring of the perimeter wells to assess migration of contaminated vapors from beneath the cap. The current inspection requirements and bi-monthly monitoring frequency of the Cap Gas System should not be modified at this time. The cover system and the other associated systems have performed well during the seventh year of operation, and the required inspection requirements and monitoring frequency are adequate to assess whether the remedy for the Waste Pits is functioning as designed. Based on the elevation difference between the 2004 monument survey results and the baseline monument survey results (2000), the cap did not undergo any significant settlement or grade adjustments.

Survey data suggests that primary consolidation has been reached; therefore, the next monument survey event is scheduled for the year 2009. Future inspection and monitoring activities shall be conducted in accordance with the schedule provided on Table 11.0.

10.0 REFERENCES

C2 REM, *Cap Gas Collection and Treatment Baseline Monitoring and Longterm Monitoring Recommendations Report, Del Amo Waste Pits Operable Unit*, December 2000 (C2 REM, 2000a).

C2 REM, *SVE Baseline Monitoring Results & Low Flow SVE Evaluation Report, Del Amo Waste Pits Operable Unit*, May 2000 (C2 REM, 2000b).

C2 REM, *Vapor Treatment Technology FFTP Workplan, Del Amo Waste Pits Operable Unit*, January 16, 2003 (FFTP Workplan).

C2 REM, *Field Pilot Test Program Report of Findings, Del Amo Waste Pits Operable Unit*, October 2003 (FFTP Report of Findings).

C2 REM, *Bioventing Evaluation Workplan, Del Amo Waste Pits*, June 2004 (C2 REM, 2004a).

C2 REM, *Bioventing Efficiency Assessment, Bioventing Evaluation, Del Amo Waste Pits OU*, August 2, 2004 (C2 REM 2004b).

C2 REM, *Remedial Design Workplan Addendum-In Situ Bioventing Technology Assessment, Del Amo Waste Pits*, January 2005 (RD Addendum).

Dames and Moore, *Remedial Action Work Plan, Del Amo Superfund Site*, June 30, 1998 (Dames & Moore, 1998).

Parsons Engineering Science, *Operational, Maintenance, and Monitoring Manual for the Del Amo Waste Pits Operable Unit*, March 12, 1999 (OM&M Manual).

USEPA, *Administrative Order (AO) for Remedial Design, Docket No. 98-06, Del Amo Waste Pits Operable Unit*, May 5, 1998 (USEPA, 1998).

USEPA, *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit*, May 3, 1999 (USEPA, 1999).

USEPA, *Record of Decision for Del Amo Waste Pits Operable Unit*, September 1997 (USEPA, 1997).

**TABLE 1.0
COVER SYSTEM INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA**

Cover System							
Inspection Date	January 2, 2006	February 28, 2006	March 20, 2006	April 4, 2006	June 27, 2006	August 30, 2006	November 11, 2006
Inspection Type	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items							
<i>Erosion</i>	4	4	4	4	4	4	4
<i>Stressed Vegetation (Plant Die-Back)</i>	4	4	4	4	4	4	4
<i>Sediment Build-Up</i>	4	4	4	4	4	4	4
<i>Local Subsidence or Loss of Grade</i>	4	4	4	4	4	4	4
<i>Water Ponding</i>	4	4	4	4	4	4	4
<i>Turf Height</i>	4	4	4	4	4	4	4
<i>Burrowing Animals</i>	4	4	4	4	3	3	3
<i>Weeds or Undesirable Vegetation</i>	4	4	3	3	3	4	3
<i>Evidence of Fires or Vandalism</i>	4	4	4	4	4	4	4
<i>Soil Quality Check</i>	4	4	4	4	4	4	4
<i>Unauthorized Traffic</i>	4	4	4	4	4	4	4
<i>Slope Instability or Sloughing</i>	4	4	4	4	4	4	4
<i>Survey Monuments</i>	4	4	4	4	4	4	4
<i>Vertical Cracking</i>	4	4	4	4	4	3	4
<i>Intrusions</i>	4	4	4	4	4	4	4
<i>Evidence of Waste Pit Materials</i>	4	4	4	4	4	4	4

(1) Area of concern was repaired/addressed during routine property maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 2.0
CAP GAS COLLECTION TREATMENT INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Cap Gas Collection Treatment System							
Inspection Date	January 2, 2006	February 28, 2006	March 20, 2006	April 4, 2006	June 27, 2006	August 30, 2006	November 11, 2006
Inspection Type	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items							
<i>Collection System Valves</i>							
<i>Adequate Free Movement</i>	4	4	4	4	4	4	4
<i>Seals-Complete</i>	4	4	4	4	4	4	4
<i>Signs of Rust/Corrosion</i>	4	4	4	4	4	4	4
<i>Condensate Collection</i>							
<i>Air Moisture Separator</i>	4	4	4	4	4	4	4
<i>Carbon Adsorbers-Vessels</i>							
<i>Exterior Damage</i>	4	4	4	4	4	4	4
<i>FRP Grating and Mesh</i>	4	4	4	4	4	4	4
<i>Blower ⁽¹⁾</i>							
<i>General Motor Maintenance</i>	4	4	4	4	4	4	4
<i>Drive Maintenance</i>	4	4	4	4	4	4	4
<i>Bearing Maintenance</i>	4	4	4	4	4	4	4
<i>Lubrication</i>	4	4	4	4	4	4	4
<i>Structural Maintenance</i>	4	4	4	4	4	4	4
<i>Carbon Replacement</i>							
<i>Adsorber No. 1</i>	4	4	4	4	4	4	4
<i>Adsorber No. 2</i>	4	4	4	4	4	4	4

(1) Blower and motor are permanently lubricated and sealed units.

Conditions/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

**TABLE 3.0
SURFACE WATER DRAINAGE INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA**

Surface Water Drainage							
Inspection Date	January 2, 2006	February 28, 2006	March 20, 2006	April 4, 2006	June 27, 2006	August 30, 2006	November 11, 2006
Inspection Type	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items							
<i>Washouts or Erosion of Contoured Grade</i>	4	4	4	4	4	4	4
<i>Ponding on Contoured Grade</i>	4	4	4	4	4	4	4
<i>Gullies and Ruts on Contoured Grade</i>	4	4	4	4	4	4	4
<i>Plugging of Drainage Culverts ⁽¹⁾</i>	4	4	3	4	4	4	4
<i>Holes and Cracks in Swales or Catch Basins</i>	4	4	4	4	4	4	4
<i>Sediment Build-Up in Swales or Catch Basins ⁽¹⁾</i>	4	4	4	4	3	4	4
<i>Surface Cracking of Swales/Catch Basins</i>	4	4	4	4	4	4	4
<i>Spalling of Swales/Catch Basins</i>	4	4	4	4	4	4	4
<i>Structural Failure of Swales/Catch Basins</i>	4	4	4	4	4	4	4

(1) Repair/maintenance completed during routine maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 4.0
SUBSURFACE DRAINAGE INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Subsurface Drainage							
Inspection Date	January 2, 2006	February 28, 2006	March 20, 2006	April 4, 2006	June 27, 2006	August 30, 2006	November 11, 2006
Inspection Type	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items							
<i>Holes and Cracks in Swales, Catch Basin</i>	4	4	4	4	4	4	4
<i>Plugging of Drainage Inlets</i>	4	4	3	4	4	4	4
<i>Sediment Build-Up or Debris in Catch Basin</i>	3	4	4	4	3	3	4
<i>Structural Failure of Catch Basin</i>	4	4	4	4	4	4	4

Note:

Surface and subsurface drainage system components were regularly cleaned of any debris.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

**TABLE 5.0
SECURITY FENCE INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA**

Security Fence							
Inspection Date	January 2, 2006	February 28, 2006	March 20, 2006	April 4, 2006	June 27, 2006	August 30, 2006	November 11, 2006
Inspection Type	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items							
<i>Perimeter Fence</i>							
<i>Breaks and Holes</i>	3	4	4	4	3	3	4
<i>Settlement Damage</i>	4	4	4	4	4	4	4
<i>Loose Posts/Tension</i>	4	4	4	3	4	4	3
<i>Rust/Corrosion</i>	4	4	4	3	4	4	4
<i>Ruts and Burrows Beneath Fence</i>	4	4	4	4	4	3	3
<i>Vegetation Overgrowth</i>	4	4	4	4	4	4	4
<i>General Signs of Deterioration</i>	3	4	4	3	4	4	4
<i>Vandalism/Animal/Wind Damage</i>	4	4	4	4	4	3	4
<i>Gates</i>							
<i>Adequate Movement of Hinges and Gates</i>	4	4	4	4	4	3	4
<i>Proper Function of Lock(s)</i>	4	4	4	4	4	4	4

(1) Repair completed during routine maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

**TABLE 6.0
ACCESS ROAD INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA**

Access Road							
Inspection Date	January 2, 2006	February 28, 2006	March 20, 2006	April 4, 2006	June 27, 2006	August 30, 2006	November 11, 2006
Inspection Type	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items							
<i>Holes and Cracks</i>	4	4	4	4	4	4	4
<i>Vegetation Overgrowth</i>	4	3	3	3	4	3	3
<i>Settlement</i>	4	4	4	4	4	4	4
<i>Excessive Dispersion of Gravel</i>	4	4	3	3	4	3	3
<i>General Signs of Deterioration</i>	4	4	4	4	4	4	4

(1) Repair completed during routine maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 7.0
2005 MONUMENT SURVEY RESULTS
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

BASELINE COORDINATES (01/27/00)				MONITORING DATE (1/10/05)			ELEVATION DIFFERENCE (ft.)
ID NO	NORTHING	EASTING	ELEVATION (ft. above MSL)	NORTHING	EASTING	ELEVATION (ft. above MSL)	
S-1	56646.97	199287.31	39.76	56646.95	199287.29	39.84	+0.08
S-2	56646.99	199102.66	40.6	56646.97	199102.62	40.67	+0.07
S-3	56631.70	198929.44	41.42	56631.70	198929.41	41.42	0.00
S-4	56631.66	198876.96	41.55	56631.64	198876.94	41.45	-0.10
S-5	56631.73	198807.17	42.47	56631.72	198807.13	42.42	-0.05
S-6	56631.72	198760.02	43.05	56631.74	198759.96	42.98	-0.07
S-7	56631.85	198722.09	43.40	56631.86	198722.09	43.41	+0.01
S-8	56631.59	198688.12	43.72	56631.60	198688.09	43.74	+0.02
Monument 1	56740.04	198884.47	36.44	56740.04	198884.47	36.44	0.00
Monument 2	56474.06	199620.03	*	56474.06	199620.03	*	*

* Elevation of Monument No. 2 is not available.

TABLE 8.0
2006 BI-MONTHLY CAP GAS SYSTEM MONITORING RESULTS
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Date	System Influent VOCs (ppm)	Effluent Lead Carbon Vessel VOCs (ppm)	Effluent Secondary Carbon Vessel VOCs (ppm)	System Effluent VOCs (ppm)	System Efficiency Based on PID Readings
1/12/2006	1.2	1	1.7	0.9	25%
1/26/2006	0.2	0.2	0.1	0.1	50%
2/9/2006	0.6	0.5	0.5	0.3	50%
2/22/2006	0.4	0.2	0.3	0.3	25%
3/9/2006	0.5	0.1	0.3	0.1	80%
5/5/2006	0.8	1.3	1.8	1.7	-113%
5/22/2006	0.4	0.2	0.3	0.1	75%
6/16/2006	1.6	1.1	1.1	0.8	50%
6/29/2006	2.3	0.7	0.8	0.7	70%
7/6/2006	2.9	1.1	1.2	1.1	62%
7/17/2006	8.8	3.4	5.2	1.7	81%
8/10/2006	5.5	2.6	2.8	1.5	73%
8/25/2006	9.6	12.2	9.5	0.7	93%
9/7/2006	0.5	0	1.3	0	100%
9/21/2006	6.5	3.1	5.5	1.2	82%
10/4/2006	1.2	1.2	0.8	0.9	25%
10/19/2006	3.1	2.1	2	0.5	84%
11/2/2006	7	4.2	2.9	0.1	99%
11/15/2006	6.6	3.0	2.6	0.3	95%
11/30/2006	1	1.0	0.8	0.4	60%
12/14/2006	0.5	1.2	0.9	0.0	100%
12/29/2006	25.6	15.7	14.0	2.2	91%

* System had not been turned on for several weeks prior to 5/5/2006 due to SVE/IBT construction.

(1) Readings taken with a PID calibrated to 50 ppm benzene.

TABLE 9.0
SVE PERIMETER WELL PURGE VOLUME
DEL AMO WASTE PITS
LOS ANGELES, CALIFORNIA

Perimeter Monitoring Well ID	Depth (ft bgs)	Screen interval (ft)	Radius of casing (ft)	Radius of annulus (ft)	Soil porosity	Annulus Volume (ft ³)	Casing Volume (ft ³)	Pore Volume (ft ³)	Volume Required for Purging (ft ³)
A	23.6	5	0.0208	0.0729	0.3	0.03	0.03	0.06	0.17
B	17.6	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.15
C	17.3	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.15
D	16.9	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
E	15.9	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
F	15.7	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
G	14.3	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
H	14.1	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
I	13.1	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
J	15.2	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
K	13.7	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
L	10.7	5	0.0208	0.0729	0.3	0.03	0.01	0.04	0.12

**TABLE 10.0
PERIMETER WELL VOC CONCENTRATIONS
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA**

	WELL ID	A	B	C	D	E	F	G	H	I	J	K	L
	8/8/2006 ⁽¹⁾	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.2	0.5	0.1	0.0	0.2
	8/9/2006 ⁽¹⁾	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.3
	8/10/2006 ⁽¹⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8/11/2006 ⁽¹⁾	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8/14/2006 ⁽¹⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8/15/2006 ⁽¹⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	0.0
	8/16/2006 ⁽¹⁾	0.0	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8/17/2006 ⁽¹⁾	0.1	0.9	0.2	0.1	0.3	0.1	0.0	0.2	0.0	0.0	0.1	0.6
	8/18/2006 ⁽¹⁾	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.3	0.5	0.4
	10/17/2006 ⁽²⁾	ND	ND	ND	0.0018	ND	ND	0.0034	ND	ND	ND	0.0011	ND

(1) Field samples taken during early stages of SVE/IBT operation and troubleshooting.

(2) Data illustrated are field instrumentation readings with the exception of 10/17/06, which is lab data obtained during the 3rd Quarterly monitoring event.

TABLE 11.0
PROPOSED MONITORING AND INSPECTION ACTIVITIES
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

EVENT	FREQUENCY	METHOD OF DOCUMENTATION
Cover System	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Cover System Inspection Form
Cap Gas Collection and Treatment System	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Cap Gas System Inspection Form
Surface Water Drainage System	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Surface Water Drainage Inspection Form
Subsurface Drainage Systems	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Subsurface Drainage Inspection Form
Security Fences	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Security Fence Inspection Form
Access Road	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Access Road Inspection Form
SVE Perimeter Well Monitoring Event	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Perimeter Soil-Vapor Monitoring Form
Cap Gas Collection and Treatment System Monitoring	Bi-monthly	Cap Gas System Monitoring Form
Monument Survey Event	Once every 5 years ⁽²⁾	Monument Survey Record
Repairs	As Required	Maintenance/Corrective Work Report

(1) Defined as precipitation events with intensity exceeding 1.0 inches over a 24-hour period.

(2) Next scheduled monument survey event to be conducted in the year 2009.

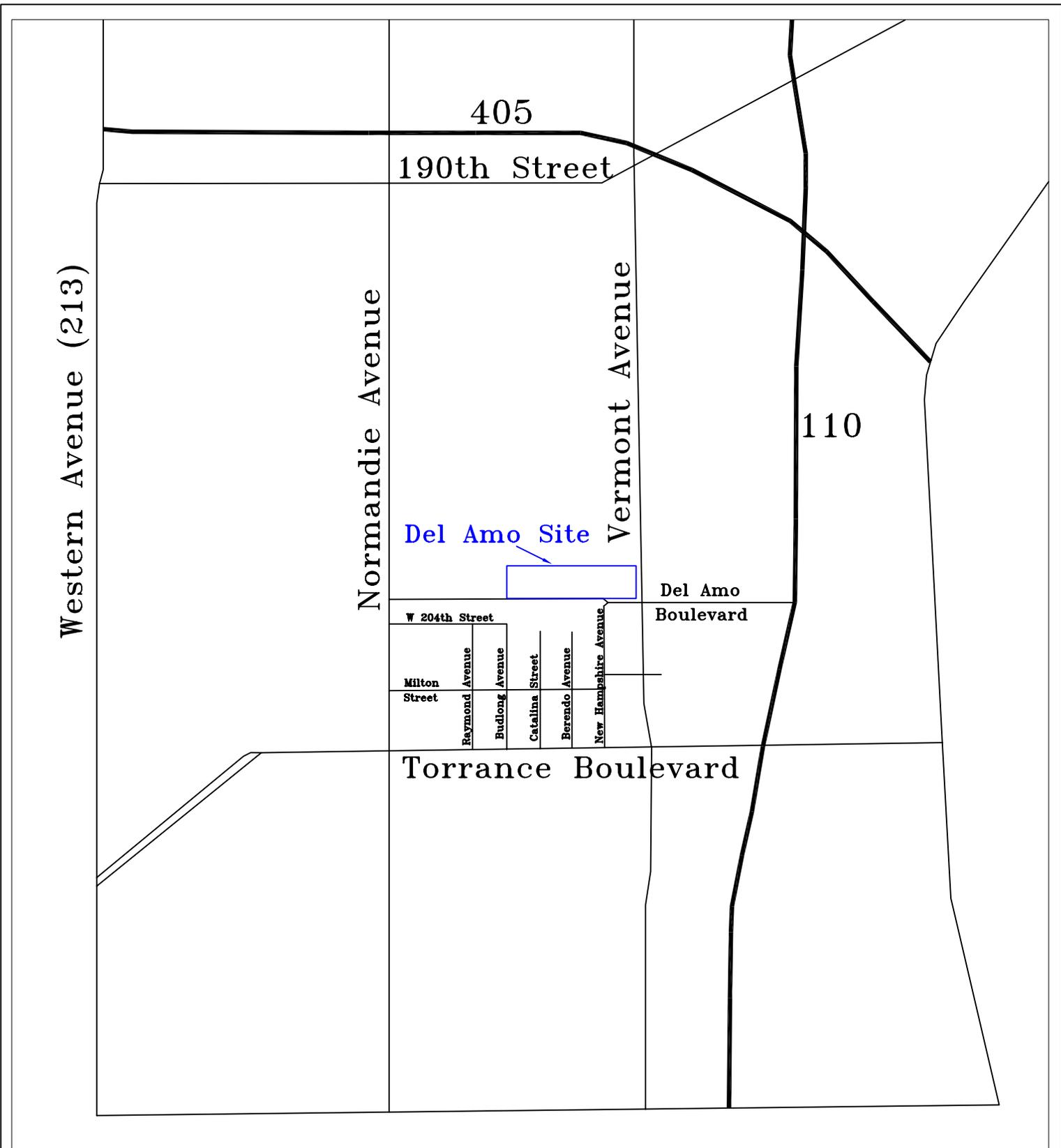


Figure 1.0
 Site Vicinity Map
 Del Amo Waste Pits OU
 Los Angeles, California

DATE: 01.05.05	PROJECT NO: 97-101	REV: 01
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 AND DEVELOPMENT COMPANY**
 NEWPORT BEACH, CALIFORNIA 949.261.8098

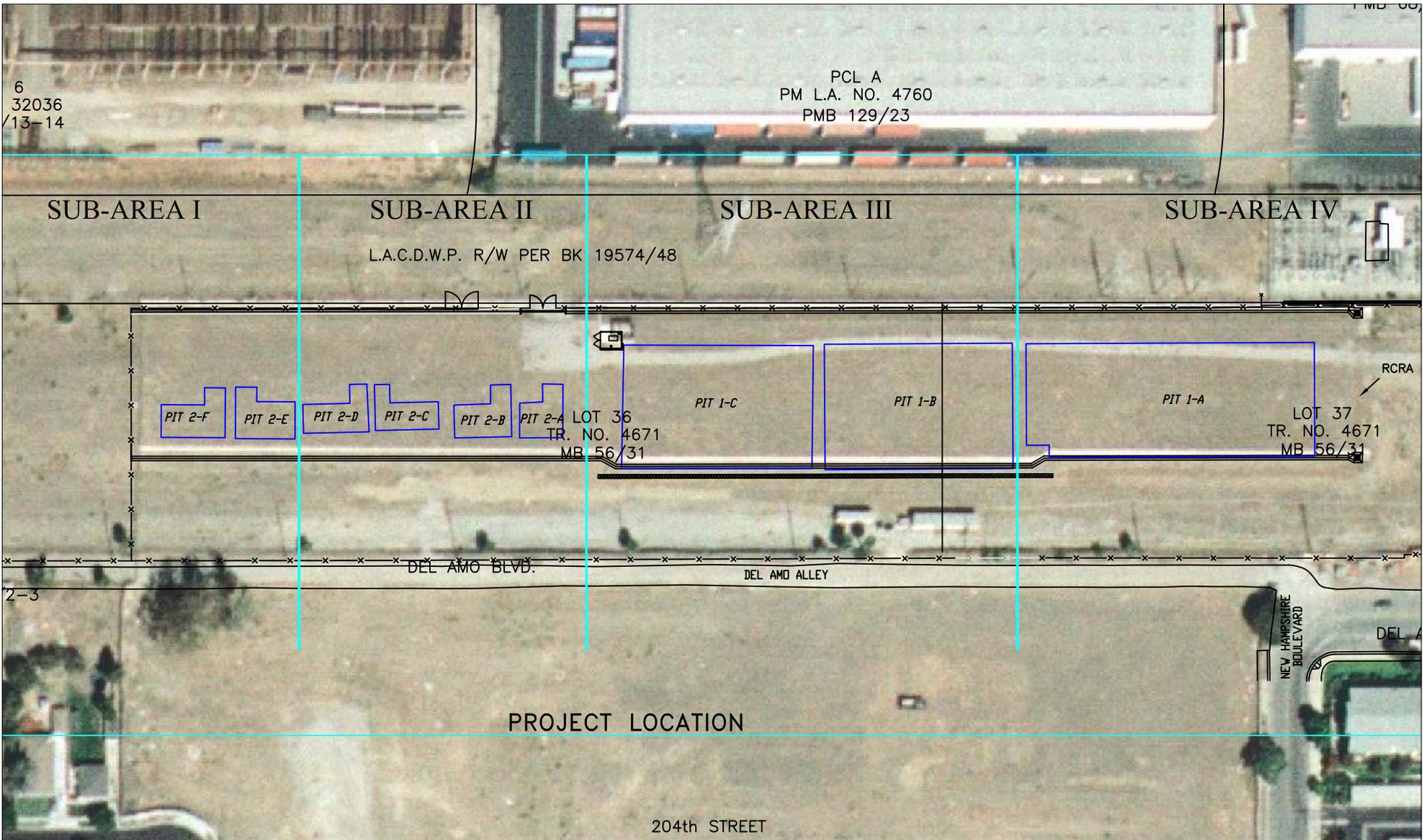
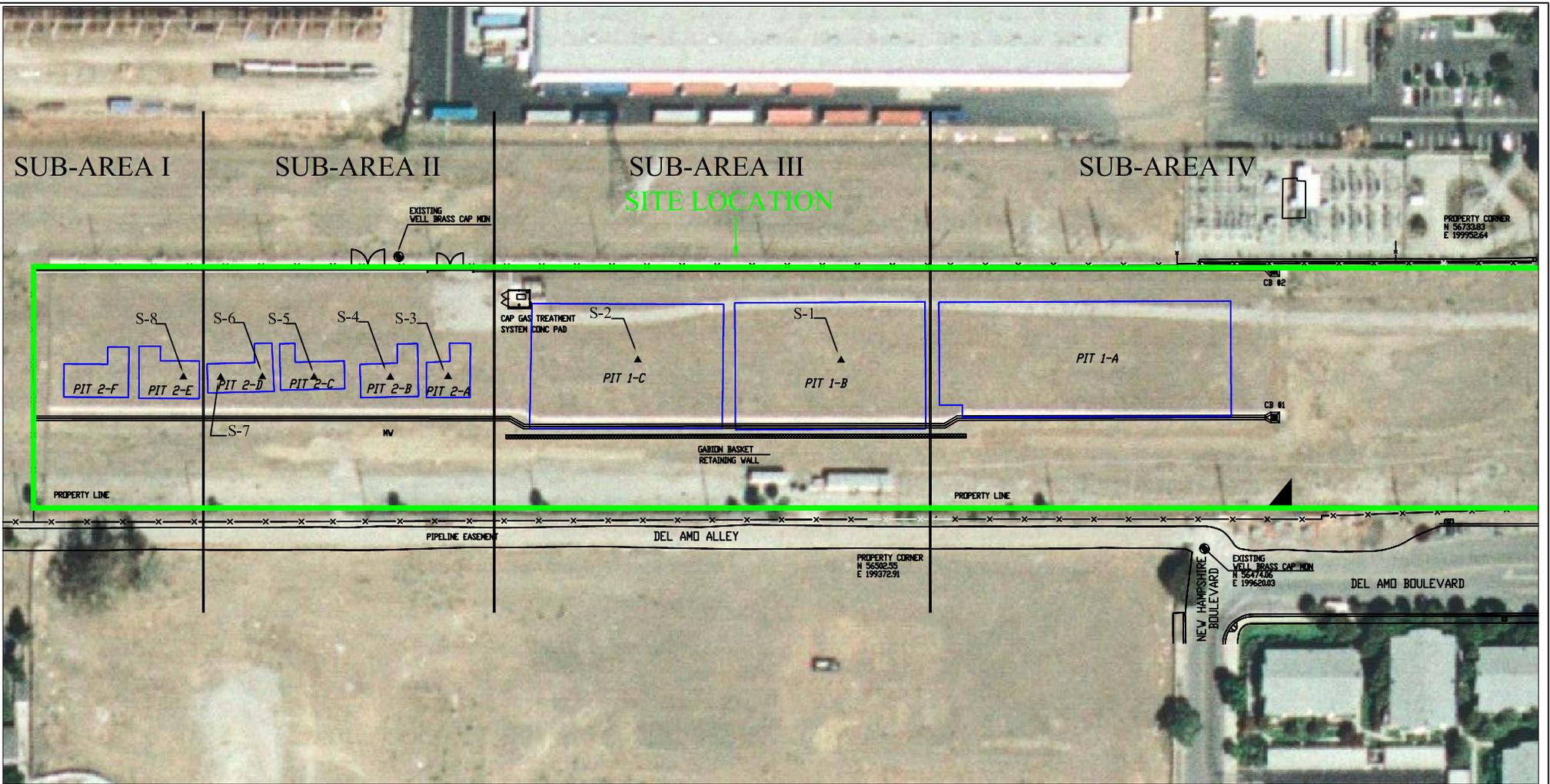


Figure 2.0
 Property Boundary Map
 Del Amo Waste Pits OU
 Los Angeles, California

DATE: 01.05.05	PROJECT NO: 97-101	REV: 01
----------------	--------------------	---------



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Reference: Final Design Report Drawings - Appendix C, Parsons Engineering Science, April 9, 1999

LEGEND

- Pit 1-C Estimated Extent of Subsurface Impoundment
- Site Location
- Sub-Area Delineations
- Survey Monument Marker
- Existing Monument Marker



**FIGURE 3.0
MONUMENT SURVEY
LOCATION MAP**



DEL AMO WASTE PITS OU
AN ENVIRONMENTAL MANAGEMENT
& DEVELOPMENT COMPANY
 NEWPORT BEACH, CALIFORNIA 949.261.8098

Figure 4.0
Cap Gas Treatment System
2006 Bi-monthly Monitoring Results (Influent vs. Effluent)
Del Amo Waste Pits OU
Los Angeles, California

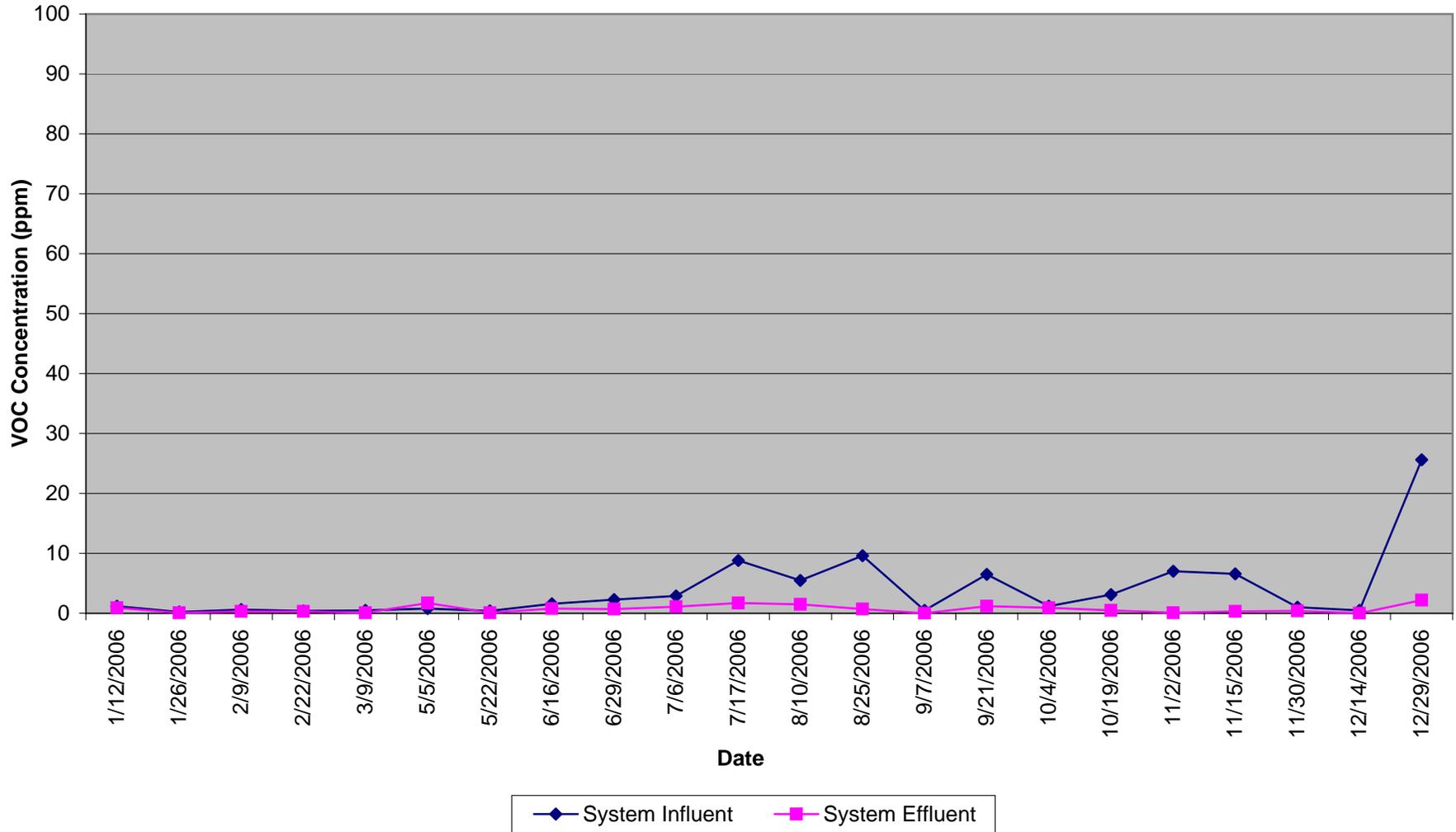
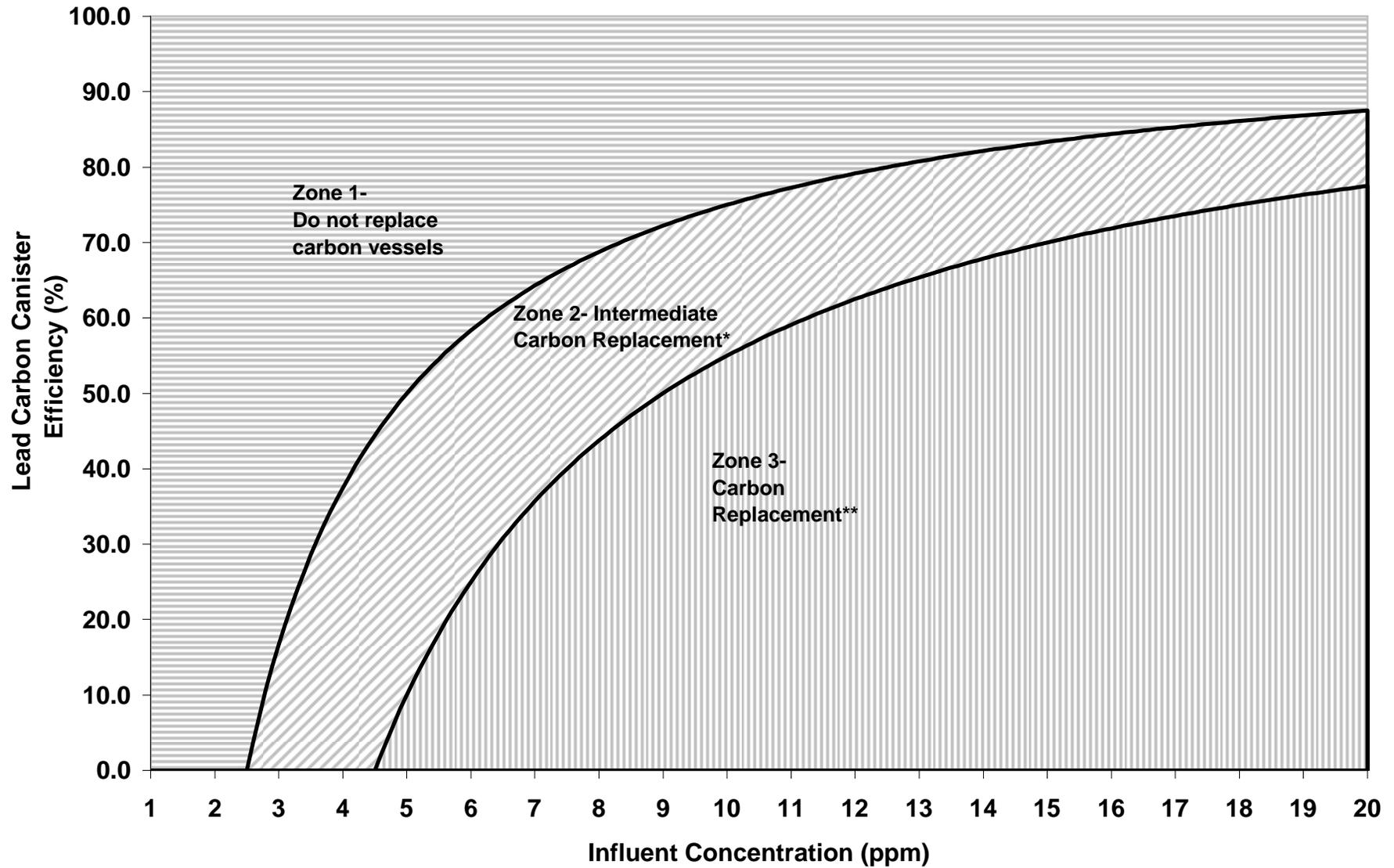


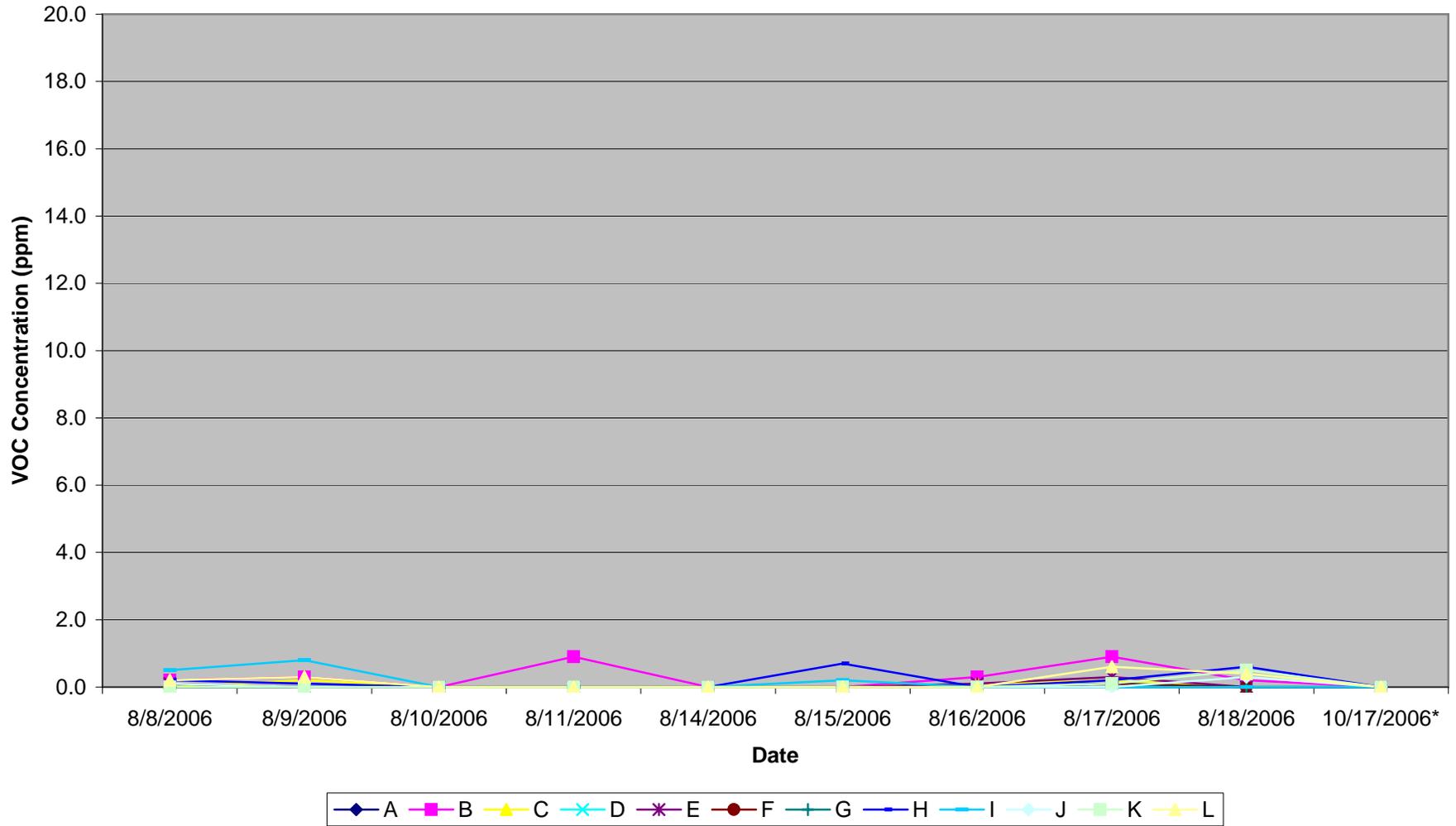
Figure 5.0
Carbon Replacement Protocol
Del Amo Waste Pits OU
Los Angeles, California



* Two consecutive monitoring results within this zone indicate carbon vessel replacement

** One monitoring result within this zone indicates carbon vessel replacement

Figure 6.0
Perimeter Well Monitoring Results
Del Amo Waste Pits OU
Los Angeles, California



* Data illustrated are field instrumentation readings with the exception of 10/17/06, which is lab data obtained during the 3rd Quarterly monitoring event.



2006 INSPECTION FORMS

**DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM**

Completed By: RYAN TEOXON, JEREMY TOUCHY
 Title: FIELD TECHNICIAN

Sheet 1 of 6

Date: 1/7/2006

Time: _____

Verified By: _____
 Title: _____

Date: _____

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾ (✓) After Heavy Rain⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	✓
2. Stressed Vegetation (Plant Die-Back)	✓
3. Sediment Build-Up	✓
4. Local Subsidence or Loss of Grade	✓
5. Water Ponding	✓
6. Turf Height	✓
7. Burrowing Animals	✓
8. Weeds or Undesirable Vegetation	✓
9. Evidence of Fires or Vandalism	✓
10. Soil Quality Check	✓
11. Unauthorized Traffic	✓
12. Slope Instability or Sloughing	✓
13. Survey Monuments	✓
14. Vertical Cracking	✓
15. Intrusions	✓
16. Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: RYAN TEOXON, JEREMY TOUCHY

Sheet 2 of 6

Title: FIELD TECHNICIAN

Date: 1/2/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

- () Monthly () Semi-Annual
() Other (explain) _____
() Heavy Rain _____

Collection System Valves

1. Adequate-Free Movement ✓
2. Seals - Complete ✓
3. Signs of Rust/Corrosion ✓

Condensate Collection⁽¹⁾

Comments/Corrective Action

4. Air Moisture Separator ✓

Carbon Adsorbers

5. Vessels _____
- Exterior Damage ✓
- FRP Grating and Mesh ✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

**DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM**

- | | | |
|----|-----------------------------|---|
| 6. | Blower | |
| | - General Motor Maintenance | ✓ |
| | - Drive Maintenance | ✓ |
| | - Bearing Maintenance | ✓ |
| | - Lubrication | ✓ |
| | - Structural Maintenance | ✓ |

Recommendations for maintenance or repair (attach additional sheets as needed):

**DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM**

Completed By: RYAN TEIXON, JEREMY TOUCHY

Sheet 3 of 6

Title: FIELD TECHNICIAN

Date: 1/2/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

- Quarterly After Seismic Event⁽¹⁾ After Heavy Rain⁽²⁾
 Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
<u>Access Road</u>	
1. Holes and Cracks	✓
2. Vegetation Overgrowth	✓
3. Settlement	✓
4. Excessive Dispersion of Gravel	✓
5. General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM

Completed By: RYAN TEOKON, JEREMY TOUCHY
Title: FIELD TECHNICIAN

Sheet 4 of 6
Date: 1/2/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Inspection (check only one):

- () Quarterly
() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

Perimeter Fence

- | | |
|-----------------------------------|-------------------------------|
| 1. Breaks and Holes | HOLES/BREAKS SOUTH FENCE
✓ |
| 2. Settlement Damage | ✓ |
| 3. Loose Posts/Tension | ✓ |
| 4. Rust/Corrosion | ✓ |
| 5. Ruts and Burrows Beneath Fence | ✓ |
| 6. Vegetation Overgrowth | ✓ |
| 7. General Signs of Deterioration | SOUTH FENCE |
| 8. Vandalism/Animal/Wind Damage | ✓ |

Gates

- | | |
|--|---|
| 9. Adequate Movement of Hinges and Gates | ✓ |
| 10. Proper Function of Lock(s) | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

CALL GARY @ ALL PRO FENCING TO HAVE THEM FIX HOLES + BREAKS
IN FENCE

DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: RYAN TEOKON, JEREMY TOUCHY

Sheet 5 of 6

Title: FIELD TECHNICIAN

Date: 1/2/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

Semi-annual

Heavy Rainfall⁽²⁾

Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	<u>✓</u>
2. Plugging of Drainage Inlets	<u>✓</u>
3. Sediment Build-Up or Debris in Catch Basin	<u>SOME DEBRIS</u>
4. Structural Failure of Catch Basin	<u>✓</u>

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

MANVALLY CLEAR OUT DEBRIS (SWEEP DRAIN)

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU
SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RYAN TEOXON, JEREMY TOUCHY
 Title: FIELD TECHNICIAN

Sheet 6 of 6
 Date: 1/12/2006
 Time: _____
 Date: _____

Verified By: _____
 Title: _____

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾
 (✓) Other (explain) POST RAINFALL

<u>Item Description</u>	<u>Condition*/Remarks</u>
SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾	
1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

⁽¹⁾ Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
⁽²⁾ Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM

Completed By: RYAN TEXON

Sheet 1 of 6

Title: FIELD TECHNICIAN

Date: 2/28/2006

Time: 2:15 PM

Verified By: Audrey Cohen

Date: 3/03/2006

Title: Project Engineer

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾ (✓) After Heavy Rain⁽²⁾
() Other (explain) _____

Item Description

Condition*/Remarks

Access Road

- | | | |
|----|--------------------------------|-------|
| 1. | Holes and Cracks | ✓ |
| 2. | Vegetation Overgrowth | WEEDS |
| 3. | Settlement | ✓ |
| 4. | Excessive Dispersion of Gravel | ✓ |
| 5. | General Signs of Deterioration | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: RYAN TEIXON

Sheet 2 of 6

Title: FIELD TECHNICIAN

Date: 7/28/2006

Time: _____

Verified By: Audrey Cobis

Date: 3/03/2006

Title: Project Engineer

Type of Inspection (check only one):

- Monthly Semi-Annual
- Other (explain) _____
- Heavy Rain _____

Collection System Valves

- 1. Adequate-Free Movement ✓
- 2. Seals - Complete ✓
- 3. Signs of Rust/Corrosion ✓

Condensate Collection⁽¹⁾

Comments/Corrective Action

- 4. Air Moisture Separator ✓

Carbon Adsorbers

- 5. Vessels ✓
 - Exterior Damage ✓
 - FRP Grating and Mesh ✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

**DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM**

6. Blower

- General Motor Maintenance
- Drive Maintenance
- Bearing Maintenance
- Lubrication
- Structural Maintenance

✓

✓

✓

✓

✓

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM

Completed By: RYAN TEOXON
Title: FIELD TECHNICIAN

Sheet 3 of 6
Date: 2/28/2006
Time: _____

Verified By: Audrey Cahalk
Title: Project Engineer

Date: 03/03/2006

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾ (✓) After Heavy Rain⁽²⁾
() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	✓
2. Stressed Vegetation (Plant Die-Back)	✓
3. Sediment Build-Up	✓
4. Local Subsidence or Loss of Grade	✓
5. Water Ponding	✓
6. Turf Height	✓
7. Burrowing Animals	✓
8. Weeds or Undesirable Vegetation	✓
9. Evidence of Fires or Vandalism	✓
10. Soil Quality Check	✓
11. Unauthorized Traffic	✓
12. Slope Instability or Sloughing	✓
13. Survey Monuments	✓
14. Vertical Cracking	✓
15. Intrusions	✓
16. Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM

Completed By: RYAN TEOLON
Title: FIELD TECHNICIAN

Sheet 4 of 6
Date: 2/28/2006
Time: _____

Verified By: Needham Cobble
Title: Project Engineer

Date: 3/03/2006

Type of Inspection (check only one):

Quarterly

Other (explain) HEAVY RAIN

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

Perimeter Fence

- | | | |
|----|--------------------------------|---|
| 1. | Breaks and Holes | ✓ |
| 2. | Settlement Damage | ✓ |
| 3. | Loose Posts/Tension | ✓ |
| 4. | Rust/Corrosion | ✓ |
| 5. | Ruts and Burrows Beneath Fence | ✓ |
| 6. | Vegetation Overgrowth | ✓ |
| 7. | General Signs of Deterioration | ✓ |
| 8. | Vandalism/Animal/Wind Damage | ✓ |

Gates

- | | | |
|-----|---------------------------------------|---|
| 9. | Adequate Movement of Hinges and Gates | ✓ |
| 10. | Proper Function of Lock(s) | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: RYAN TEOKOH

Sheet 5 of 6

Title: FIELD TECHNICIAN

Date: 2/28/2006

Time: _____

Verified By: Audrey Cohen

Date: 3/03/2006

Title: Project Engineer

Type of Inspection (check only one):

- () Semi-annual
 Heavy Rainfall⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU
SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RYAN TEONON
 Title: FIELD TECHNICIAN

Sheet 6 of 6

Date: 2/28/2006

Time: _____

Verified By: Neelley Cebasi
 Title: Project Engineer

Date: 03/03/2006

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾
 Other (explain) HEAVY RAIN

<u>Item Description</u>	<u>Condition*/Remarks</u>
SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾	
1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU
SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RYAN TEORON
 Title: FIELD TECH

Sheet 1 of 6

Date: 3/20/2006

Time: _____

Verified By: _____
 Title: _____

Date: _____

Type of Inspection (check only one):

Quarterly () After Seismic Event⁽¹⁾

() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾

1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	MINOR PLUGGING
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

MANUALLY CLEAR DRAIN

⁽¹⁾ Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
⁽²⁾ Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: RYAN TEOXON

Sheet 2 of 6

Title: FIELD TECH

Date: 3/20/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

() Semi-annual

() Heavy Rainfall⁽²⁾

() Other (explain) QUARTERLY INSPECTION

<u>Item Description</u>	<u>Condition*/Remarks</u>
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	SLIGHT PLUGGING
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

MANUALLY CLEAR DRAINAGE INLET

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

**DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM**

Completed By: RYAN TEXON

Sheet 3 of 6

Title: FIELD TECH

Date: 3/20/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾

() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	✓
2. Stressed Vegetation (Plant Die-Back)	✓
3. Sediment Build-Up	✓
4. Local Subsidence or Loss of Grade	✓
5. Water Ponding	✓
6. Turf Height	✓
7. Burrowing Animals	✓
8. Weeds or Undesirable Vegetation	WEEDS FOUND ON ACCESS ROAD
9. Evidence of Fires or Vandalism	✓
10. Soil Quality Check	✓
11. Unauthorized Traffic	✓
12. Slope Instability or Sloughing	✓
13. Survey Monuments	✓
14. Vertical Cracking	✓
15. Intrusions	✓
16. Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

MANUALLY OR USE WEED KILLER TO GET RID OF WEEDS

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

**DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM**

Completed By: RYAN TEOXDON

Sheet 4 of 6

Title: FIELD TECH

Date: 3/20/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾

() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
<u>Access Road</u>	
1. Holes and Cracks	✓
2. Vegetation Overgrowth	<u>WEEDS ON ACCESS ROAD</u>
3. Settlement	✓
4. Excessive Dispersion of Gravel	<u>AT THE ENTRANCE (EAST)</u>
5. General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- USE WEED KILLER OR MANUALLY GET RID OF WEEDS

- CONTACT ALL PRO FENCING TO COORDINATE POORING OF A CONCRETE PAD @ THE EAST ENTRANCE

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: RYAN TEORON

Sheet 5 of 6

Title: FIELD TECH

Date: 3/20/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

- Monthly Semi-Annual
 Other (explain) QUARTERLY INSPECTION
 Heavy Rain _____

Collection System Valves

- | | |
|----------------------------|----------|
| 1. Adequate-Free Movement | <u>✓</u> |
| 2. Seals - Complete | <u>✓</u> |
| 3. Signs of Rust/Corrosion | <u>✓</u> |

Condensate Collection⁽¹⁾

Comments/Corrective Action

- | | |
|---------------------------|----------|
| 4. Air Moisture Separator | <u>✓</u> |
|---------------------------|----------|

Carbon Adsorbers

- | | |
|------------------------|----------|
| 5. Vessels | _____ |
| - Exterior Damage | <u>✓</u> |
| - FRP Grating and Mesh | <u>✓</u> |

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

**DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM**

- | | | |
|----|-----------------------------|---|
| 6. | Blower | ✓ |
| | - General Motor Maintenance | ✓ |
| | - Drive Maintenance | ✓ |
| | - Bearing Maintenance | ✓ |
| | - Lubrication | ✓ |
| | - Structural Maintenance | ✓ |

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM

Completed By: RYAN TEORON
Title: FIELD TECH

Sheet 6 of 6
Date: 3/20/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Inspection (check only one):

- Quarterly
 Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
<u>Perimeter Fence</u>	
1. Breaks and Holes	<u>✓</u>
2. Settlement Damage	<u>✓</u>
3. Loose Posts/Tension	<u>✓</u>
4. Rust/Corrosion	<u>✓</u>
5. Ruts and Burrows Beneath Fence	<u>✓</u>
6. Vegetation Overgrowth	<u>✓</u>
7. General Signs of Deterioration	<u>✓</u>
8. Vandalism/Animal/Wind Damage	<u>✓</u>
<u>Gates</u>	
9. Adequate Movement of Hinges and Gates	<u>✓</u>
10. Proper Function of Lock(s)	<u>✓</u>

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

- | | | |
|----|-----------------------------|-------------|
| 6. | Blower | _____ |
| | - General Motor Maintenance | _____X_____ |
| | - Drive Maintenance | _____X_____ |
| | - Bearing Maintenance | _____X_____ |
| | - Lubrication | _____X_____ |
| | - Structural Maintenance | _____X_____ |

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM

Completed By: RT, IV Sheet 3 of 7
 Title: FLEW TECH/ENGINEER Date: 4/4/2006
 Verified By: Audrey Cahala Time: _____
 Title: Project Engineer Date: 4/5/2006

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾ (✓) After Heavy Rain⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
<u>Access Road</u>	
1. Holes and Cracks	X
2. Vegetation Overgrowth	WEED OVERGROWTH
3. Settlement	X
4. Excessive Dispersion of Gravel	AT EAST ENTRANCE
5. General Signs of Deterioration	X

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

PULL WEEDS
 ASPHALT @ ENTRANCE

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

**DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM**

Completed By: RT, IV
Title: FIELD TECH/ENGINEER

Sheet 4 of 7
Date: 4/4/2006

Verified By: Audrey Cohen
Title: Project Engineer

Time: _____
Date: 4/5/2006

Type of Inspection (check only one):

- () Quarterly () After Seismic Event⁽¹⁾ (✓) After Heavy Rain⁽²⁾
() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	X
2. Stressed Vegetation (Plant Die-Back)	X
3. Sediment Build-Up	X
4. Local Subsidence or Loss of Grade	X
5. Water Ponding	X
6. Turf Height	X
7. Burrowing Animals	X
8. Weeds or Undesirable Vegetation	WEEDS
9. Evidence of Fires or Vandalism	X
10. Soil Quality Check	X
11. Unauthorized Traffic	X
12. Slope Instability or Sloughing	X
13. Survey Monuments	X
14. Vertical Cracking	X
15. Intrusions	X
16. Evidence of Waste Pit Materials	X

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

WEED KILLER

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM

Completed By: RT, TY
Title: FIELD TECH / ENGINEER

Sheet 5 of 7
Date: 4/4/2006
Time: _____

Verified By: Audrey Cebais
Title: Project Engineer

Date: 4/5/2006

Type of Inspection (check only one):

- () Quarterly
() Other (explain) HEAVY RAINFALL

<u>Item Description</u>	<u>Condition*/Remarks</u>
<u>Perimeter Fence</u>	
1. Breaks and Holes	<u>X</u>
2. Settlement Damage	<u>X</u>
3. Loose Posts/Tension	<u>LOOSE POSTS AND TORN BARB WIRE</u>
4. Rust/Corrosion	<u>MINOR RUST</u>
5. Ruts and Burrows Beneath Fence	<u>X</u>
6. Vegetation Overgrowth	<u>X</u>
7. General Signs of Deterioration	<u>MINOR</u>
8. Vandalism/Animal/Wind Damage	<u>X</u>
<u>Gates</u>	
9. Adequate Movement of Hinges and Gates	<u>X</u>
10. Proper Function of Lock(s)	<u>X</u>

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

HAVE ALL PRO FENCING REPLACE THE PERIMETER FENCE

DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: RT, I/I

Sheet 6 of 7

Title: FIELD TECH/ENGINEER

Date: 4/4/2006

Time: _____

Verified By: Andrew Cahill

Date: 4/5/2006

Title: Project Engineer

Type of Inspection (check only one):

Semi-annual

Heavy Rainfall⁽²⁾

Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	<u>X</u>
2. Plugging of Drainage Inlets	<u>X</u>
3. Sediment Build-Up or Debris in Catch Basin	<u>X</u>
4. Structural Failure of Catch Basin	<u>X</u>

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RT/IT
 Title: FIELD TECH/ENGINEER

Sheet 7 of 7
 Date: 4/4/2006

Verified By: Audrey Cohen
 Title: Project Engineer

Time: _____
 Date: 4/5/2006

Type of Inspection (check only one):

- Quarterly After Seismic Event⁽¹⁾
 Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾

1. Washouts or Erosion of Contoured Grade	X
2. Ponding on Contoured Grade	X
3. Gullies and Ruts on Contoured Grade	X
4. Plugging of Drainage Culverts	X
5. Holes and Cracks in Swales or Catch Basins	X
6. Sediment Build-Up in Swales or Catch Basin	X
7. Surface Cracking of Swales/Catch Basins	X
8. Spalling of Swales/Catch Basins	X
9. Structural Failure of Swales/Catch Basins	X

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

⁽¹⁾ Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
⁽²⁾ Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM

Completed By: Ian Yusko
Title: Project Engineer

Sheet 1 of 6
Date: 06/29/06
Time: 3:00 p.m.
Date: _____

Verified By: Ryan Teixon
Title: Project Engineer

Type of Inspection (check only one):

Quarterly

Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

Perimeter Fence

- | | |
|---|---|
| 1. Breaks and Holes | ONE BREAK IN NORTH WEST CORNER OF FENCE |
| 2. Settlement Damage | ✓ |
| 3. Loose Posts/Tension | ✓ |
| 4. Rust/Corrosion | ✓ |
| 5. Ruts and Burrows Beneath Fence | ✓ |
| 6. Vegetation Overgrowth | ✓ |
| 7. General Signs of Deterioration | ✓ |
| 8. Vandalism/ <u>Animal</u> Wind Damage | ✓ |

Gates

- | | |
|--|---|
| 9. Adequate Movement of Hinges and Gates | ✓ |
| 10. Proper Function of Lock(s) | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

**DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM**

Completed By: Ian Yusko

Sheet 2 of 6

Title: Project Engineer

Date: 06/27/06

Time: 3:00 p.m.

Verified By: Ryan Teoxon

Date: _____

Title: Project Engineer

Type of Inspection (check only one):

Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾

() Other (explain) _____

Item Description

Condition*/Remarks

Access Road

1.	Holes and Cracks	✓
2.	Vegetation Overgrowth	✓
3.	Settlement	✓
4.	Excessive Dispersion of Gravel	✓
5.	General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenanc or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: Ian Yusko

Sheet 3 of 6

Title: Project Engineer

Date: 06/27/06

Time: 3:00 p.m.

Verified By: Ryan Teoxon

Date: _____

Title: Project Engineer

Type of Inspection (check only one):

Monthly Semi-Annual

Other (explain) Quarterly

Heavy Rain _____

Collection System Valves

- | | |
|----------------------------|----------|
| 1. Adequate-Free Movement | <u>✓</u> |
| 2. Seals - Complete | <u>✓</u> |
| 3. Signs of Rust/Corrosion | <u>✓</u> |

Condensate Collection⁽¹⁾

Comments/Corrective Action

- | | |
|---------------------------|----------|
| 4. Air Moisture Separator | <u>✓</u> |
|---------------------------|----------|

Carbon Adsorbers

- | | |
|------------------------|----------|
| 5. Vessels | <u>✓</u> |
| - Exterior Damage | <u>✓</u> |
| - FRP Grating and Mesh | <u>✓</u> |

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

**DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM**

Completed By: Tan Yusko

Sheet 4 of 6

Title: Project Engineer

Date: 06/27/06

Time: 3:00 pm

Verified By: Ryan Teoxon

Date: _____

Title: Project Engineer

Type of Inspection (check only one):

Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾

() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	✓
2. Stressed Vegetation (Plant Die-Back)	✓
3. Sediment Build-Up	✓
4. Local Subsidence or Loss of Grade	✓
5. Water Ponding	✓
6. Turf Height	✓
7. Burrowing Animals	INCREASED INCIDENCE OF BURROWING AN.
8. Weeds or Undesirable Vegetation	NEEDS ALONG DRAINAGE
9. Evidence of Fires or Vandalism	✓
10. Soil Quality Check	✓
11. Unauthorized Traffic	✓
12. Slope Instability or Sloughing	✓
13. Survey Monuments	✓
14. Vertical Cracking	✓
15. Intrusions	✓
16. Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

CONTACT TERMINIX TO CHECK ON STATUS OF TREATMENT
CONTACT AVENUE 2 TO CLEAR WEEDS

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

**DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM**

Completed By: Ian Yusko

Sheet 5 of 6

Title: Project Engineer

Date: 06/27/06

Time: 3:00 pm

Verified By: Ryan Teoxon

Date:

Title: Project Engineer

Type of Inspection (check only one):

- () Semi-annual
- () Heavy Rainfall⁽²⁾
- () Other (explain) Quarterly

<u>Item Description</u>	<u>Condition*/Remarks</u>
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	<input checked="" type="checkbox"/>
2. Plugging of Drainage Inlets	<input checked="" type="checkbox"/>
3. Sediment Build-Up or Debris in Catch Basin	SOME SEDIMENT
4. Structural Failure of Catch Basin	<input checked="" type="checkbox"/>

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

MANUALLY CLEAR SEDIMENT

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
- (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU
SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Ian Yusko
 Title: Project Engineer

Sheet 6 of 6
 Date: 06/27/06
 Time: 3:00 pm
 Date: _____

Verified By: Ryan Teoxon
 Title: Project Engineer

Type of Inspection (check only one):

- Quarterly () After Seismic Event⁽¹⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾	
1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	SOME AREAS OF SEDIMENT
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

MANUALLY CLEAR SEDIMENT

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: RYAN TEODON / IAN YUSKO

Sheet 1 of 7

Title: FIELD TECH

Date: 8/30/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

- Monthly Semi-Annual
 Other (explain) 3RD QUARTERLY INSPECTION
 Heavy Rain _____

Collection System Valves

1. Adequate-Free Movement ✓
2. Seals - Complete ✓
3. Signs of Rust/Corrosion MINOR

Condensate Collection⁽¹⁾

Comments/Corrective Action

4. Air Moisture Separator ✓

Carbon Adsorbers

5. Vessels _____
- Exterior Damage ✓
- FRP Grating and Mesh ✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6. Blower

- General Motor Maintenance
- Drive Maintenance
- Bearing Maintenance
- Lubrication
- Structural Maintenance

✓
✓
✓
✓
✓

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RYAN TEOKOJ / IAN YUSKO

Sheet 3 of 7

Title: FIELD TECHNICIAN

Date: 8/30/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

Quarterly () After Seismic Event⁽¹⁾

() Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾

1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

⁽¹⁾ Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

⁽²⁾ Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: RYAN TEORON / IAN YUSKO

Sheet 4 of 7

Title: FIELD TECHNICIAN

Date: 8/30/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

Semi-annual

Heavy Rainfall⁽²⁾

Other (explain) QUARTERLY

Item Description	Condition*/Remarks
------------------	--------------------

SUBSURFACE DRAINAGE SYSTEMS

- | | |
|---|-----------------------------|
| 1. Holes and Cracks in Swales, Catch Basin | ✓ |
| 2. Plugging of Drainage Inlets | ✓ |
| 3. Sediment Build-Up or Debris in Catch Basin | SOME TUMBLEWEEDS IN CULVERT |
| 4. Structural Failure of Catch Basin | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
- (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

**DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM**

Completed By: RYAN TEXON / IAN YUSKO
 Title: FIELD TECHNICIAN

Sheet 5 of 7
 Date: 8/30/2006
 Time: _____
 Date: _____

Verified By: _____
 Title: _____

Type of Inspection (check only one):

- Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	✓
2. Stressed Vegetation (Plant Die-Back)	✓
3. Sediment Build-Up	✓
4. Local Subsidence or Loss of Grade	✓
5. Water Ponding	✓
6. Turf Height	✓
7. Burrowing Animals	GOPHER HOLES NORTH EAST
8. Weeds or Undesirable Vegetation	SOME WEEDS
9. Evidence of Fires or Vandalism	✓
10. Soil Quality Check	✓
11. Unauthorized Traffic	✓
12. Slope Instability or Sloughing	✓
13. Survey Monuments	✓
14. Vertical Cracking	SOME CRACKS (SOUTH WEST)
15. Intrusions	✓
16. Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM

Completed By: RYAN TEIXON / IAN YUSKO
Title: FIELD TECHNICIAN

Sheet 6 of 7
Date: 8/30/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Inspection (check only one):

- Quarterly
 Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

Perimeter Fence

- | | |
|-----------------------------------|--|
| 1. Breaks and Holes | <u>SOUTH NEXT TO TREE</u> |
| 2. Settlement Damage | <u>✓</u> |
| 3. Loose Posts/Tension | <u>✓</u> |
| 4. Rust/Corrosion | <u>✓</u> |
| 5. Ruts and Burrows Beneath Fence | <u>YES ON ALL SIDES</u> |
| 6. Vegetation Overgrowth | <u>✓</u> |
| 7. General Signs of Deterioration | <u>✓</u> |
| 8. Vandalism/Animal/Wind Damage | <u>✓ BREAK IN SOUTH FENCE</u> |

Gates

- | | |
|--|--------------------------------------|
| 9. Adequate Movement of Hinges and Gates | <u>GATES BENT TO HINDER MOVEMENT</u> |
| 10. Proper Function of Lock(s) | <u>✓</u> |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

WEST FENCE ANIMAL WHOLE
WEST FENCE DENTED POST
LOWER SOUTH WEST CORNER
SOUTH FENCE
NORTHEAST CORNER PULLED UP

**DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM**

Completed By: RYAN TEOXON / IAN YUSKO Sheet 1 of 7
 Title: FIELD TECHNICIAN Date: 8/30/2006
 Verified By: _____ Time: _____
 Title: _____ Date: _____

Type of Inspection (check only one):

- Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

Access Road

- | | |
|-----------------------------------|---------------------------------------|
| 1. Holes and Cracks | ✓ |
| 2. Vegetation Overgrowth | SOME WEEDS |
| 3. Settlement | ✓ |
| 4. Excessive Dispersion of Gravel | GRAVEL FOUND NEXT TO DRAINAGE V-DITCH |
| 5. General Signs of Deterioration | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

**DEL AMO WASTE PITS OU
ACCESS ROAD INSPECTION FORM**

Completed By: RYAN TEODON Sheet 1 of 1
 Title: PROJECT ENGINEER Date: 11/30/2006
 Verified By: _____ Time: _____
 Title: _____ Date: _____

Type of Inspection (check only one):

- Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
<u>Access Road</u>	
1. Holes and Cracks	✓
2. Vegetation Overgrowth	SOME WEEDS
3. Settlement	✓
4. Excessive Dispersion of Gravel	AT ENTRANCE
5. General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

PULL WEEDS (ASK AVENUE ONE)
 SHOVEL LOOSE GRAVEL BACK ONTO ACCESS ROAD

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

**DEL AMO WASTE PITS OU
COVER SYSTEM INSPECTION FORM**

Completed By: RYAN TEXON

Sheet 1 of 1

Title: PROJECT ENGINEER

Date: 11/30/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

Type of Inspection (check only one):

- Quarterly () After Seismic Event⁽¹⁾ () After Heavy Rain⁽²⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
1. Erosion	✓
2. Stressed Vegetation (Plant Die-Back)	✓
3. Sediment Build-Up	✓
4. Local Subsidence or Loss of Grade	✓
5. Water Ponding	✓
6. Turf Height	✓
7. Burrowing Animals	MANY GOPHER HOLES
8. Weeds or Undesirable Vegetation	SOME WEEDS
9. Evidence of Fires or Vandalism	✓
10. Soil Quality Check	✓
11. Unauthorized Traffic	✓
12. Slope Instability or Sloughing	✓
13. Survey Monuments	✓
14. Vertical Cracking	✓
15. Intrusions	✓
16. Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

**DEL AMO WASTE PITS OU
SECURITY FENCE INSPECTION FORM**

Completed By: RYAN TEORON
Title: PROJECT ENGINEER

Sheet 1 of 1

Date: 11/30/2006

Time: _____

Verified By: _____
Title: _____

Date: _____

Type of Inspection (check only one):

Quarterly

Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
-------------------------	---------------------------

Perimeter Fence

- | | |
|-----------------------------------|----------------------------|
| 1. Breaks and Holes | ✓ |
| 2. Settlement Damage | ✓ |
| 3. Loose Posts/Tension | LOOSE POST ON WEST FENCE |
| 4. Rust/Corrosion | ✓ |
| 5. Ruts and Burrows Beneath Fence | SOME BURROWS BENEATH FENCE |
| 6. Vegetation Overgrowth | ✓ |
| 7. General Signs of Deterioration | ✓ |
| 8. Vandalism/Animal/Wind Damage | ✓ |

Gates

- | | |
|--|---|
| 9. Adequate Movement of Hinges and Gates | ✓ |
| 10. Proper Function of Lock(s) | ✓ |

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU
SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: RYAN TEXON Sheet 1 of 1
 Title: PROJECT ENGINEER Date: 11/30/2006
 Verified By: _____ Time: _____
 Date: _____
 Title: _____

Type of Inspection (check only one):

- () Semi-annual
 () Heavy Rainfall⁽²⁾
 (✓) Other (explain) QUARTERLY

<u>Item Description</u>	<u>Condition*/Remarks</u>
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

- (1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU
SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RYAN TEIXON
 Title: PROJECT ENGINEER

Sheet 1 of 1
 Date: _____
 Time: _____
 Date: _____

Verified By: _____
 Title: _____

Type of Inspection (check only one):

- Quarterly () After Seismic Event⁽¹⁾
 () Other (explain) _____

<u>Item Description</u>	<u>Condition*/Remarks</u>
SURFACE-WATER DRAINAGE SYSTEMS ⁽²⁾	
1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
 (2) Contoured grades, swales, and catch basins



**2006 CAP GAS SYSTEM
BI-MONTHLY MONITORING FORMS**

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RYAN TESSON

Sheet 1 of 1

Title: FIELD TECH

Date: 1/12/2006

Time: _____

Verified By: Audrey Choi

Date: 1/16/2006

Title: Project Engineer

() Type of Monitoring Devices: MINIRAE 2000 (P.I.D)

Weather Conditions: ~ 75° F Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs
(ppm)
1.2

2. Outlet, Carbon Adsorber Vessel A (required)

1.0

3. Outlet, Carbon Adsorber Vessel B (required)

1.7

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.9

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RYAN TEOXON
Title: FIELD TECH

Sheet: 1 of 1

Date: 1/12/2006

Time: _____

Verified By: Sydney Roberts
Title: Project Engineer

Date: 1/16/2006

Type of Monitoring Devices: VELOCICALC, FLUKE MULTIMETER

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
{ } Other Frequency: BI MONTHLY

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

EPM SCFM
265 SCFM *
—
—
1960 SCFM *

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)
123.2
123.2
210.7

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

122.2
122.0
208.5

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)
7.24
6.92
6.52

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
65°F
—
—
116°F

* These numbers are obviously wrong. The GCTS was working properly as shown by the Voltage and Amperage numbers. Probably an operator error.

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RYAN TEODOR
Title: FIELD TECH

Sheet: 1 of 1

Date: 1/26/2006

Time: _____

Verified By: Audrey Cohen
Title: Project Engineer

Date: 2/2/2006

Type of Monitoring Devices: FLUKE MULTIMETER, VELOCICALC

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly

{} Other Frequency: BIMONTHLY

Air Velocity

FPM

- | | |
|---|------------|
| 1. System Inlet (Required) | <u>133</u> |
| 2. Outlet Carbon Adsorber Vessel A (Optional) | <u>-</u> |
| 3. Outlet Carbon Adsorber Vessel B (Optional) | <u>-</u> |
| 4. Blower Outlet (Required) | <u>176</u> |

Voltage

Volts (V)

- | | |
|------------------------------------|--------------|
| A. System "ON", Blower Motor "OFF" | |
| 1. F1 Leg | <u>123.5</u> |
| 2. F2 Leg | <u>123.4</u> |
| 3. F3 Leg | <u>210.5</u> |
| B. System "ON", Blower Motor "ON" | |
| 1. F1 Leg | <u>122.5</u> |
| 2. F2 Leg | <u>122.3</u> |
| 3. F3 Leg | <u>208.8</u> |

Amperage

Amps (A)

- | | |
|-----------|-------------|
| 1. F1 Leg | <u>7.33</u> |
| 2. F2 Leg | <u>7.06</u> |
| 3. F3 Leg | <u>6.50</u> |

Temperature

Temp (F°)

- | | |
|---|--------------|
| 1. System Inlet (Required) | <u>61°F</u> |
| 2. Outlet Carbon Adsorber Vessel A (Optional) | <u>-</u> |
| 3. Outlet Carbon Adsorber Vessel B (Optional) | <u>-</u> |
| 4. Blower Outlet (Required) | <u>113°F</u> |

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RYAN TEORDON

Sheet 1 of 1

Title: FIELD TECH

Date: 1/26/2006

Time: _____

Verified By: Audrey Leber

Date: 2/2/2006

Title: Project Engineer

() Type of Monitoring Devices: MINIRAE 2000 (P.I.D. 1)

Weather Conditions: ~65°F OVERCAST Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) DISCONTINUED BIMONTHLY MONITORING

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs
(ppm)
0.2

2. Outlet, Carbon Adsorber Vessel A (required)

0.2

3. Outlet, Carbon Adsorber Vessel B (required)

0.1

4. Blower Inlet (optional)

—

5. Blower Outlet (required)

0.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: Ryan Teoxan/April Heath
Title: FIELD TECH

Sheet: 1 of 2
Date: 2/19/06
Time: _____
Date: 2/13/06

Verified By: Audrey Lebi
Title: Project Engineer

Type of Monitoring Devices: Minrac²⁰⁰⁰ PID I

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly

{ } Other Frequency: Bi-monthly

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
120.5

165.0

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)
122.8
122.9
209.9

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

121.9
121.6
208.5

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)
7.08
6.90
6.33

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
70°

125°

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RYAN TEIXON / APRIL HEATH

Sheet 2 of 2

Title: FIELD TECH

Date: 2/9/2006

Time: _____

Verified By: Audrey / Chris

Date: 2/13/2006

Title: Project Engineer

() Type of Monitoring Devices: MINIRAE 2000 P.I.D.(2)

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY MONITORING

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

VOCs

(ppm)

1. System Inlet (required)

0.6

2. Outlet, Carbon Adsorber Vessel A (required)

0.5

3. Outlet, Carbon Adsorber Vessel B (required)

0.5

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RYAN TEIXON

Sheet 1 of 2

Title: FIELD TECH

Date: 2/22/2006

Time: _____

Verified By: Audrey Cohen

Date: 3/14/2006

Title: Project Engineer

() Type of Monitoring Devices: P.I.D (1)

Weather Conditions: -70°F Barometric Pressure: _____

Type of Inspection (check only one):

- () Daily () Weekly
() Monthly
() Other Frequency (explain) BIMONTHLY

Vessel Operation:

- () Series, Vessel A to Vessel B
() Series, Vessel B to Vessel A
() Parallel
() One Vessel (A) or (B)

Sample Ports

	VOCs (ppm)
1. System Inlet (required)	<u>0.4</u>
2. Outlet, Carbon Adsorber Vessel A (required)	<u>0.2</u>
3. Outlet, Carbon Adsorber Vessel B (required)	<u>0.3</u>
4. Blower Inlet (optional)	_____
5. Blower Outlet (required)	<u>0.3</u>

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RYAN TEOXON
Title: FIELD TECH

Sheet: 2 of 2
Date: 2/22/2006
Time: _____
Date: _____

Verified By: Audrey Cebis
Title: Project Engineer

Type of Monitoring Devices: VELOCICALC, FLUKE MULTIMETER

Type of Inspection (Check Only One):

Daily Weekly Monthly
 Other Frequency: BIMONTHLY

Air Velocity

FPM

- | | |
|---|------------|
| 1. System Inlet (Required) | <u>140</u> |
| 2. Outlet Carbon Adsorber Vessel A (Optional) | _____ |
| 3. Outlet Carbon Adsorber Vessel B (Optional) | _____ |
| 4. Blower Outlet (Required) | <u>183</u> |

Voltage

Volts (V)

- | | |
|------------------------------------|--------------|
| A. System "ON", Blower Motor "OFF" | |
| 1. F1 Leg | <u>123.9</u> |
| 2. F2 Leg | <u>123.9</u> |
| 3. F3 Leg | <u>211.3</u> |
| B. System "ON", Blower Motor "ON" | |
| 1. F1 Leg | <u>122.3</u> |
| 2. F2 Leg | <u>122.4</u> |
| 3. F3 Leg | <u>208.0</u> |

Amperage

Amps (A)

- | | |
|-----------|-------------|
| 1. F1 Leg | <u>7.12</u> |
| 2. F2 Leg | <u>6.99</u> |
| 3. F3 Leg | <u>6.38</u> |

Temperature

Temp (F°)

- | | |
|---|-------------|
| 1. System Inlet (Required) | <u>65°</u> |
| 2. Outlet Carbon Adsorber Vessel A (Optional) | _____ |
| 3. Outlet Carbon Adsorber Vessel B (Optional) | _____ |
| 4. Blower Outlet (Required) | <u>120°</u> |

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: AH/RT
Title: FIELD TECH

Sheet: of

Date: 3/19/06

Time: 12:15 PM.

Date: 3/14/2006

Verified By: Rudney Ghais
Title: Project engineer

Type of Monitoring Devices: VELOCICALC, FLUKE MULTIMETER

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly

{ } Other Frequency: Bi-monthly

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM

132

169.5

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

123.7

123.3

211.5

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

122.7

122.2

210.3

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

6.90

6.78

6.81

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)

62

118

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: AH/RT

Sheet 1 of 2

Title: FIELD TECH

Date: 3/19/00

Time: 12:15 PM

Verified By: Archiey Choi

Date: 3/14/2000

Title: Project Engineer

() Type of Monitoring Devices: Fluke Multi-Meter

Weather Conditions: Overcast Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) Bi-monthly

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs:
(ppm)
0.5

2. Outlet, Carbon Adsorber Vessel A (required)

0.1

3. Outlet, Carbon Adsorber Vessel B (required)

0.3

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: IAN YUSKO
Title: FIELD ENGINEER

Sheet: 1 of 1
Date: 3/22/06
Time: 10:20 a.m
Date: 3/28/06

Verified By: Audrey Celis
Title: Project Engineer

Type of Monitoring Devices: VELOCICALC, FLUKE MULTIMETER,
MINI-RAB PID (2)

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
{✓} Other Frequency: BI-MONTHLY

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
147

160

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)
121.8
122.8
209.6

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

121.6
121.2
208.3

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)
7.19
6.97
6.52

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
65

120

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: IAN YUSKO

Sheet 1 of 1

Title: FIELD ENGINEER

Date: 3/22/06

Time: 10:15 a.m.

Verified By: Audrey Choia

Date: 3/28/06

Title: Project Engineer

() Type of Monitoring Devices: VELOCICALC, FLUKE MULTIMETER, PID (2)

Weather Conditions: CLEAR Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BI-MONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

VOCs
(ppm)

1. System Inlet (required)

0.3

2. Outlet, Carbon Adsorber Vessel A (required)

0.3

3. Outlet, Carbon Adsorber Vessel B (required)

0.2

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT, IV

Sheet 1 of 2

Title: FIELD TECH/ENGINEER

Date: 5/5/2006

Time: _____

Verified By: Needham Cobble

Date: 5/6/2006

Title: Process Engineer

() Type of Monitoring Devices: P.I.D. (1), PUMP/LUNG SYSTEM

Weather Conditions: ~70° F Barometric Pressure: _____

Type of Inspection (check only one):

- () Daily () Weekly
- () Monthly
- () Other Frequency (explain) BIMONTHLY

Vessel Operation:

- () Series, Vessel A to Vessel B
- () Series, Vessel B to Vessel A
- () Parallel
- () One Vessel (A) or (B)

Sample Ports

	VOCs (ppm)
1. System Inlet (required)	<u>0.8</u>
2. Outlet, Carbon Adsorber Vessel A (required)	<u>1.3</u>
3. Outlet, Carbon Adsorber Vessel B (required)	<u>1.8</u>
4. Blower Inlet (optional)	<u>—</u>
5. Blower Outlet (required)	<u>1.7</u>

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT, LY
Title: FIELD TECH/ENGINEER

Sheet: 2 of 2
Date: 5/5/2006
Time: _____
Date: 5/6/2006

Verified By: Audrey Colais
Title: Project Engineer

Type of Monitoring Devices: VELOCICALC

Type of Inspection (Check Only One):

Daily Weekly Monthly
 Other Frequency: BIMONTHLY MONITORING

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
129 scfm
—
—
165 scfm

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

NA —

Amps (A)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
70
—
—
126

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Ian Yusko
Title: Field Tech

Sheet: 1 of 2
Date: 05/22/06
Time: 1:45 p.m.
Date: _____

Verified By: Ryan Teoxon
Title: Field Tech

Type of Monitoring Devices: Pump-Lung System, Velocicalc,
PID (1)

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
 Other Frequency: Bi monthly

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM Scfm

137

145

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
76°

126°

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: Jan Yusko

Sheet 2 of 2

Title: Field Tech.

Date: 05/22/06

Time: 1:55 p.m.

Verified By: Ryan Teoxon

Date: _____

Title: Field Tech.

() Type of Monitoring Devices: PID (1), Pump Lung System

Weather Conditions: 5 mph Barometric Pressure: ✓

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) Bi-monthly

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs:
(ppm)
0.4

2. Outlet, Carbon Adsorber Vessel A (required)

0.2

3. Outlet, Carbon Adsorber Vessel B (required)

0.3

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT/17

Sheet 1 of 2

Title: FIELD TECH

Date: 06-16-06

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: P.I.D.(1), VELOCICALC

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs:
(ppm)
1.6

2. Outlet, Carbon Adsorber Vessel A (required)

1.1

3. Outlet, Carbon Adsorber Vessel B (required)

~~1.1~~ 1.1

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.8

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT / IV
Title: FIELD TECH

Sheet: 2 of 2
Date: 6/16/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: P.I.D.(2), VELOCICALC

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
{ } Other Frequency: BIMONTHLY

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
150
-
-
130

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)
NA
NA
NA

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

NA
NA
NA

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)
NA
NA
NA

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
82
-
-
136

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT/IY

Sheet 1 of 1

Title: FIELD TECH

Date: 6/29/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: P.I.D. (1)

Weather Conditions: ~ 80° Barometric Pressure: -

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

VOCs:

(ppm)

1. System Inlet (required)

2.3

2. Outlet, Carbon Adsorber Vessel A (required)

0.7

3. Outlet, Carbon Adsorber Vessel B (required)

0.8

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.7

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT/1Y
Title: FIELD TECH

Sheet: 1 of 1
Date: 6/29/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: VELOCICALC

Type of Inspection (Check Only One):
 Daily Weekly Monthly
 Other Frequency: BIMONTHLY

<u>Air Velocity</u>	<u>SCFM</u>
	<u>PPM</u>
1. System Inlet (Required)	<u>152</u>
2. Outlet Carbon Adsorber Vessel A (Optional)	<u>—</u>
3. Outlet Carbon Adsorber Vessel B (Optional)	<u>—</u>
4. Blower Outlet (Required)	<u>170</u>

<u>Voltage</u>	<u>Volts (V)</u>
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____
B. System "ON", Blower Motor "ON"	
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____

<u>Amperage</u>	<u>Amps (A)</u>
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____

<u>Temperature</u>	<u>Temp (F°)</u>
1. System Inlet (Required)	<u>80°</u>
2. Outlet Carbon Adsorber Vessel A (Optional)	<u>_____</u>
3. Outlet Carbon Adsorber Vessel B (Optional)	<u>_____</u>
4. Blower Outlet (Required)	<u>135°</u>

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: BC/1Y

Sheet 2 of 2

Title: _____

Date: 8/25/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: P.I.D. (1)

Weather Conditions: ~ 85° Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

VOCs
(ppm)

1. System Inlet (required)

9.6

2. Outlet, Carbon Adsorber Vessel A (required)

12.2

3. Outlet, Carbon Adsorber Vessel B (required)

9.5

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.7

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: BC/11
Title: _____

Sheet: 1 of 2
Date: 8/25/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: VELOCICALC

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: BIMONTHLY

<u>Air Velocity</u>	<u>FPM</u>
1. System Inlet (Required)	<u>150</u>
2. Outlet Carbon Adsorber Vessel A (Optional)	_____
3. Outlet Carbon Adsorber Vessel B (Optional)	_____
4. Blower Outlet (Required)	<u>160</u>

<u>Voltage</u>	<u>Volts (V)</u>
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____
B. System "ON", Blower Motor "ON"	
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____

<u>Amperage</u>	<u>Amps (A)</u>
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____

<u>Temperature</u>	<u>Temp (F°)</u>
1. System Inlet (Required)	<u>95°</u>
2. Outlet Carbon Adsorber Vessel A (Optional)	_____
3. Outlet Carbon Adsorber Vessel B (Optional)	_____
4. Blower Outlet (Required)	<u>135°</u>

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT/AH
Title: FIELD TECHNICIAN

Sheet: 1 of 2
Date: 9/7/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: MINIRAE 2000 P.I.D. (1), ~~#~~ VELOCICALC

Type of Inspection (Check Only One):

Daily Weekly Monthly
 Other Frequency: BIMONTHLY

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM

141

155

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)

85

135

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT/AH

Sheet 2 of 2

Title: FIELD TECHNICIANS

Date: 9/7/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: VELOCICALS, MINIRAE 2000 P.I.D. (1)

Weather Conditions: ~ 85° SUNNY Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) ~~W~~ BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs
(ppm)
0.5

2. Outlet, Carbon Adsorber Vessel A (required)

0

3. Outlet, Carbon Adsorber Vessel B (required)

1.3

4. Blower Inlet (optional)

5. Blower Outlet (required)

0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RYAN TEODON

Sheet 1 of 2

Title: FIELD TECHNICIAN

Date: 9/21/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: P.I.D.(1), VELOCICALC

Weather Conditions: ~ 80°F Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY MONITORING

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs
(ppm)

6.5

2. Outlet, Carbon Adsorber Vessel A (required)

3.1

3. Outlet, Carbon Adsorber Vessel B (required)

5.5

4. Blower Inlet (optional)

5. Blower Outlet (required)

1.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RYAN TEXON
Title: FIELD TECHNICIAN

Sheet: 2 of 2
Date: 9/21/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: P.I.D.(1), VELOCICALC

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
 Other Frequency: BIMONTHLY MONITORING

Air Velocity

	<u>FPM</u>
1. System Inlet (Required)	<u>147.5</u>
2. Outlet Carbon Adsorber Vessel A (Optional)	<u>—</u>
3. Outlet Carbon Adsorber Vessel B (Optional)	<u>—</u>
4. Blower Outlet (Required)	<u>152</u>

Voltage

	<u>Volts (V)</u>
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____
B. System "ON", Blower Motor "ON"	
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____

Amperage

	<u>Amps (A)</u>
1. F1 Leg	_____
2. F2 Leg	_____
3. F3 Leg	_____

Temperature

	<u>Temp (F°)</u>
1. System Inlet (Required)	<u>80</u>
2. Outlet Carbon Adsorber Vessel A (Optional)	_____
3. Outlet Carbon Adsorber Vessel B (Optional)	_____
4. Blower Outlet (Required)	<u>132°</u>

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT
Title: FIELD TECH

Sheet: 1 of 2
Date: 10/14/2006

Verified By: _____
Title: _____

Time: _____
Date: _____

Type of Monitoring Devices: VELOCICALC, MINIRAE 2000 P.I.D.(1)

Type of Inspection (Check Only One):
 Daily Weekly Monthly
 Other Frequency: _____

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
150
—
—
155

Voltage

- A. System "ON", Blower Motor "OFF"
1. F1 Leg
 2. F2 Leg
 3. F3 Leg
- B. System "ON", Blower Motor "ON"
1. F1 Leg
 2. F2 Leg
 3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
80°
—
—
125°

<u>PORT</u>	<u>VOCs</u>
4	0.9
3	0.8
2	1.2
1	1.2

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT

Sheet 2 of 2

Title: FIELD TECHNICIAN

Date: 10/8/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: VELOCICALC, MINIRAE 2000 P.I.D.(1)

Weather Conditions: ~80° F Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs:
(ppm)
1.2

2. Outlet, Carbon Adsorber Vessel A (required)

1.2

3. Outlet, Carbon Adsorber Vessel B (required)

0.8

4. Blower Inlet (optional)

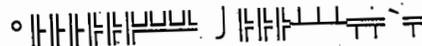
~~0.9~~

5. Blower Outlet (required)

0.9

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM



Completed By: RT/14/SA

Sheet 1 of 1

Title: PROJECT ENGINEER

Date: 10/19/06

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: MINIRAE 2000 P.I.D. (1), VELOCICALC

Weather Conditions: ~80°F SUNNY Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs
(ppm)
3.1

2. Outlet, Carbon Adsorber Vessel A (required)

2.1

3. Outlet, Carbon Adsorber Vessel B (required)

2.0

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.5

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT/YY/SA
 Title: Field Technician / Staff Scientist

Sheet: 1 of 1
 Date: 10/19/06
 Time: 10:45
 Date: _____

Verified By: _____
 Title: _____

Type of Monitoring Devices: PID(1)2000, Velocity Calc

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
 { } Other Frequency: Bimonthly

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
146.5

175.5

Voltage

- A. System "ON", Blower Motor "OFF"
 1. F1 Leg
 2. F2 Leg
 3. F3 Leg
- B. System "ON", Blower Motor "ON"
 1. F1 Leg
 2. F2 Leg
 3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
77

96
122

VOCs (PPM)

	1	2	3	4
	3.1	2.1	2.0	0.5

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT/IV/SA

Sheet 1 of 2

Title: PROJECT ENGINEER

Date: 11/23/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: MINIRAE 2000 P.I.D. (1), VELOCICALC

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY MONITORING

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs:
(ppm)
1.0

2. Outlet, Carbon Adsorber Vessel A (required)

4.2

3. Outlet, Carbon Adsorber Vessel B (required)

2.9

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

7

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT/1Y/SA
Title: PROJECT ENGINEER

Sheet: 2 of 2
Date: 11/2/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: MINIRAE 2000 P.I.D.(1), VELOCICALC

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
{ } Other Frequency: BIMONTHLY MONITORING

Air Velocity

- | | <u>FPM</u> |
|---|--------------|
| 1. System Inlet (Required) | <u>155</u> |
| 2. Outlet Carbon Adsorber Vessel A (Optional) | _____ |
| 3. Outlet Carbon Adsorber Vessel B (Optional) | _____ |
| 4. Blower Outlet (Required) | <u>161.5</u> |

Voltage

- | | <u>Volts (V)</u> |
|---|------------------|
| A. System "ON", Blower Motor "OFF" | |
| 1. F1 Leg | _____ |
| 2. F2 Leg | _____ |
| 3. F3 Leg | _____ |
| B. System "ON", Blower Motor "ON" | |
| 1. F1 Leg | _____ |
| 2. F2 Leg | _____ |
| 3. F3 Leg | _____ |

Amperage

- | | <u>Amps (A)</u> |
|----------------------|------------------|
| 1. F1 Leg | _____ |
| 2. F2 Leg | _____ |
| 3. F3 Leg | _____ |

Temperature

- | | <u>Temp (F°)</u> |
|---|------------------|
| 1. System Inlet (Required) | <u>75°</u> |
| 2. Outlet Carbon Adsorber Vessel A (Optional) | _____ |
| 3. Outlet Carbon Adsorber Vessel B (Optional) | _____ |
| 4. Blower Outlet (Required) | <u>120°</u> |

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: RT/SA/IV
Title: Project Engineer.

Sheet: 1 of 2
Date: 11/15/2006
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: VELOCICALC, MINIRAC 2000 P.I.D. (1)

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly

{} Other Frequency: BIMONTHLY MONITORING

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM

162

172.5

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

PORT

VOCs

Volts (V)

4

0.3

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

3

2.6

2

3.0

1

6.6

Amps (A)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)

72 °

112 °

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: RT/SA/IV

Sheet 2 of 2

Title: PROJECT ENGINEER

Date: 11/15/2006

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: MINIRAE 2000 P.I.D. (T), VELOCICALC

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) BIMONTHLY MONITORING

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

VOCs

(ppm)

1. System Inlet (required)

6.6

2. Outlet, Carbon Adsorber Vessel A (required)

3.0

3. Outlet, Carbon Adsorber Vessel B (required)

2.6

4. Blower Inlet (optional)

5. Blower Outlet (required)

0.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: SA/AH
Title: Project Engineer

Sheet: 1 of 2
Date: 11/30/00
Time: 10:50AM
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: PID

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Bi-Monthly

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM

1100

178°

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)

70°

110°

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: SALAH

Sheet 2 of 2

Title: Project Engineer

Date: 11/30/00

Time: 11:00 AM

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: PID

Weather Conditions: Warm Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) Bi-monthly

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

VOCs:
(ppm)

1. System Inlet (required)

0.0

2. Outlet, Carbon Adsorber Vessel A (required)

1.0

3. Outlet, Carbon Adsorber Vessel B (required)

0.8

4. Blower Inlet (optional)

0.4

5. Blower Outlet (required)

—

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEBRAMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: SA/RT

Sheet 1 of 2

Title: PROJECT ENGINEER

Date: 12/14/2006

Time: 11:45

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: MiniRae 2000 P.I.D., RKI Eagle

Weather Conditions: Warm, Sunny Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) Bimonthly

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

2. Outlet, Carbon Adsorber Vessel A (required)

3. Outlet, Carbon Adsorber Vessel B (required)

4. Blower Inlet (optional)

5. Blower Outlet (required)

VOCs: CH₄, O₂, CO₂, H₂S
(ppm)

0.5 1 12.1 8.6 0

1.2

0.9

0.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

7

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: SA / RT
Title: PROJECT ENGINEER

Sheet: 2 of 2
Date: 12/14/2006
Time: 11:45
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: Mini Rae 2000, PID, Rkl Eagle

Type of Inspection (Check Only):

{ } Daily { } Weekly { } Monthly
{} Other Frequency: Bimonthly

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM

N/A

N/A

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)

68

84

114

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MONITORING FORM

Completed By: SA/IY

Sheet 1 of 2

Title: Project Engineer

Date: 12/29/06

Time: _____

Verified By: _____

Date: _____

Title: _____

() Type of Monitoring Devices: MINIRAE PID 2000, VelociCalc

Weather Conditions: Sunny Barometric Pressure: _____

Type of Inspection (check only one):

() Daily () Weekly

() Monthly

() Other Frequency (explain) Bimonthly Monitoring

Vessel Operation:

() Series, Vessel A to Vessel B

() Series, Vessel B to Vessel A

() Parallel

() One Vessel (A) or (B)

Sample Ports

1. System Inlet (required)

VOCs
(ppm)
25.6

2. Outlet, Carbon Adsorber Vessel A (required)

15.7

3. Outlet, Carbon Adsorber Vessel B (required)

14.0

4. Blower Inlet (optional)

5. Blower Outlet (required)

2.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

7

**DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM**

Completed By: SA/IY
Title: Project Engineer

Sheet: 2 of 2
Date: 12/29/06
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: MINIRAE P.I.D 2000, Velocicalc

Type of Inspection (Check Only One):

{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Bimonthly Monitoring

Air Velocity

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

FPM
152

200

Voltage

A. System "ON", Blower Motor "OFF"

1. F1 Leg
2. F2 Leg
3. F3 Leg

B. System "ON", Blower Motor "ON"

1. F1 Leg
2. F2 Leg
3. F3 Leg

Volts (V)

Amperage

1. F1 Leg
2. F2 Leg
3. F3 Leg

Amps (A)

Temperature

1. System Inlet (Required)
2. Outlet Carbon Adsorber Vessel A (Optional)
3. Outlet Carbon Adsorber Vessel B (Optional)
4. Blower Outlet (Required)

Temp (F°)
64°

110°



MARCH 27, 2003 USEPA CORRESPONDENCE LETTER



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

March 27, 2003

Mr. Edmond F. Bourke, C2 REM
Respondents Coordinator
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92606

Re: Soil Vapor Monitoring at Waste Pits Operable Unit
Unilateral Administrative Order (UAO) for Remedial Action, Docket No. 99-08
Del Amo Superfund Site

Dear Ed:

U.S. EPA and California DTSC have recently conducted a review of operation, maintenance and monitoring activities at the Del Amo Waste Pits Area. In our review, we noticed that the Operation, Maintenance and Monitoring Manual (OM&M Manual) specified that the perimeter vapor probe monitoring would not start until after initiation of the SVE system. At the time we approved the OM&M Manual, we anticipated the SVE system would be installed shortly. As you are aware, there has been a delay in starting the SVE system, and you are currently in the process of preparing for the SVE pilot project. As a result, the perimeter monitoring has not yet been started. We are concerned about this situation because we are not able to monitor whether any contaminated vapors are migrating out from beneath the cap. Such was the original reason for including perimeter monitoring in the 1997 Record of Decision (ROD). In light of this situation, we request that the Respondents initiate quarterly soil vapor monitoring of the perimeter soil vapor probes within the next four months.

Please let me know, as soon as you can, if you would be willing to do this. Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Dante Rodriguez".

Dante A. Rodriguez, P.E.
Del Amo Project Manager
U.S. EPA Region 9

cc: Gloria Conti, DTSC
Chuck Paine, Shell Oil Company
Niki Pasvantis, Shell Oil Company



JULY 21, 2004 USEPA CORRESPONDENCE LETTER



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

July 21, 2004

Mr. Edmond F. Bourke
C₂ REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92606

Re: Del Amo Superfund Site, Unilateral Administrative Order, Docket No. 99-08
SVE Pilot Test

Dear Ed:

EPA has completed its review of the document entitled "*Field Pilot Test Program, Report of Findings, Del Amo Site,*" originally dated October 2003, with revisions dated March 2004 and June 2004. In summary, the report is now approved in its entirety.

Thank you very much for your work on this report. I look forward to working with you and your team in the next phases of this project. If you have any questions, you may contact me at (415) 972-3166 or via email at rodriguez.dante@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Dante Rodriguez".

Dante Rodriguez, P.E.
Del Amo Project Manager
U.S. EPA Region 9

cc: Safouh Sayed, DTSC
Niki Pasvantis, Shell



DECEMBER 10, 2004 USEPA CORRESPONDENCE LETTER



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

December 10, 2004

Mr. Edmond F. Bourke
C₂ REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92606

Re: Del Amo Superfund Site, Unilateral Administrative Order, Docket No. 98-06
Remedial Design of SVE System

Dear Ed:

On May 3, 1999, EPA issued a letter to you approving the Remedial Design (RD) for the Del Amo Waste Pits Soil Vapor Extraction (SVE) system, except for the vapor treatment component. To address concerns of some community members, EPA decided at the time to further examine vapor treatment options. In consultation with the community, EPA decided that the Respondents would pursue using an adsorption technology to treat extracted vapors. This decision was supported by an August 2002 Explanation of Significant Differences (ESD) to the 1997 Record of Decision (ROD). Following the ESD, you performed a pilot test of resin adsorption with on-site regeneration. After completing the pilot test, you proposed incorporating bioventing as part of the SVE system and using carbon adsorption instead of resin for the vapor treatment. EPA has concluded that either form of adsorption, resin or carbon, are acceptable technologies for the vapor treatment aspect of the Waste Pits SVE system.

Regarding your proposal to incorporate bioventing into the SVE design, the 1997 ROD said that the SVE remediation was expected to take approximately 5 years. The final SVE system, therefore, must not result in a significant change to this time-frame. EPA's remediation priority is to aggressively remove the contaminants from the source zone. However, EPA recognizes that the bioventing aspect may have the potential to become an important mechanism for mass reduction in the source zone. The extent to which bioventing contributes to timely source zone reduction can only be determined by monitoring during field implementation. Therefore, the RD documents must establish the technical support for the potential efficacy of bioventing at the site, as well as the necessary performance standards, operating parameters, monitoring frequency, evaluation frequency, and failure criteria for the bioventing component.

Within 30 days of receipt of this letter, the Respondents must submit to EPA and DTSC, a Remedial Design work plan addendum. The RD work plan addendum must describe how the remaining design activities will be completed, addressing the issues described in this letter, and provide a schedule for their completion. If you have any questions, please contact me at (415) 972-3166, or via email at rodriguez.dante@epa.gov. I look forward to receiving your RD work plan addendum and working with you to complete the Remedial Design and Remedial Action at

the Del Amo Waste Pits Operable Unit. Thank you.

Sincerely,



Dante A. Rodriguez, P.E.
Del Amo Project Manager
U.S. EPA Region 9

cc: George Landreth, Shell Oil
Safouh Sayed, DTSC



COMPLETED MAINTENANCE/FIELD DAILY REPORTS

C2 REM FIELD DAILY REPORT

PROJECT NAME: DEL AND PITS PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 1/2/2006

WEATHER: Temperature ~70°F Winds: — Precipitation: POST RAINFALL

DESCRIPTION OF THE WORK: SITE INSPECTION / POST RAINFALL

11:30 ARRIVE ON SITE W/ JEREMY TOUCHY

- NOTICE DRILLING TRUCKS @ EAST ENTRANCE GATE - NOTICED PONDING @ EAST SIDE OF SITE
- DRIVE TO TRAILER AND DROP OFF "204TH STREET" SIGN
- ENTER TRAILER AND CHECK PRESSURE OF NITROGEN TANK USED TO PURGE TEDLAR BAGS.
 - PRESSURE IS AT ~30 PSI
 - NO NEED TO REPLACE NITROGEN TANK

- 11:45
- ENTER ENCLOSURE AND NOTICE THAT THE FIRE EXTINGUISHER IS DETACHED AND ON THE GROUND
 - PLACED EXTINGUISHER BACK ON ITS HOLSTER
 - CONDUCTED POSTRAINFALL INSPECTION
 - * SEE ATTACHED FOR RESULTS

12:00 OFFSITE

Prepared by: RYAN TEXON

Jeremy Touchy

Signed: 

C2 REM FIELD DAILY REPORT

PROJECT NAME: 99-106 DEL AMO VAPOR TREATMENT PAGE 1 OF 1
PROJECT NUMBER: 99-106 DATE: 1/18/2006
WEATHER: Temperature 70° F Winds: — Precipitation: —
DESCRIPTION OF THE WORK: SITE MAINTENANCE

12:00 p.m. LEAVE C2REM

12:30 p.m. ARRIVE AT LADWP OFFICE IN WILMINGTON W/ JEREMY TOUCHY
CHECK WAS GIVEN TO LADY @ TELLER
LADY NEEDED CORPORATION ID # & FEDERAL TAX I.D. #
AFTER THAT WAS VERIFIED, SHE CALLED KATHY FUJIKI, WHO THEN HANDLED THE ACCOUNT

1:30 p.m. LEAVE LADWP OFFICE FOR LUNCH

2:30 p.m. ARRIVE @ DEL AMO PITS

DRIVE TO SOUTHWEST CORNER OF SITE & CLEAR METAL PLATES
TOOK METAL PLATES TO OUR TRASH BIN

- LOOK INSIDE "SEA-TRAIN" TO SEE IF WE CAN TAKE APART BLOWER UNIT

- TRAILER NEEDS TO BE PULLED OUT TO TAKE APART THE UNIT
- WILL RETURN ANOTHER DAY TO TAKE APART BLOWER UNIT

3:30 p.m. OFFSITE

Prepared by: RYAN TEXON
JEREMY TOUCHY

Signed: [Signature]

FIELD DAILY REPORT

PROJECT NAME: DEL AND PITS

PAGE 1 OF 7

PROJECT NUMBER: 97-101

DATE: 2/28/2006

ATHER: Temperature ~70°F Winds: —

Precipitation: —

DESCRIPTION OF THE WORK: POST RAINFALL INSPECTION

13:45 ARRIVE ON SITE

- NOTICE THAT GATE WAS WIDE OPEN

- OPENED SITE TRAILER TO DROP OFF HARD HATS (4) AND SAFETY VESTS (2)

- PICKED UP FLAME ARRESTOR AND BLOW BACK VALVE TO BRING BACK TO THE OFFICE

14:00 - CONDUCTED POST RAINFALL INSPECTION

- NO MAJOR ISSUES WERE CAUSED BY RAINFALL

14:30 OFFSITE

* SEE ATTACHED PAGES FOR INSPECTION NOTES

Prepared by: RYAN TEOXON

Signed: [Signature]

FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS

PAGE 1 OF

PROJECT NUMBER: 97-101

DATE: 3/20/2006

WEATHER: Temperature ~70°F Winds: -

Precipitation: -

DESCRIPTION OF THE WORK: QUARTERLY INSPECTION

8:30 ARRIVE ONSITE WITH AUDREY CETOLS
BILL COLE, IAN YUSKO, AND JACK KEENER ALREADY ONSITE
MICON PERSONNEL ON SITE

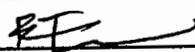
9:00 PERFORM FIRST QUARTERLY INSPECTION OF THE YEAR
- MADE NOTES OF ALL ISSUES THAT NEED TO BE ADDRESSED IN
THE NEAR FUTURE CONCERNING SITE MAINTENANCE

- WEEDS NEED TO BE CLEARED
- DRAINS NEED TO BE CLEARED
- GARY MOORE FROM ALL PRO FENCING NEEDS TO BE CONTACTED REGARDING
POURING OF A CONCRETE PAD AT SITE ENTRANCE

SEE ATTACHED FOR MORE NOTES

10:00 OFFSITE

Prepared by: RYAN TEXON

Signed: 

FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS

PAGE 1 OF 1

PROJECT NUMBER: 97-101

DATE: 4/4/2006

ATHER: Temperature ~70°F Winds: —

Precipitation: OVERCAST

DESCRIPTION OF THE WORK: POST RAINFALL INSPECTION

10:00 ARRIVE GNSITE WITH IAN YUSKO

WAS SUPPOSED TO MEET UP WITH STORAGE UNIT MOVERS AS WELL AS CENTER ELECTRIC, BUT NEITHER SHOWED UP

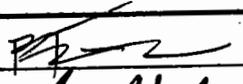
11:00 MOVED STORAGE BINS INTO TRAILER, DISPOSED OF CARDBOARD BOXES AND OTHER TRASH IN TRAILER

11:30 PERFORMED POST RAINFALL INSPECTION

12:00 OFF SITE

Prepared by: RYAN TEXON

IAN YUSKO

Signed: 



FIELD DAILY REPORT

PROJECT NAME: DEL AND PITS

PAGE 1 OF 1

PROJECT NUMBER: 97-101

DATE: 6/26/2006

WEATHER: Temperature ~ 85°F Winds: -

Precipitation: -

DESCRIPTION OF THE WORK: TAGGING & PLACEMENT OF MONITORING PORTS ON WELL HEADS

9:00 ARRIVE ONSITE WITH IAN YUSKO AND AUDREY CETOIS

~~RAIN~~ ~~GOING~~ ALREADY ONSITE

AUDREY AND BILL GO TO THE COMPOUND WHILE IAN AND I PLACE TAGS AND MONITORING PORTS ON WELL HEADS

SUPPLIES USED: $\frac{1}{2}$ " TO $\frac{1}{4}$ " BUSHINGS
 $\frac{1}{4}$ " TO $\frac{1}{8}$ " HOSE BARBS } MONITORING PORTS
HAMMER
TREE TAGS
LABELING PUNCHES } TAG REPLACEMENT
THIN WIRE
PLIERS

10:00 WE DECIDE TO WORK ON CLUSTER WELLS FIRST, SINCE THIS WILL BE A CONVENIENCE TO US WHEN WE START MONITORING ACTIVITIES

12:00 WE FINISH 3 SETS OF CLUSTER WELLS

1:00 LUNCH BREAK

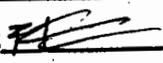
2:00 RETURN ONSITE

- COMPLETE 2 MORE SETS OF CLUSTER WELLS

3:30 OFFSITE

Prepared by: RYAN TEXON

IAN YUSKO

Signed: 

FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS

PAGE 1 OF 1

OBJECT NUMBER: 97-101

DATE: 6/27/2006

WEATHER: Temperature ~ 85°F Winds: -

Precipitation: -

DESCRIPTION OF THE WORK: TAGGING & PLACEMENT OF MONITORING PORTS ON WELL HEADS

11:30 ARRIVE ONSITE WITH IAN YUSKO

BILL COLE ONSITE

STEFAN KLEIN ONSITE

AUDREY CETOIS ONSITE

- IAN AND I GATHER MATERIALS NEEDED FOR TAGGING AND MONITORING PORT PLACEMENT

- CONTINUE TO REPLACE TAGS AND PLACE MONITORING PORTS

1:00 LUNCH BREAK

2:00 BACK ONSITE

- TWO MORE SETS OF CLUSTER WELLS ARE COMPLETED

- WE RUN OUT OF HOSE BARBS AND 1/2" TO 1/4" BUSHINGS

- DECIDE TO WAIT UNTIL WE PURCHASE MORE MATERIALS TO CONTINUE PLACING TAGS AND PORTS

3:30 OFFSITE

Prepared by: RYAN TEORON

IAN YUSKO

Signed: 

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 06/27/06

WEATHER: Temperature 85°F Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site Inspection (QUARTERLY)

2:00 pm - Rich Lane of USACOE arrived on-site for site inspection.
(IY and RT already on-site)

2:15 pm - Rich Lane, IY, and RT perform site walk around perimeter fence. Rich Lane points out a couple of small breaks in fencing along northwestern portion of property and recommended that All-Pro Fencing come and repair those breaks.

2:35 pm - Rich Lane, RT, + IY walk center of property where we inspect V-ditch stability, ground stability, and access road condition. Rich asked if we could have Avenue 2 cut back some shrubs growing into the ditch and blow excess debris from ditch. Rich also noticed increased gopher activity and recommended that we reconsider our pest control schedule or possibly hire a new outfit. He said road was in good condition.

2:55 pm - Check SVE system w/ Rich Lane. He said the system is in good operating condition.

3:10 pm - Rich Lane departs from site

3:15 pm - Complete Site Inspection Form

3:30 pm - Leave site w/ RT

Prepared by: Ian Yusko
Ryan Teoxon

Signed: Ian Yusko
RT

C2 REM FIELD DAILY REPORT

PROJECT NAME: DELAHO PITS PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 8/30/2006

WEATHER: Temperature ~ 85°F Winds: - Precipitation: -

DESCRIPTION OF THE WORK: 3RD QUARTERLY INSPECTION

9:00 ARRIVE ONSITE WITH IAN YUSKO
BILL COLE ALREADY ONSITE

11:30 RANDY KELLERMAN FROM CH2MHILL ONSITE

11:45 CONDUCT 3RD QUARTERLY INSPECTION OF THE SITE WITH RANDY AND IAN
- WALKED ALONG PERIMETER FENCE
- WALKED ALONG THE V-DITCHES AND STORM DRAINS
- CHECKED ON EXISTING GCTS SYSTEM

NOTED MAINTENANCE ISSUES: - WEEDS GROWING ALONG ACCESS ROAD
- GRAVEL MOUND NEXT TO V-DITCH
- TUMBLEWEEDS FOUND IN CULVERT
- NUMEROUS AREAS IN PERIMETER FENCE WHERE FENCE SEEMED LIFTED
- BREAK ON THE SOUTH PERIMETER FENCE
- GATES BENT TO HINDER MOVEMENT (SOUTH)
- NUMEROUS GOPHER HOLES ALONG THE CAP

- NEED TO CALL ALL PRO FENCING + TERMINIX TO ATTEND TO ISSUES

13:30 OFFSITE

Prepared by: RYAN TEOXON
IAN YUSKO

Signed: [Signature]
Ian Yusko

C2 REM FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 9/8/2006

WEATHER: Temperature ~85°F Winds: - Precipitation: -

DESCRIPTION OF THE WORK: TROUBLE SHOOT INTERNET/SERVER CONNECTION

10:00 AM ARRIVE ONSITE TO MEET WITH AKINS REPRESENTATIVE

11:00 AM AKINS REPRESENTATIVE (GREG) ONSITE

- GREG ENTERS THE TRAILER AND STARTS TO WORK ON THE LAPTOP

- HE ENTERS MS DOS PROMPT AND "PINGS" THE SERVER TO SEE IF IT'S
SENDING AND RECEIVING DATA

- GREG RECEIVES A RESPONSE FROM THE SERVER; THIS MEANS THAT THE
SERVER IS UP.

- HE CHECKS THE CONFIGURATION OF THE SERVER AND SAYS THAT EVERYTHING
SEEMS TO BE RUNNING FINE

- HE MENTIONS THAT THE NEXT TIME THE SERVER IS DOWN TO CALL
AKINS IMMEDIATELY SO THAT THEY COULD IDENTIFY THE PROBLEM ON THE SPOT

- GREG SETS UP THE LAPTOP SO THAT IT IS ACCESSIBLE FROM PERSONAL
COMPUTERS AT HOME

- SERVER I.P. ADDRESS : 71.132.92.93

12:30 AM GREG OFFSITE
OFFSITE

Prepared by: ~~RT~~ RYAN TEXAN

Signed: RT

C2 REM

FIELD DAILY REPORT

PROJECT NAME: DELAHO PITS PAGE 1 OF 1
PROJECT NUMBER: 97-101 DATE: 9/15/2006
WEATHER: Temperature ~80°F Winds: - Precipitation: -
DESCRIPTION OF THE WORK: NETWORK TROUBLESHOOTING

10:00 A.M. ARRIVE ONSITE

- WAIT FOR AKINS REPRESENTATIVE TO ARRIVE
- GO INSIDE TRAILER AND SIGN ON COMPUTER TO TRY TO CONNECT TO THE PLC UNIT
- CONNECTION WAS SUCCESSFUL
- MARK SMITH OF PRIME SYSTEMS CALLS AND SAYS HE SEES US WORKING ON THE SYSTEM
- I TELL HIM THAT I AM GOING TO CLOSE THE PLC MODULE ON THE LAPTOP SO THAT HE COULD WORK FREELY WITH THE PLC

10:45 A.M. GREG FROM AKINS ARRIVES ONSITE

- GREG CHANGES THE CONFIGURATION SO THAT THE ROUTER IS SET TO "PPPOE"
 - HE SAYS THAT THIS MODIFICATION SHOULD ENABLE THE ROUTER TO MAKE AUTHENTICATIONS INSTEAD OF THE MODEM (THIS WAS THE PROBLEM IN THE FIRST PLACE)
 - AFTER MAKING THE CHANGES, I CALL BILL AND THE OFFICE TO SEE IF THE VPN IS ACCESSIBLE
 - CONNECTION IS SUCCESSFUL
 - GREG CHECKS IN WITH GARY FROM AKINS
- GREG OFFSITE

11:30 OFFSITE

Prepared by: R. RYAN TEORON

Signed: [Signature]

C2 REM

FIELD DAILY REPORT

PROJECT NAME: DEL AMO WASTE PITS PAGE 1 OF 1
PROJECT NUMBER: 97-101 DATE: 11/30/2006
WEATHER: Temperature ~70°F Winds: WINDY Precipitation: ~
DESCRIPTION OF THE WORK: FOURTH QUARTERLY INSPECTION

10:00 A.M. - ARRIVE ONSITE WITH SHINTA AIZAWA AND APRIL HEATH

- SHINTA AND APRIL BREAK OFF TO CONDUCT BIMONTHLY MONITORING OF THE GCTS

- I WALK AROUND THE PERIMETER OF THE SITE TO CHECK FOR SIGNS OF DAMAGE TO THE PERIMETER FENCE

- FIND SOME CRACKS AND PLACES WHERE FENCE COULD BE PULLED DOWN TO GUARD AGAINST ANIMALS

- NOTICE PIECES OF LITTER STREWN ABOUT THE SITE

- NEED TO CONTACT LABOR READY TO HELP PICK UP LITTER

- NOTICE THAT THERE ARE TUMBLE WEEDS IN THE V-PITCH AREAS AND VEGETATION GROWING CLOSE TO THE DITCHES

- MANUALLY CLEARED OUT TUMBLEWEEDS

- NOTIFIED AVEVA ONE OF VEGETATION PROBLEM

- SPOKE WITH TERMINIX REPRESENTATIVE ABOUT THE GOPHER HOLES

1:00 P.M. OFFSITE

Prepared by: RF RYAN TEXON

Signed: RF