APPENDIX D - ZONE 4
REMEDIAL INVESTIGATION REPORT
PERIMETER GROUNDWATER OPERABLE UNIT (OU-5)

AEROJET-GENERAL SUPERFUND SITE
SACRAMENTO, CALIFORNIA

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D1 ZONE 4

This Appendix presents the Remedial Investigation (RI) for groundwater within the Zone 4 Perimeter Groundwater Operable Unit (Zone 4 PGOU). The Zone 4 PGOU addresses groundwater flowing towards and beyond the northern Aerojet property boundary (Figure D-1). The following sections describe physical characteristics and background information (Section D1); groundwater flow (Section D2); the distribution of chemicals in groundwater (Section D3); recommendations (Section D4); and references cited (Section D5).

D1.1 Physical Characteristics and Background Information

The physical characteristics of the Zone 4 PGOU, including the location, topography, land use, groundwater use, and surface water bodies are presented in the following subsections. In addition, background information are discussed including historical operations and chemical handling, data collected from Exhibit III Potential Source Sites, and the existing remedial actions for groundwater in the Zone 4 PGOU.

D1.1.1 Location

Zone 4 is located in the northern portion of the Aerojet Site, and is bounded by Folsom Boulevard to the west, US Highway 50 to the north, Prairie City Road to the east, and Aerojet property to the south (Figure D-1). The Zone 1 PGOU is located on the western perimeter of the Zone 4 PGOU and the Zone 3 PGOU is located to the south. The Zone 4 PGOU is located on Aerojet property and encompasses approximately 373 acres of undeveloped land not historically used for industrial operations, the majority of which was removed from the Superfund Site boundaries in 2000 (Modified Partial Consent Decree, 2000).

The groundwater beneath the Zone 4 PGOU was previously divided into groundwater management Sectors A and C to reflect the northern and northwestern groundwater flow directions, respectively (Figure D-1). Sector D is located to the west-southwest of Sector C, and Sector B is located south of Sector A. The Groundwater Extraction and Treatment A (GET A) facility and industrial manufacturing Areas 30, 31, and 32 are located in Sector A. The northern portions of manufacturing Area 46 and the former Aerojet solid waste landfill are located in Sector C.

D1.1.2 Topography

Figure D-2 shows the surface topography in Zone 4. The overall ground surface is generally planer and dips slightly to the southwest. The ground surface elevations range from approximately 350 feet above Mean Sea Level (ft msl) at the northeast Aerojet property boundary to approximately 150 ft msl in the west. An east-west trending erosional channel incised by Alder Creek bisects the planer surface. The Alder Creek channel is an important topographic feature formed by erosion of the sediments by Alder Creek, and resulting removal of the northern portions of some of the shallow aquifer layers. The base of the creek-bed is approximately 40 to 70 feet lower than the land surfaces to the north and south.

D1.1.3 Surface Water

Alder Creek is the primary surface water feature in Zone 4 [Figure 1-6 in Section 1 of the Feasibility Study (FS)]. Alder Creek flows from east to west approximately parallel to the northern Aerojet property boundary. Alder Creek exits the Aerojet property to the west, where it discharges to Lake Natoma and ultimately the American River. The eastern portion of Alder Creek is typically dry during the summer and fall months; however, the western portion of the creek often contains water year-round. Aerojet Lake is formed by a dam located approximately 1,500 feet east of the northwestern Aerojet property boundary.

Other surface water bodies in Zone 4 include Rebel Hill Ditch, a man-made ditch formerly used to convey water for gold dredging. Rebel Hill Ditch formerly conveyed water southwest from the Zone 4 PGOU into Zone 3.

There are two seasonal groundwater seeps in the Zone 4 PGOU that are typically present during the winter and spring months (Figure D-1). The seeps are present on the hillside south of Alder Creek and were assigned identification numbers for sample tracking purposes. The eastern seep was designated as Seep 6154 and the western Seep was designated as Seep 6155. A third potential seep labeled as Seep #3 on Figure D-1 was determined to be storm-water runoff during field reconnaissance (Section D.3.5).

D1.1.4 Land Use

The Aerojet property was designated as a "Special Planning Area" by Sacramento County Ordinance, Title V, Chapter 8, Article 3 of the Zoning Code of Sacramento County (County of Sacramento, 1993). This ordinance identifies existing permitted uses and "provides a regulatory mechanism for making land use decisions that maintain a safe environment in which the subject property can be used given the special requirements of the property owner".

The land within the PGOU is currently undeveloped and land upgradient contains manufacturing and testing areas that are described in Section D1.2.4. Non-industrial areas within Zone 4 were removed from the Superfund Site boundaries in September 2001. These "Carve-out" areas are subject to changes in ownership and may support residential, commercial, industrial, or recreational uses, as appropriate. Figure 1-4 in Section 1 of the FS shows the existing Superfund site boundaries and the Carve-out areas.

D1.1.5 Groundwater Use

The Zone 4 PGOU is located in the upgradient portions of the Sacramento Groundwater Basin. Groundwater within Zone 4 is not currently used, although it is considered a Federal Classification IIA drinking water aquifer. Potential uses of groundwater downgradient of the PGOU include domestic, municipal, industrial, recreational, and agricultural water supply. Groundwater within Zone 4 on Aerojet-owned property is not used, and portions of the land are encumbered by environmental restrictions on future groundwater use. A survey of private wells located near Zone 4 was conducted in 1991 during the Stage 1 RI. The survey was updated for this RI to verify the current domestic and agricultural uses of groundwater by private parties within a 1-mile radius of the Zone 4 PGOU. The results of the survey are presented in Section 1.2.2.4 of the FS. Private water supply wells are shown on Figures 1-5A and 1-5B and well details are summarized in Table 1-2.

Twenty-one wells located within a 1-mile radius of Zone 4 were identified during the private well survey. The twenty-one wells included nine destroyed wells, seven abandoned wells, two monitor wells, one private well that could not be located in the field, and one well (Well 1871) used only in emergencies for industrial operations (Table 1-2). One additional well (Well 1368) identified is used for domestic purposes; this well is located upgradient of the Aerojet site and does not require groundwater monitoring.

D1.2 Historical Activities

The following sections summarize historical operations conducted in the industrial areas upgradient of the Zone 4 PGOU. The descriptions are largely from the Aerojet Site - Stage 1 RI Report Zones 3 and 4 (ICF Kaiser, 1993). This discussion identifies the historical activities, types of chemicals and materials handled, previous investigations, potential source areas, previous cleanup actions, and the existing data. This information supports the evaluation of the distribution of chemicals in groundwater and the Site Conceptual Model.

D1.2.1 Historical Operations

Historical and recent operations in Zone 4 primarily supported the testing of liquid rocket engines in manufacturing Areas 30, 31, and 32. Groundwater beneath these areas is included in Sector A. Solid rocket motors were tested in Area 46, and groundwater beneath the northern portions of Area 46 is included in Sector C. The former Aerojet solid waste landfill is located hydraulically downgradient (northwest) of Area 46 in Sector C. The following activities were conducted in each of the manufacturing areas:

- Area 30 - Liquid rocket engine and component testing, closed-loop pump-testing, and solvent storage.
- Areas 31 & 32 - Titan and Apollo engine cleaning and closed loop propulsion testing.
- Area 46 - Solid rocket motor, instrumentation, vibrational, and structural testing.
- Aerojet Landfill - Three solid waste management units (SWMUs) operated as Class III inert solid waste repositories and a fourth SWMU operated as a Class III repository for asbestos containing materials.
- Area 21 - Former water filtration plant located near the western boundary of the Zone 4 PGOU in Sector C, adjacent to Zone 1. Chemicals were not reported in soil samples analyzed from Area 21 during the Stage 1 RI (ICF Kaiser, 1993). The RI/FS for this area was completed and is included within Part 2 of this report.

D1.2.2 Chemicals Handled

Chemicals reportedly handled in Zone 4 and the eastern portions of Zone 1 upgradient of the PGOU include solvents, fuels, oxidizers, metals, acids, oils, and other miscellaneous compounds. The Scoping and Stage 1 RI Reports summarized the materials handled at each Exhibit III Potential Source Site (Potential Source Site) identified in the Partial Consent Decree (PCD)(ICF Kaiser, 1989, 1993)(PCD, 1989). The following list summarizes the primary materials handled in manufacturing areas upgradient of the PGOU:

- Solvents - 1,1,1-Trichloroethane (TCA); trichloroethene (TCE); tetrachloroethene (PCE); 1,1,2-trichloro-1,2,2-triflouroethane (Freon-113); methanol; methylene chloride; and isopropyl alcohol.

- Fuels & Oxidizers - Unsymmetrical dimethyl hydrazine, hydrazine, kerosene, hydrazine propellants, liquid hydrogen, ammonium perchlorate, liquid oxygen, nitrogen tetroxide, nitrates, JP-4, RP-1, and hydrogen peroxide.
- Metals - Aluminum, copper sulfate, mercury, and silver.
- Acids - Nitric and hydroxyacetic.
- Oils - Hydraulic oil, motor oils, and poly-chlorinated biphenol (PCB) oil.
- Miscellaneous - Sodium hydroxide, sodium hyposulfate, sodium sulfite, detergents, ethylene glycol, and photo processing chemicals.

The primary sources of chemicals to groundwater in Zone 4 are associated with liquid rocket testing, parts cleaning, and associated operations. Waste management practices varied during historical operations. Liquid wastes were often directed to sumps, lined and unlined evaporation ponds, or chemical storage tanks. The deluge water from liquid rocket testing was directed to sumps, ponds, and holding areas via surface canals where it was treated with hydrogen peroxide, copper sulfate, or caustic soda prior to being discharged to Buffalo Creek. The solid waste landfills reportedly accepted inert solid waste, although recent investigations have yielded some chemicals in the waste and soil at the landfills.

D1.2.3 Previous Investigations

The geologic and hydrologic conditions, distribution of chemicals in groundwater, and evaluation of source areas in Zone 4 have been studied since the mid-1980's. The background information for the PGOU RI/FS and the interpretations of geologic, hydrologic, and chemical conditions in the Zone 4 PGOU groundwater were presented in the following reports:

- "*Scoping Report and Phase 1 RI/FS Workplan*": Identified and summarized existing history of potential source sites; evaluated chemical use and disposal; proposed analytical methods for sampling and analysis, including an analytical approach to evaluate non-standard chemicals for the Stage 1 RI/FS (ICF Technology, 1989).
- "*Stage 1 RI/FS Report – Zones 3 and 4*": Results of soil-gas, soil, and groundwater samples collected from source sites in Zones 3 and 4 (ICF Kaiser Engineers, 1993).
- "*Zone 4 GET Effectiveness Report*": Summary of geologic and hydrologic conditions near GET A were provided in this report (Aerojet, 1995).
- "*Hydrogeologic Evaluation of Western Zone 4*": An unpublished technical report regarding the hydrogeology of western Zone 4 (Aerojet, 1994).
- "*Aerojet Landfill, Solid Waste Assessment Test (SWAT) Report*": Initial investigation of soil, surface water, and groundwater at the Aerojet Landfill (McLaren Environmental Engineering, 1987).
- "*Final Closure and Post Closure Maintenance Plan for the Aerojet Landfill*": Describes closure and post-closure monitoring. Summarizes waste, vadose zone (soil-gas and soil sampling) and groundwater sampling conducted in 1994-1995 at the closed Aerojet Landfill (Minshew Engineering, 1997).
- "*Stage 2 RI/FS Sampling and Analysis Work Plan*": Work plans to complete RI/FS activities at source areas. Characterization primarily for non-volatile organic compounds detected in soil or groundwater during the Stage 1 RI/FS (GenCorp Aerojet, 1999).

D1.2.4 Potential Source Sites

During the Stage 1 RI, approximately 39 Potential Source Sites located in Manufacturing Areas 30, 31, 32 and the northern portions of Area 46 were investigated (ICF Kaiser, 1993). These Potential Source Sites are shown on Figure D-1. The chemicals detected in soil and groundwater during the Stage 1 RI provided the basis for the current groundwater monitoring performed in Zone 4.

Volatile organic compounds (VOCs), primarily chlorinated solvents, were the most common compounds reported in soil and groundwater during the Stage 1 RI. Consequently VOCs are routinely monitored in Zone 4 groundwater. The non-VOCs reported in soil and groundwater samples collected from the Potential Source Sites in Zone 4 and Area 46 are summarized in Table D-1. The non-VOCs detected included: 1,4-dioxane, di-n-butyl phthalate, bis-2-ethylhexyl phthalate, 4-methylphenol, PCBs, perchlorate, N-Nitrosodimethylamine (NDMA), nitrate, hydrocarbons, kerosene, and metals. NDMA, a potential impurity or combustion by-product of hydrazine-based fuels, is the most commonly detected non-VOC in Zone 4 groundwater (Aerojet, 2003).

D1.2.4.1 Area 30

Area 30 is the closest manufacturing area upgradient of the Zone 4 PGOU (Figure D-1). TCE was the most commonly detected chemical in Area 30 during the Stage 1 RI, and TCE concentrations approaching the vapor-phase saturation limits were reported in soil-gas samples collected from Site 2A (ICF Kaiser, 1993). Additional VOCs detected in soil gas at relatively lower concentrations included Freon-113; 1,2-dichloroethene (1,2-DCE); and PCE. NDMA was reported in one soil sample from potential source Site 1A (Table D-1). Copper and mercury were reported in soils above the presumed site background levels at four Potential Source Sites, but were not reported above Primary or Secondary Maximum Contaminant Levels (MCLs) in shallow groundwater (Table D-1)(ICF Kaiser, 1993).

D1.2.4.2 Areas 31 and 32

Areas 31 and 32 are located in Sector A, upgradient of Area 30 (Figure D-1). Engine cleaning and testing activities were performed in Areas 31 and 32 and VOCs used in the cleaning processes were reported at several Potential Source Sites. VOC concentrations approaching the vapor-phase saturation limits were reported for 1,1,1-TCA and Freon-113. Lower concentrations of numerous other VOCs were also detected in soil-gas, with TCE; 1,2-DCE; and 1,1-DCE being the most common. The same VOCs were also reported in groundwater samples. NDMA was not reported in soil samples collected from Areas 31 or 32; however, NDMA was detected in groundwater (Table D-1).

D1.2.4.3 Area 46

The northern portions of Area 46 are located hydraulically upgradient of Sector C. Solid rocket motor testing activities were conducted in Area 46. In the northern portion of Area 46, TCE and petroleum hydrocarbons were the only site-related chemicals detected in soils. TCE was reported at relatively low concentrations in soil gas at Potential Source Site 1C. This compound was also reported in groundwater. Total petroleum hydrocarbons as diesel (TPH-d) were reported at concentrations up to 20,900 mg/kg in soils beneath Site 1C (Table D-1). Aromatic

hydrocarbons (e.g., benzene, toluene, ethylbenzene, and xylenes) were not detected in groundwater and TPH-d is not routinely sampled. Perchlorate was not detected in soil samples collected from Area 46. There was no known use of hydrazine-based fuels in Area 46 and NDMA sampling was not conducted during the Stage 1 RI.

D1.2.4.4 Former Aerojet Solid Waste Landfill

The former Aerojet solid waste landfill consists of four SWMUs located within an approximate 190-acre area. Three of the SWMUs operated as Class III inert solid waste repositories from 1966 through 1989. The fourth SWMU was operated as a Class III repository for asbestos containing materials from 1981 through 1990 (Minshew Engineering, 1997). The landfill was capped and the final closure report was prepared in 1997 (Minshew Engineering, 1997).

The former Aerojet solid waste landfill was not investigated during the Stage 1 RI; however, it was investigated separately with oversight from the California Integrated Waste Management Board and the California Regional Water Quality Control Board (CRWQCB). The former landfill is not a listed Potential Source Site; however chemicals in groundwater beneath and downgradient of the former landfill is addressed by the PGOU RI/FS. A recent landfill investigation conducted in 2004 identified several constituents in the landfill waste including VOCs, Semi-Volatile Organic Compounds (SVOCs), perchlorate, petroleum hydrocarbons, PCBs, herbicides, and pesticides (ERM, 2005).

D1.2.5 Existing Remedial Actions

Chemical impacts to groundwater from potential source areas in Sector A have primarily been addressed through construction and operation of the GET A facility. There are no active remedial actions in place for groundwater in Sector C. The GET A extraction well field consists of ten extraction wells and has been operating since 1986. As of January 2005, 2.5 billion gallons of groundwater have been treated by the GET A system. The GET A extraction wells initially produced a cumulative flow rate of approximately 360 gallons per minute (gpm); however the extraction well yields have declined and the current cumulative pumping rate is approximately 250 gpm.

The GET A system utilizes an ultra-violet (UV) light treatment process to destroy NDMA. Hydrogen peroxide is added to the UV system (UV/oxidation) for removal of some VOCs and potentially 1,4-dioxane. Following UV/oxidation, the remaining VOCs are removed via an air-stripper. The groundwater treated at GET A is discharged to Rebel Hill Ditch and infiltrates into the dredge tailings south of GET A (Figure D-1).

D2 GROUNDWATER FLOW CHARACTERISTICS

The data presented in this section provide the basis for the presentation of chemical iso-concentration maps, analysis of fate and transport, and the evaluation of the GET A effectiveness that will be conducted for the Feasibility Study. The hydrostratigraphic layers and hydraulic gradients for each layer are discussed in the following sections.

D2.1 Hydrostratigraphic Layers

The water-bearing sediments beneath Zone 4 were divided into four hydrostratigraphic layers (layers) based on lithologic descriptions, water levels, geophysical data, pumping test data, chemical data, and relative depths and thicknesses. The four layers include the Dredged Layer, Layer A, Layer B, and Bedrock. In the east, the Dredged Layer and Layer B are generally absent, and Layer A overlies the Bedrock Layer. The sediments thicken to the west and the Dredged Layer overlies Layers A, B, and Bedrock. The following descriptions of the hydrostratigraphic layers were most-recently presented in the Zone 4 GET Effectiveness Report (GET A Report) (Aerojet, 1995). These descriptions have been updated where new information is available, although the layer designations remain unchanged.

The general lithology and hydrostratigraphic layer boundaries are presented on three cross-sections updated from the GET A Report. The cross-section transects are shown on Figure D-3 and include Cross-sections A-A', B-B', and C-C'. Cross-section A-A' trends north-northwest to south-southeast across Sector C, approximately parallel to the direction of groundwater flow (Figure D-4). Cross-section B-B' trends west to east, parallel to Alder Creek (Figure D-5). Cross-section C-C' trends north to south, approximately parallel to the groundwater flow direction in the eastern portion of Zone 4 (Figure D-6).

Figure D-7 shows the contoured sediment thickness above bedrock in the eastern and central portions of Zone 4; bedrock has not been encountered in western Zone 4. The thickness of the sedimentary sequence was estimated by contouring the depths from ground surface to bedrock at monitor well locations where bedrock was reached. A bedrock outcrop located near the Highway 50/Prairie City Road interchange was also incorporated. Surfer® (Version 8) was used to prepare the contours. The thickness of the sediments increases from zero feet where bedrock outcrops at the northeastern corner of Zone 4, to approximately 340 feet to the southwest. The sediments overlaying bedrock near the GET A extraction wells along Alder Creek are approximately 80 feet thick.

D2.1.1 Dredged Layer

Where present, the Dredged Layer is the shallowest layer and is comprised of ancestral American River sediments that have been reworked by dredging activities. The Dredged Layer is distinguished by a lack of original depositional features due to the gold-dredging. As shown on Figure D-2, the Dredged Layer is present throughout western Zone 4, beneath the former Aerojet Landfill and Area 46, and it is present in the western portion of Sector A. The Dredged Layer extends from the ground surface to approximate depths ranging from 40 to 120 feet below ground surface (bgs).

The deepest dredged sediments are typically comprised of silt and clay and are overlain by linear, parallel windrows of sand and gravel. Deposits of silt and clay (i.e., slickens) are present at the surface between the sand and gravel windrows.

D2.1.2 Layer A

Layer A is present throughout Zone 4 and is composed of clay, silt, sand, consolidated sand, and gravel (Figures D-4 through D-6). The silt and clay materials typically comprise over half of the 30 to 190-foot thickness of Layer A. In the undredged eastern portion of Sector A, and in the Alder Creek channel cut, the Dredged Layer is absent and Layer A is the shallowest layer. In these areas, Layer A is present at depths of approximately 25 feet bgs and is typically underlain by clay that overlies bedrock. Where dredged, the top of Layer A is encountered at depths of 40 to 120 feet bgs. The aquitard separating Layers A and B is approximately 50 feet thick.

D2.1.3 Layer B

Layer B is present in the western portions of Zone 4 (Figures D-4 and D-5). The saturated portions of Layer B are comprised predominantly of sand, gravel and shale fragments. The depth to the top of Layer B ranges from approximately 90 ft bgs near Alder Creek to 150 ft bgs beneath the Aerojet Landfill. Layer B ranges from 30 to 50 feet thick.

D2.1.4 Bedrock

Bedrock composed of Jurassic shale and slate outcrops at the eastern Aerojet property boundary near Alder Creek. The bedrock surface is irregular, but generally dips from three to four degrees to the west under the surrounding sediments (ICF Kaiser, 1993). Bedrock was encountered during the construction of many monitor wells drilled in Zone 4, and all of the GET A extraction wells are constructed with the bottom of their screened intervals completed at the Layer A/Bedrock interface (Figure D-6). Figure D-7 shows the depth to bedrock within Zone 4 and the thickness of the sediments above the bedrock. The top of bedrock was encountered up to 172 feet bgs in eastern Zone 4. The depth to bedrock in the western portion of Zone 4 is uncertain because no wells were drilled to bedrock in this area.

D2.2 Groundwater Gradients

Potentiometric surface maps were prepared to evaluate lateral and vertical hydraulic gradients in each of the hydrostratigraphic layers (Figures D-8 through D-15). Hydrographs were prepared for selected wells to assess temporal groundwater elevation trends (Figures D-16 through D-19). Vertical head difference maps were prepared by using the “grid-math” feature in Surfer to find the difference in potentiometric surfaces between two adjacent aquifer layers (Figures D-20 through D-22). Well construction details for each of the wells used to create the potentiometric surface maps are included in Table D-2.

The potentiometric surface maps were created from two time-periods for each layer. Two separate monitoring periods were presented to compare seasonal water level differences. The first set of maps were prepared based on data collected in October 2003, and the second set was generated using data collected in April 2004. The two monitoring periods coincide with plant-wide water level measurement events. The potentiometric surface maps were generated using Surfer® for Windows (Version 7) to create the initial contour lines. The contour lines were then reviewed and trimmed near some border areas where the data did not support the extension of the contour lines generated by Surfer®. The average water levels were used in areas where more than one well was screened in the layer. Water levels from the GET A extraction wells were omitted from the data set used to prepare the contour maps.

In Sector A, the overall hydraulic gradient is to the north-northwest in Layer A and in the Bedrock Layer. In Sector C, the overall hydraulic gradient is northwest to west in the Dredged Layer and in Layers A and B. The hydraulic gradient varies locally in areas where groundwater is extracted.

D2.2.1 Dredged Layer

The Dredged Layer is saturated in a small area in western Sector A and throughout most of Sector C. The highest groundwater elevations (258 ft. msl) were observed in the southeast and decrease to the northwest near the Aerojet Landfill (Figures D-8 and D-9). The hydraulic gradient is to the northwest with an average magnitude of approximately 0.012 foot per foot (ft/ft). The magnitude of the hydraulic gradient increases to 0.020 ft/ft near the northern portion of the Aerojet Landfill. The Dredged Layer is absent north of the landfill near Alder Creek, and it appears that groundwater from the Dredged Layer migrates vertically and laterally into Layer A.

D2.2.2 Layer A

Layer A is saturated throughout Zone 4. Groundwater elevations in Layer A decrease from approximately 288 ft msl in the southeast to 167 ft msl in the northwest (Figures D-10 and D-11). Groundwater elevations in Layer A are highest in Area 32 and groundwater from this area flows south towards Zone 3 and north towards Zone 4. The hydraulic gradient in Zone 4 is to the north northwest with a magnitude of approximately 0.009 ft/ft. Hydraulic gradients are generally steeper near Alder Creek (up to 0.019 ft/ft).

Water-level elevation trends were evaluated by preparing hydrographs for 8 monitor wells screened in Layer A (Figures D-16 through D-19). The hydrographs for Wells 143, 144, and 361 show that water levels have decreased between 12 and 15 feet from 1982 to 2003 upgradient of the PGOU (Figures D-16 and D-17). Hydrographs for 435, 481, 444, 3220, and 3286, located near Alder Creek and near the GET A extraction wells, show water levels decreasing between 2 and 20 feet from 1984 to 1991, and then increasing between 0 and 5 feet thereafter (Figures D-17 through D-19). The increasing water levels may be related to steadily declining extraction rates at GET A.

D2.2.3 Layer B

Layer B sediments are only present in the western portion of Sector C. Groundwater elevations in Layer B range from approximately 220 ft msl in the south to 180 ft msl near the northwestern PGOU boundary (Figures D-12 and D-13). The contoured potentiometric surface of Layer B shows that the hydraulic gradient is generally to the northwest with an average magnitude of approximately 0.012 ft/ft.

D2.2.4 Bedrock

Groundwater elevations in Bedrock wells ranged from approximately 264 ft msl near Area 32, to 222 ft msl near Alder Creek and the GET A extraction wells (Figures D-14 and D-15). The contoured potentiometric surface of the Bedrock shows that the hydraulic gradient is to the northwest with a magnitude of approximately 0.008 ft/ft. There are no groundwater monitoring wells completed in Bedrock in Sector C.

D2.3 Potentiometric Surface Elevation Differences

Potential vertical gradients were assessed by evaluating the differences in the elevations of the potentiometric surfaces between layers (head differences). Groundwater may move upwards or downwards between layers if there are sufficient head differences and permeable sediments in adjacent layers. Figures D-20 through D-22 present the head differences between the hydrostratigraphic layers including the Dredged Layer and Layer A (Figure D-20), Layer A and Layer B (Figure D-21), and Layer A and Bedrock (Figure D-22).

The potentiometric surface elevation of the Dredged Layer is approximately 5 to 25 feet higher than the potentiometric surface elevation of underlying Layer A (Figure D-20), suggesting that groundwater could migrate downwards from the Dredged Layer into Layer A. The potentiometric surface elevation of Layer B is higher than Layer A in the western portion of the Zone 4 PGOU (Figure D-21), suggesting that groundwater could migrate upward from Layer B to Layer A. The potentiometric surface elevation for the bedrock wells is approximately the same as the potentiometric surface elevation for overlying Layer A in Sector A (Figure D-22). Near Alder Creek, the potentiometric surface of the Bedrock is approximately 5 feet higher than the potentiometric surface elevation of Layer A, suggesting the potential for discharge from the Bedrock to Layer A.

D2.4 Aquifer Test Results

Aquifer properties were estimated from aquifer test data collected during several tests conducted in Zone 4. Aquifer tests were performed on GET A extraction wells in June 1991 (Wells 4100 and 4110) and in September 1993 (Wells 4012 and 4013)(Aerojet, 1993, 1994). The hydraulic conductivity, storativity, and transmissivity of the aquifer were estimated and these values are summarized in Table D-3. Hydraulic conductivity estimates ranged from 0.13 to 890 feet per day. The higher hydraulic conductivities were associated with wells located near Alder Creek, and are within the range of values expected for a sandy aquifer (Fetter, 1988). The storage coefficient values range between 10-1 and 10-4, which are characteristic of values associated with unconfined (10-1 to 10 –2) and confined (10-3 to 10-4) aquifers. The estimated transmissivity of the aquifer ranged from 94 to 6,056 gallons per day per foot (Table D-3).

D2.5 Surface Water and Groundwater Interaction

Potential groundwater and surface water interaction was evaluated by comparing the water level elevations at two groundwater seeps identified in Zone 4, the Layer A potentiometric surface, and Alder Creek. Samples were also collected from the seeps to assess potential chemical impact to surface water from groundwater discharge.

D2.5.1 Groundwater Seeps

Two groundwater seeps were previously observed on the hillside south of Alder Creek (Figure D-1). Seep 6154 is located on the hillside south of Alder Creek, downgradient of the former solid waste landfill. Seep 6155 is also located on the hillside south of Alder Creek, in the western portions of Zone 4 . The seeps represent areas where groundwater is visibly discharging to the surface, although the groundwater may be from local infiltration and is not necessarily hydraulically connected with the groundwater in the hydrostratigraphic layers. Both seeps are typically present in the winter and spring during the rainy season but they are often dry during the summer and fall months.

Field reconnaissance was conducted along the Alder Creek channel in February and June 2003 to sample the known seeps and to identify any additional seeps. During the field reconnaissance, standing water observed near Alder Creek in eastern Zone 4 was identified as Seep #3. Subsequent review of topographic maps near Seep #3 suggest Seep #3 was located in an abandoned channel of Alder Creek and was likely standing water. Seep #3 was not present during a second reconnaissance conducted in June 2003. Samples from the potential seep collected in February 2003 were analyzed for VOCs, perchlorate and NDMA. None of these compounds were reported above their respective laboratory detection limits (Table D-4).

The seep elevations were compared to October 2002 groundwater elevations in nearby monitor wells. The ground surface elevation at each seep was estimated from the United States Geological Survey (USGS) topographic map for the Folsom Quadrangle (USGS, 1980). Samples were collected from the seeps in February 2003 to assess whether there were chemicals present in the discharged water (Table D-4).

The elevation of Seep 6154 is approximately 210 to 220 ft msl and the potentiometric surface elevation for Layer A in the area is approximately 205 to 210 ft msl. Seep 6154 is higher in elevation than the potentiometric surface for Layer A, suggesting that Seep 6154 does not represent Layer A surface discharge. Water samples collected from Seep 6154 were analyzed for VOCs, perchlorate and NDMA. None of the compounds were reported above their respective laboratory detection limits (Table D-4).

The surface elevation at Seep 6155 is approximately 180 to 190 ft msl. The nearest monitor well to Seep 6155 is screened in Layer A (Well 99). The potentiometric surface elevation in Well 99 was 222.57 ft msl in October 2002. The lower elevation of Seep 6155 compared to the potentiometric surface of Layer A suggest that Seep 6155 may be surface discharge of Layer A. Water samples collected from Seep 6155 were analyzed for VOCs, perchlorate and NDMA. None of the compounds were reported above their respective laboratory detection limits (Table D-4).

D2.5.2 Potential Regional Groundwater Discharge

Comparing the elevations of the potentiometric surface for Layer A with the elevation for Alder Creek provided a qualitative assessment of potential groundwater discharge to Alder Creek. Layer A is the shallowest layer near Alder Creek. The potentiometric surfaces measured in wells located near Alder Creek are shown on east-west Cross-section B-B', constructed parallel to Alder Creek (Figure D-5).

Most of the potentiometric surface elevations for wells screened in Layer A are similar to the ground surface elevations near the wells and near Alder Creek. These data suggest that there is the potential for upwards movement of Layer A groundwater towards the ground surface and potentially into Alder Creek. However, water level and soil-gas data suggest that confining layers may impede the upwards vertical movement of groundwater from Layer A to Alder Creek.

Soil-gas data samples were collected in 1999 near Alder Creek, north of the former solid waste landfill. The ability to collect soil-gas samples implies that there are unsaturated sediments below the base of Alder Creek and below the potentiometric surfaces elevations (ERM, 2000). The unsaturated sediments below Alder Creek suggest that there is not an upward discharge of groundwater into the creek in areas where the soil-gas samples were collected and potentially over a wider area.

Groundwater discharge from Layers A and B into Alder Creek is not supported by the observed increase in potentiometric surface elevations with depth. Potentiometric surface elevations measured in deep and shallow well pairs from locations near Alder Creek support the presence of confining sediments. In general, the potentiometric surface elevations are higher in the deeper screened intervals than those observed in the shallower screened intervals at the same locations. This is observed in well pairs with small differences between screened intervals (tens of feet) and in well pairs with screened interval separations of greater than 100 feet. The higher elevations in deeper wells compared to shallower wells suggest that the groundwater is partially confined, and that the confining sediments should impede upward groundwater movement and discharge into Alder Creek.

D3 DISTRIBUTION OF CHEMICALS IN GROUNDWATER

This section describes the nature and extent of chemicals detected in groundwater beneath Zone 4. The following subsections describe the classes or types of chemicals detected (e.g., VOCs) from the shallowest (Dredged Layer) to the deepest (Bedrock Layer) layers.

Wells in Zone 4 are routinely monitored under the Annual Aerojet Site-Wide Groundwater Monitoring Plan (Aerojet, 2003). Zone 4 groundwater monitoring is conducted to assess VOCs and NDMA near the GET A system, to assess the western extents of NDMA and VOCs in Zone 4, and to monitor the landfill in accordance with RWQCB Waste Discharge Requirements [WDRs CAO 88-150 (RWQCB, 1988)](Aerojet, 2003).

The majority of water quality data presented in this section were collected between January 2000 and June 2004. In the following sections, this timeframe is referred to as the RI Sampling Period. In addition, some data collected prior to January 2000 were incorporated to evaluate chemical concentration trends. Supplemental data collected after June 2004 are also included to address recent sampling conducted near the former solid waste landfill, to assess the plume extents, and to assess chemical concentrations in the GET A effluent.

The water quality data collected during the RI Sampling Period are summarized in Tables D-5 through D-8. Table D-9 presents a list of the supplemental sampling conducted as a result of the separate landfill investigation and the results of this supplemental sampling are summarized in Table D-10. The analytical results were abbreviated in the tables due to the large amount of data that were collected. However a compact disc containing the database output for the sampling conducted during the RI Sampling Period is included as Appendix L. The VOC and metals tables summarize the analytical results for compounds detected at least one time during the RI Sampling Period. Compounds not detected during RI Sampling Period are omitted from these tables. The data summary tables prepared for perchlorate, NDMA, and other miscellaneous compounds include both detects and non-detects.

TCE and NDMA were the most frequently analyzed and detected compounds in the Zone 4 PGOU. Limited sampling for perchlorate was also conducted. The extents of TCE, NDMA, and perchlorate appear to encompass the extents of the other chemicals reported in the Zone 4 PGOU, and the combined extents of these compounds provided the basis for developing and evaluating the remedial alternatives in the Feasibility Study.

Chemical iso-concentration maps were prepared for each layer for those chemicals that were reported frequently or that were widely distributed. There were relatively few wells and relatively few chemicals detected in the Dredged Layer, and a single figure was prepared illustrating the chemicals detected (Figure D-23). For Layer A, figures illustrating the distribution of TCE, Freon-113, 1,4-dioxane, NDMA and perchlorate were prepared (Figures D-24 to D-28, respectively). For Layer B, figures were prepared showing the distribution of NDMA and perchlorate (Figures D-29 and D-30, respectively). Figure D-31 presents the distribution of TCE in the Bedrock Layer. Figures D-32 through D-36 present chemical concentration trends over time for individual wells.

The most recent sample results from a given well are posted on the chemical iso-concentration maps if a well was sampled more than one time during the RI Sampling Period. Data reported with laboratory qualifiers are included in this evaluation and are flagged with the appropriate qualifier in the text, tables, and on the figures. NDMA data reported between the Practical

Quantitation Limit (PQL)[0.005 micrograms per liter (µg/L)] and the Method Detection Limit (MDL)(0.0005 µg/L) are qualified with a "J" flag. "Historical" data are posted on the figures and noted with a single asterisk (*) if no data were available from the RI Sampling Period. "Supplemental" data collected after the RI Sampling Period are posted and noted on the figures with a double asterisk (**).

The laboratory reporting limits for antimony and thallium were above their respective MCLs (Table D-7). However, antimony and thallium were not detected in any of the wells sampled and there are no reported uses of these compounds in Zone 4. In some instances, the laboratory detection limits for arsenic, beryllium, lead, and molybdenum were above their respective MCLs, although at least one analysis was conducted during the RI Sampling Period using a laboratory reporting limit at or below MCLs.

D3.1 Dredged Layer

The Dredged Layer is the shallowest hydrostratigraphic layer and it is present only in the western portions of Zone 4. There are 17 monitor wells screened in the Dredged Layer, most of which are located around the perimeters of the former Aerojet solid waste landfill (Figure D-23). The landfill perimeter wells are routinely sampled for halogenated VOCs, aromatic VOCs, metals and minerals, total organic carbon (TOC), alkalinity, chloride, nitrate, sulfate, total dissolved solids (TDS), pH and conductance. The remaining Dredged Layer monitor wells are upgradient to the east and southeast of the former landfill and are typically monitored for VOCs and NDMA.

D3.1.1 Volatile Organic Compounds (VOCs)

The VOCs detected in the Dredged Layer monitor wells are summarized in Tables D-5 and D-10 and are shown on Figure D-23. VOCs were reported above MCLs in three of the 17 Dredged Layer monitor wells. TCE (up to 7.1 µg/L); 1,2-DCA (up to 0.6J µg/L); and 1,2-DCE (up to 16 µg/L) were detected above their respective MCLs in Monitor Wells 3497, 3187, and 3418 (Figure D-23). Chloroform, Freon-11, and 1,1-DCA were also reported at concentrations below their respective MCLs.

D3.1.2 Semi-Volatile Organic Compounds (SVOCs)

Monitor wells screened in the Dredged Layer are not routinely monitored for SVOCs. However, sampling for 1,4-dioxane was recommended at Wells 90 and 77, located west of potential TCE sources in Sector A. The sampling, conducted in February 2004, yielded 1,4-dioxane in Well 90 with a concentration of 1.1 µg/L. 1,4-Dioxane was not detected (<0.95 µg/L) in Well 77 (Table D-8). There are no State or Federal MCLs for 1,4-dioxane, although the State of California Department of Health Services Public Health Goal (PHG) is 3 µg/L.

D3.1.3 N-Nitrosodimethylamine (NDMA)

Nine of 17 wells screened in the Dredged Layer were sampled for NDMA during the RI Sampling Period. NDMA was not detected in the samples using laboratory MDLs ranging from 0.0005 to 0.0075 µg/L (Tables D-6 and D-10).

D3.1.4 Perchlorate

The results of the perchlorate sampling in Dredged Layer wells are shown on Figure D-23 and summarized in Tables D-6 and D-10. Monitor wells screened in the Dredged Layer are not routinely sampled for perchlorate, although Wells 77, 90, 3187, 3377, 3394, 3412, and 3413 were sampled in February 2004. In addition, supplemental perchlorate analyses were conducted on samples collected from Wells 3185, 3284, 3385, 3388, and 3418 in November 2004. Perchlorate was not detected (<4.0 µg/L) in the Dredged Layer monitor wells.

D3.1.5 Metals

Metals were not reported above MCLs in the Dredged Layer during the Stage 1 RI, however, quarterly sampling for metals is performed at several wells surrounding the former solid waste landfill to evaluate potential metals impacts from the landfill (Table D-7). Eight Dredged Layer monitor wells are sampled for metals on a quarterly basis. The samples collected for metals analyses are unfiltered in accordance with the landfill WDRs (RWQCB, 1988).

Iron was reported above the California Secondary MCL [0.3 milligrams per liter (mg/L)] at least one time in each Dredged Layer well sampled (Table D-7). Manganese was reported at least one time above the Secondary MCL (0.05 mg/L) in five of the eight Dredged Layer wells sampled. Aluminum (up to 40J mg/L), chromium (up to 0.097J mg/L), and vanadium (up to 0.11 mg/L) exceeded their respective MCLs in at least one sample collected from Well 3284, although the concentrations of these metals were below MCLs in most samples.

The metals data are not indicative of the distribution that would be anticipated for man-induced contamination. Well 3284 is located upgradient of the former solid waste landfill, however, this well yielded the highest number of metals exceeding MCLs (iron, manganese, chromium, and vanadium). Iron was the metal most commonly reported metal above the MCL, and it was reported above MCLs in wells located upgradient and downgradient of the former solid waste landfill, In addition, metals concentrations routinely varied up to one order of magnitude in multiple samples collected from the same well. Furthermore, the majority of metals analyses were conducted on unfiltered samples which can produce metals concentrations that are biased high due to the dissolution of metals from entrained sediment in the sample.

D3.1.6 Miscellaneous Compounds

General water quality parameters including anions, cations, TOC, and TDS were monitored in wells downgradient of the former landfill pursuant to the landfill WDRs. Samples from Wells 77, 90, 3185, 3186, 3187, and 3284 yielded concentrations or values for these parameters that were below drinking water standards and the results appear to be consistent with those observed across the Aerojet Site (Table D-8).

Supplemental groundwater sampling and analysis was conducted to evaluate potential groundwater impacts associated with the former solid waste landfill. The samples were analyzed for petroleum hydrocarbons, PCBs, herbicides, and pesticides. The herbicide 2,4-Dichlorophenoxybutric acid was detected below the screening level of 56 µg/L in Well 3388 (6.4 µg/L)(Table D-10). No other compounds were detected in these wells.

D3.2 Layer A

Layer A is present beneath most of Zone 4 and it is the shallowest layer beneath the source areas located upgradient of the PGOU. Groundwater samples were collected and analyzed from 74 wells screened in Layer A during the RI Sampling Period. VOCs and NDMA are routinely monitored in eastern Zone 4, and several wells were sampled for 1,4-dioxane and perchlorate for this RI.

D3.2.1 VOCs

TCE is the most common and widely distributed VOC in Layer A, and its extent encompasses the extents of other VOCs in Layer A. The highest TCE concentrations were detected in eastern Zone 4, within and downgradient of potential source areas located in Manufacturing Areas 30, 31, and 32. In addition to TCE, the following VOCs were reported at least one time in Layer A during the RI Sampling Period: PCE; Freon-113; Freon-11; Freon-12; 1,1,1-TCA; 1,1,2-TCA; 1,1-DCA; 1,2-DCA; 1,1-DCE; 1,2-DCE; chloroform; methylene chloride; bromodichloromethane; carbon tetrachloride; vinyl chloride; and m-dichlorobenzene; and p-dichlorobenzene (Table D-5). The VOCs reported above primary MCLs or the California State Action Level (State AL) are bolded on the VOC data summary tables (Tables D-5 and D-10). 1,2-DCE; 1,1-DCE; vinyl chloride; and 1,1-DCA were not reportedly used in Zone 4, and their presence in groundwater may be due to the intrinsic biodegradation of PCE; TCE; and/or 1,1,1-TCA.

The majority of VOCs reported in the Zone 4 PGOU were distributed in the eastern portion of Zone 4 in Sector A. The VOCs in this area form a plume elongated to the north-south, and aligned parallel to the general groundwater flow direction. Iso-concentration maps prepared for TCE and Freon-113, the most common VOCs reported, illustrate the distribution of VOCs in Sector A (Figures D-24 and D-25, respectively). Relatively impervious bedrock to the northeast and a groundwater flow direction to the northwest limit the eastern extent of VOCs. VOC concentrations attenuate to the west.

In Sector A, the VOC concentrations are highest near the potential source areas to the south and concentrations attenuate downgradient to the north. Southern GET A Extraction Wells 4012 and 4013 are located in manufacturing Area 30, near the highest TCE and Freon-113 concentrations in groundwater. The concentrations of TCE near the southern GET A extraction wells generally ranged from 100 to 850 µg/L, although prior to the RI Sampling Period, TCE was reported up to 22,000 µg/L farther upgradient (Figure D-24). The TCE concentrations attenuate to less than 50 µg/L downgradient near the northern GET A extraction wells, and TCE was not detected downgradient (north) of the GET A system (Wells 481, 482, 3219, 3220, and 3626)(Figure D-24).

TCE and Freon-113 concentrations were plotted over time for wells at various locations within the VOC plumes to assess temporal concentration trends (Figures D-32 through D-34). Wells 143 and 144 are located within or near potential source area in southern Sector A. The TCE concentrations in these wells were relatively unchanged from 1992 through 2004 (Figure D-32). However, the concentrations of Freon-113 decreased approximately one order of magnitude in the same wells over the same period.

Relatively fewer VOCs were reported, and the concentrations were significantly lower, in western Zone 4 (Sector C) than those reported to the east (Sector A). TCE was the most

common VOC detected with 1,2-DCA; 1,2-DCE; and vinyl chloride also reported (Table D-5). TCE was reported in two areas that appear to be separate from the TCE detected in Sector A (Wells 3188 and 3095). The highest TCE concentrations (440 µg/L) were detected just west of the northern GET A extraction wells in Well 3188 (Figure D-24). The TCE concentrations in Well 3188 increased from 15 µg/L to 440 µg/L between 1991 and 2004 (Figure D-34). TCE concentrations are declining farther west and downgradient of Well 3188. TCE concentrations decreased from 34 to 2.8 µg/L in Well 3503 and they decreased from approximately 70 µg/L to 1.1 µg/L in Well 78 (Figure D-34). 1,2-DCE and vinyl chloride were detected in Wells 3095 and 3188 and these compounds may be indicative of intrinsic TCE biodegradation. Concentrations of TCE have remained low and have not increased over time in Well 78, located west of Well 3095 (Figure D-33).

D3.2.2 SVOCs

With the exception of NDMA, there were no potential sources of SVOCs reported during the Stage 1 RI. However, 1,4-dioxane may have been present in TCE as a stabilizer. Groundwater in Zone 4 is not routinely analyzed for SVOCs, although 1,4-dioxane was historically reported in the GET A extraction wells and in several monitor wells located in Sector A.

Figure D-26 presents the results of the 1,4-dioxane sampling completed in Layer A. Data collected prior to the RI Sampling Period were included on the figure because many of the monitor wells near the potential source sites were not sampled for SVOCs during the RI Sampling Period. The older data indicate that elevated concentrations of 1,4-dioxane were detected in the same areas that elevated TCE concentrations have been detected. The distribution of 1,4-dioxane is consistent with its reported use as a stabilizer in TCE.

The influent and effluent to the GET A treatment system was analyzed for 1,4-dioxane and results are included in the compact disc included in Appendix L. The influent samples yielded 1,4-dioxane at a concentration of 43 µg/L. Samples were initially collected on four occasions from the GET A effluent. 1,4-Dioxane was not reported (<0.95 µg/L) in two samples, but was reported up to 2.8 µg/L in the other two samples. The laboratory QA/QC data suggested that the samples with detected 1,4-dioxane were suspect, and two additional samples were collected and analyzed. 1,4-Dioxane was not reported (<0.95 and <1.0 µg/L) in the confirmation samples.

In Sector C, 1,4-dioxane was detected in the same areas that TCE was reported. The concentrations of 1,4-dioxane were above the State AL of 3 µg/L in Wells 3095, 3366, and 3387. As shown on Figure D-26, 1,4-dioxane was not detected (<10 µg/L) in samples collected prior to the RI Sampling Period from several other wells in Sector C. Supplemental sampling for 1,4-dioxane was performed at downgradient Sector C Wells 3383, 3384, 3503, and 3504. 1,4-Dioxane was detected below the State AL in Well 3503 (1.4 µg/L) and was not detected in the remaining wells (<096 µg/L).

D3.2.3 NDMA

NDMA was commonly reported in groundwater samples collected from wells located in Sector A. Fewer wells in Sector C contained NDMA, and the concentrations were comparatively lower. The sampling results for NDMA analyses performed between January 2000 and June 2004 are summarized in Table D-6 and the supplemental sampling results are presented in Table D-10. The most recent results from each well are posted on Figure D-27.

In Sector A, NDMA is distributed in a north-south trending plume extending from the upgradient source areas in the south to the downgradient GET A extraction wells in the north (Figure D-27). The distribution of NDMA is approximately the same as observed for TCE, although the western extent of NDMA is approximately 1,500 feet farther west than TCE (Figure D-24). NDMA was detected southwest of the western most GET A extraction wells at concentrations ranging from 0.022 to 5.5 µg/L in Wells 3285, 3286, and 3287 (Figure D-27). NDMA was also detected west of the GET A extraction wells at concentrations ranging from 0.006 to 0.01 µg/L in Monitor Wells 444 and 445. NDMA has not been detected in groundwater north of the GET A extraction wells. In Sector A, NDMA concentrations typically declined between 1992 and 2004 in wells upgradient or near the GET A extraction wells (Figures D-35 and D-36), indicating decreasing concentrations over time.

NDMA was reported in several Layer A wells located in Sector C (Figure D-27). The wells in Sector C are generally downgradient of the northern portion of Area 46, although there are no documented sources of NDMA in Area 46. The source of NDMA in Sector C could be the former GET A Pond, the test stands in Zone 4 or past discharge from the GET A treatment system which was originally designed to meet a less stringent effluent limitation for NDMA. The treated water was discharged to Rebel Hill Ditch which would be upgradient from the wells that are currently found to contain NDMA in Sector C. As shown on Figure D-27, a narrow plume of NDMA is present in Sector C and has also been detected recently farther west in Well 79. A new monitor well was recently constructed north of Hwy 50 to assess the downgradient extent of perchlorate, although the data were pending when this Report was prepared.

D3.2.4 Perchlorate

During the RI Sampling Period, perchlorate screening in Sector A was conducted by sampling the GET A system effluent; perchlorate was not detected (<4 µg/L)(Appendix L). In Sector C, perchlorate was detected in landfill waste and shallow groundwater during a separate investigation for the landfill area. Supplemental perchlorate sampling was performed in Sectors A and C after the RI Sampling Period and results are shown on Figure D-28. Perchlorate was detected in several wells located along the northern boundary of the Zone 4 PGOU at concentrations ranging from <4.0 to 49 µg/L. As discussed in the previous section, data are pending from a new monitor well installed north of Hwy 50.

D3.2.5 Metals

Quarterly monitoring for metals is conducted at Layer A Wells 78, 79, 449, 451, 452, 453, and 3095, located around the perimeter of the former solid waste landfill. The results of the metals analyses are presented in Table D-7. Aluminum, arsenic, barium, beryllium, cadmium, chromium, cobalt, iron, lead, manganese, nickel, and vanadium were reported at least one time above their respective MCLs. However, only iron and manganese concentrations frequently exceeded MCLs in the quarterly samples. The majority of metals analyses were conducted on unfiltered samples and the results are potentially biased high as discussed in Section D3.1.5. Additionally, most monitor wells are constructed with steel screen and casing that may contribute metals to the samples.

The groundwater monitoring conducted downgradient of the former solid waste landfill yielded metals concentrations that varied both temporally and spatially with no apparent relationship. For example, metals concentrations in Well 451, located near the northwest downgradient

landfill boundary, varied significantly over the RI Sampling Period. Aluminum concentrations ranged from 180 to <0.2 mg/L between August 2001 and August 2002, and was reported at 4.8 mg/L when sampled in March 2003 (Table D-7). Similarly, concentrations of iron ranged from 5.2 to 360 mg/L, manganese from 0.37 to 4.4 mg/L, and vanadium from <0.0060 to 0.25 mg/L (Table D-7). Concentrations of other metals also varied in Well 451 and a wide range of metals results were noted in other monitor wells sampled. There were no apparent trends with respect to time or well location noted in the metals data.

Despite the variability in the spatial and temporal distribution of the metals results, there were relatively few metals consistently reported above their respective Primary or Secondary MCLs. Aluminum, arsenic, barium, beryllium, cadmium, iron, lead, manganese, nickel, and vanadium were reported above MCLs in at least one well, at least one time, from January 2000 through June 2004 (Table D-7). However, with the exceptions of iron and manganese, the same metals were also detected below their respective MCLs after samples reported concentrations above MCLs. Iron and manganese were the metals most commonly and frequently reported above Secondary MCLs in wells located upgradient and downgradient of the former solid waste landfill.

Separate from the landfill monitoring, the initial samples from new monitor wells are also analyzed for metals in accordance with the Aerojet Site-wide Groundwater Monitoring Plan (Aerojet, 2003). Monitor Well 3626, installed in Zone 4 during the RI Sampling Period, was sampled accordingly for metals, and no metals were reported above MCLs (Table D-7).

D3.2.6 Miscellaneous Compounds

General water quality parameters are not routinely monitored in Zone 4, with the exception of quarterly monitoring performed pursuant to the Landfill Monitoring Program at wells located around the downgradient perimeters of the former landfill. Samples from Wells 78, 449, 451, 452, 453, and 3095 were monitored for calcium carbonate, alkalinity (as calcium carbonate), chloride, nitrate, orthophosphate, sulfate, TOC, total alkalinity, TDS, and calcium (Table D-8). The results of the monitoring are within the range of values generally observed in areas where there are no known groundwater impacts.

In addition to the sampling described above, some wells downgradient of the former landfill were sampled for nitrate, nitrite, orthophosphate, sulfate, and sulfides to provide data that may be used to assess in-situ biodegradation of solvents (primarily TCE) downgradient of the landfill (Aerojet, et. al., 2002). The wells sampled and the compounds detected are listed in Table D-8, and if appropriate, the results will be used during the Feasibility Study to aid in assessing the potential for Monitored Natural Attenuation in this area.

Supplemental samples were collected from ten Layer A wells and analyzed for the constituents recently identified in the landfill waste including petroleum hydrocarbons, PCBs, herbicides, and pesticides. Concentrations of petroleum hydrocarbons, PCBs, and pesticides were all below detection limits. The herbicide 2,4-Dichlorophenoxybutric acid was detected below the screening level of 56 µg/L in Wells 3419 and 3420 (2.7 and 1.7 µg/L, respectively). No other compounds were detected in these wells.

D3.3 Layer B

Layer B is not present in Sector A. In Sector C, relatively few wells are monitored because only low chemical concentrations were present in overlying Layer A. During the RI Sampling Period,

VOC monitoring was conducted at Wells 3414 and 3505, located downgradient of the former landfill and VOCs were not detected in these wells (Table D-5).

Samples collected from Wells 454, 3396, 3414, and 3505 were also analyzed for NDMA to fill a potential data gap for this RI (Aerojet, et. al., 2002). NDMA was detected at 0.26 µg/L in Well 454, the farthest downgradient monitor well in Sector C (Figure D-29) and at 0.087 µg/L in Well 455. The extent of NDMA detected in groundwater beneath western Sector C is undefined to the west and northwest of nested Wells 454 and 455 (Figure D-29). One nested monitor well was installed northwest of these wells, north of US Highway 50 to assess the lateral and vertical extent of NDMA. As stated earlier, data from this well was still pending at the time this report was prepared. Perchlorate was not historically detected in wells screened in Layer B; however, samples were recently collected from each Layer B well and results are shown on Figure D-30. Perchlorate was detected below the State AL of 6 µg/L in Well 3379 (5.5 µg/L) and in Wells 454 and 455 at concentrations of 7.5 and 9.5 µg/L, respectively. An additional monitoring well is planned downgradient to aid in plume definition.

D3.4 Bedrock

In Sector A, four monitor wells are screened in the Bedrock Layer (Wells 483, 3263, 3373, 3467) (Figure D-31). The depth to bedrock increases to the west; therefore, there are no wells screened in bedrock in Sector C.

The four wells screened in the Bedrock Layer are not routinely monitored because chemical concentrations in the Bedrock Layer have historically been relatively low and because of the upward vertical gradient from bedrock to Layer A. Samples were collected from Bedrock Layer Wells 483 and 3467 and analyzed for VOCs and NDMA (Tables D-5 and D-6, respectively). VOCs were not reported in the sample from Well 483, located north and downgradient of the GET A extraction wells. Well 3467, located near a potential source in Area 31, yielded 1,1-DCE (22 µg/L); 1,2-DCA (1.7 µg/L); Freon-113 (2.4 µg/L); TCE (0.56 µg/L), and vinyl chloride (2.6 µg/L)(Table D-5). These VOC concentrations are relatively low compared to the concentrations observed in overlying Layer A. NDMA was not detected in Well 483 or 3467 (>0.001 and 0.0075 µg/L, respectively)(Table D-6).

D3.5 Alder Creek Surface Water Sampling

Alder Creek is sampled semi-annually for VOCs, perchlorate, nitrate, hydrazine, metals, and general water quality parameters under an existing National Pollutant Discharge Elimination System (NPDES) storm-water discharge permit. As shown on Figure D-1, samples are collected upstream near where Alder Creek enters the Aerojet property (S-5), and downstream west of Aerojet Lake (S-6).

Neither VOCs nor hydrazine were detected in samples collected from the upstream (S-5) and downstream (S-6) sample locations. There were no discernable patterns between the upstream and downstream sample results analyzed for nitrate, electrical conductivity, turbidity, TDS, total suspended solids, or other general water quality parameters (Table D-11a).

Perchlorate was not detected (<4 µg/L) in the upstream samples collected; however perchlorate was detected at concentrations ranging from 5.5 to 12 µg/L in four of 11 downstream samples (Table D-11a). The results of groundwater monitoring conducted for perchlorate in the Zone 4 PGOU wells are presented in Sections D3.1.4 and D3.2.4

Total and dissolved metals were analyzed at the upstream and downstream sample locations, and iron and manganese were the only metals reported above MCLs (Table D-11b). Total and dissolved iron concentrations were below the MCL of 0.3 mg/L at the upstream locations. The total iron concentrations were above the MCL in four of six downstream samples (up to 0.14 mg/L), although the dissolved iron concentrations were below the MCL. The total and dissolved manganese concentrations were below the Secondary MCL (0.05 mg/L) in all but one upstream sample. Both the total and dissolved manganese concentrations were above the MCL in all but the most-recent downstream samples.

Supplemental samples were collected from three locations along Alder Creek in conjunction with the Former Aerojet solid waste landfill investigation (Figure D-1 and Tables D-11c and D-11d). The samples were analyzed for VOCs, perchlorate, NDMA, metals, and general water quality parameters.

Acetone, a common laboratory contaminant, was detected below the MCL (20,000 µg/L) in each of the three samples at estimated concentrations ranging from 2.4J to 3.4J µg/L (Table D-11c). Chloromethane (0.19J µg/L) and naphthalene (0.17J µg/L) were detected at trace levels in the farthest downstream sample (Alder Creek 1), but were not detected in two samples collected farther upstream. NDMA was detected at a concentration of 0.014 µg/L in the sample collected from the middle Alder Creek sample (Alder Creek 2), but was not detected in the lower and upper samples (Alder Creek 1 and 3). No metals concentrations exceeded MCLs or State ALs in the supplemental sampling (Table D-11d).

D4 RECOMMENDATIONS

Several data gaps were identified during the review and compilation of the groundwater and chemical data for the Draft RI. Data collection activities were recommended to assist with the development and evaluation of potential remedial alternatives in the FS. The following list provides an update on these data collection activities:

Recommendation: There are no municipal water supply wells located within ¼-mile of the Zone 4 PGOU; however, a survey of private wells located west and north of Zone 4 was compiled for the Stage 1 RI in 1991. An updated survey of domestic, agricultural, or other water supply wells by private parties will be completed for a 1-mile radius around the Zone 4 PGOU, including the area around Lake Natoma.

Update: Results of the private well survey are summarized in Table 1-2 and well locations are shown on Figure 1-5 of the FS. A discussion of private wells located within a one mile radius of Zone 4 is included in Section D1.1.5.

Recommendation: Samples will be collected for perchlorate analysis from Dredged Layer Wells 77, 90, and 3187 to assess the previous perchlorate results. In addition, samples will be collected for perchlorate analysis from four monitor wells located farther downgradient to evaluate whether perchlorate is present in groundwater and the potential discharge of that groundwater to surface water (Wells 3377, 3394, 3412 and 3413).

Update: Perchlorate was not detected (<1.0 µg/L) in samples collected from these wells.

Recommendation: The GET A effluent will be sampled and analyzed for 1,4-dioxane to confirm its destruction by the UV-oxidation system.

Update: The GET A effluent was sampled on four separate dates and all analytical results were below the 1,4-Dioxane State AL of 3 µg/L. The laboratory QA/QC data for results containing detections were suspect and two additional samples were collected and analyzed with non-detect results (<0.95 and <1.0 µg/L).

Recommendation: The extent of NDMA detected in groundwater beneath western Sector C is undefined north of Well 3389, between Wells 453 and 463 (Figure D-27). The extent of NDMA is also undefined northwest of Layer B Well 454 (Figure D-29).

Update: A monitor well was completed in the area northwest of Well 454, and north of US Highway 50; data from this well was pending at the time this report was completed. One screened interval was completed in Layer A one screened interval was completed in Layer B. The potential need for additional monitor wells to characterize the extent of NDMA will be evaluated pending the analytical results from this well.

D5 REFERENCES CITED

Aerojet, 1993, "*Aerojet Site – Part 2 GET Effectiveness Report*", Aerojet General Corporation, Sacramento, California, April 1993.

Aerojet , 1994, "*Hydrogeologic Evaluation of Western Zone 4*": An unpublished technical report regarding the hydrogeology of western Zone 4, Aerojet General Corporation, 1994.

Aerojet, 1995, "*Aerojet Site – Zone 4 GET Effectiveness Report*", Aerojet, 1995.

Aerojet, 1999, "*Stage 2 RI/FS Sampling and Analysis Work Plan*", GenCorp Aerojet, 1999.

Aerojet, 2003, "*Final 2003-2004 Groundwater Monitoring Plan, Aerojet Site*", Aerojet General Corporation, May 2003.

Aerojet et. al., 2002, "*Perimeter Groundwater OU RI/FS Work Plan*", Aerojet General Corporation, Central Valley Environmental, Inc., Engineering Management Support, Inc., and Environmental Resources Management, Inc., April 16, 2002.

County of Sacramento, 1993, "*Land Use Element of the County of Sacramento General Plan*", County of Sacramento Planning and Community Development Department, General and Advance Planning Section, December 15, 1993 including revisions as of May 2, 1997.

ERM, 2000, "Final *Site Assessment Report for the Candidate Carve-Out Lands*", ERM, 2000.

Fetter, C.W., 1988, "*Applied Hydrogeology*", Merrill Publishing Company, Columbus Ohio.

ICF Kaiser, 1989, "*Aerojet Site, Scoping Report and Stage 1 RI/FS Work Plan*", ICF Kaiser Engineers Inc., 1989.

ICF Kaiser, 1993, "*Aerojet Site, Stage 1 Report, Zones 3 and 4*", ICF Kaiser Engineers, August 1993.

McLaren Environmental Engineering, 1987, "*Aerojet Landfill, Solid Waste Assessment Test (SWAT) Report*", McLaren Environmental Engineering, 1987.

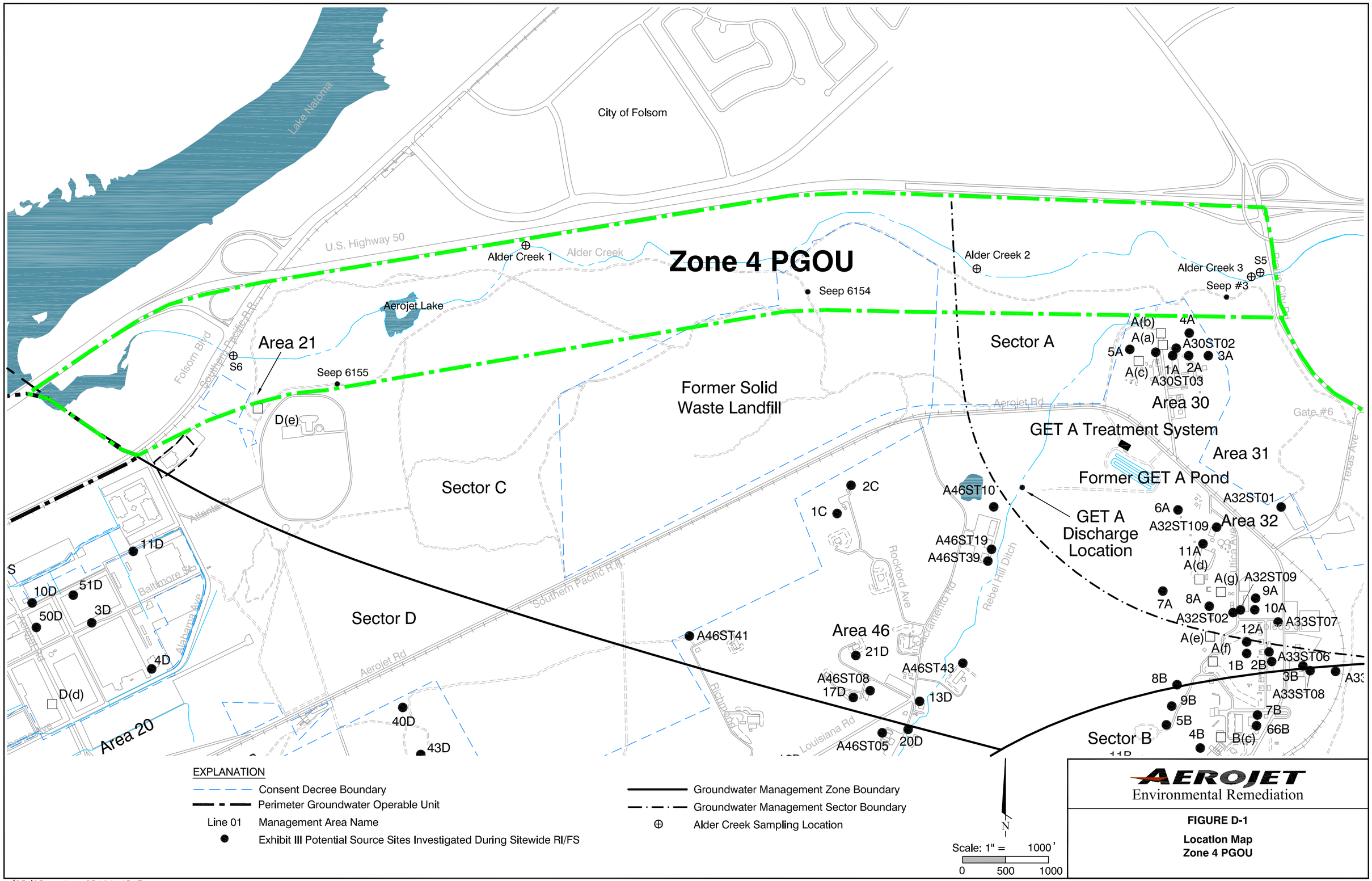
Minshew Engineering, 1997, "*Final Closure and Post Closure Maintenance Plan for the Aerojet Landfill*", Minshew Engineering, 1997.

U.S.G.S., 1980, "*Buffalo Creek, Calif*" United States Geological Survey, United States Department of the Interior Geological Survey, Photo Revised 1980.

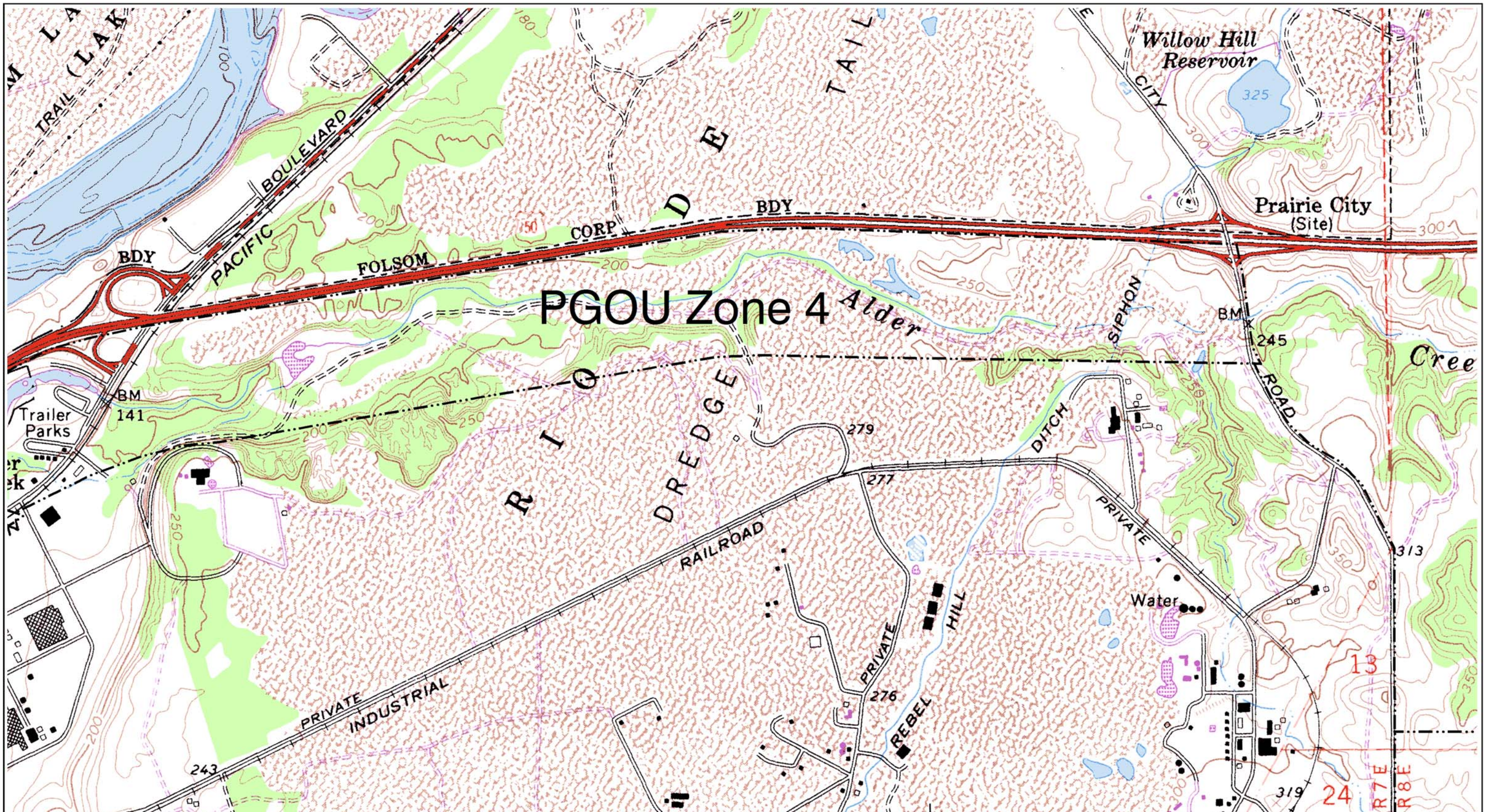
Modified Partial Consent Decree, 2000 "*Civil Action No. CIVS-86-0064-EJG*".

Partial Consent Decree, 1989, "*Civil Action No. CIVS-86-0064-EJG*".

RWQCB 1988, "*WDRs for Landfill*", CAO 88-150 RWQCB, 1988.



1/25/05 ah SR10114517



Source: USGS 7.5° Topographic Quadrangle(s): Buffalo Creek, Carmichael, Citrus Heights, Folsom; 1967; from RealTopo ™, copyright by Gecko Software

LEGEND

Dredge Tailings

N

Scale: 1" = 1000'

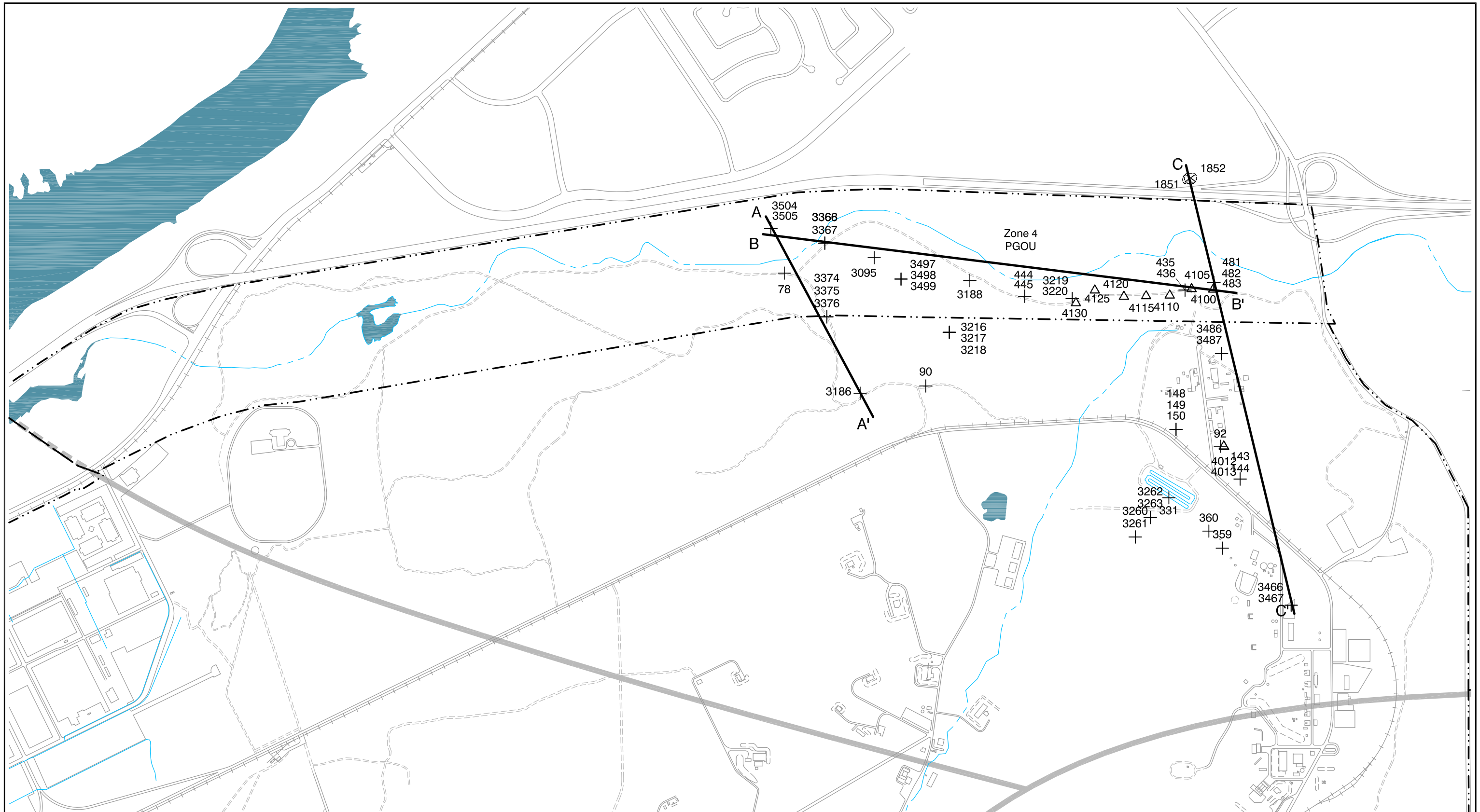
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-2

Surface Topography and Spatial Extent of Dredged Areas Zone 4 PGOU

6/9/05 ah SR10119801



EXPLANATION

- Monitoring Well
- Extraction Well
- Destroyed Well
- Zone 4 PGOU Boundary

N

Scale: 1" = 600'

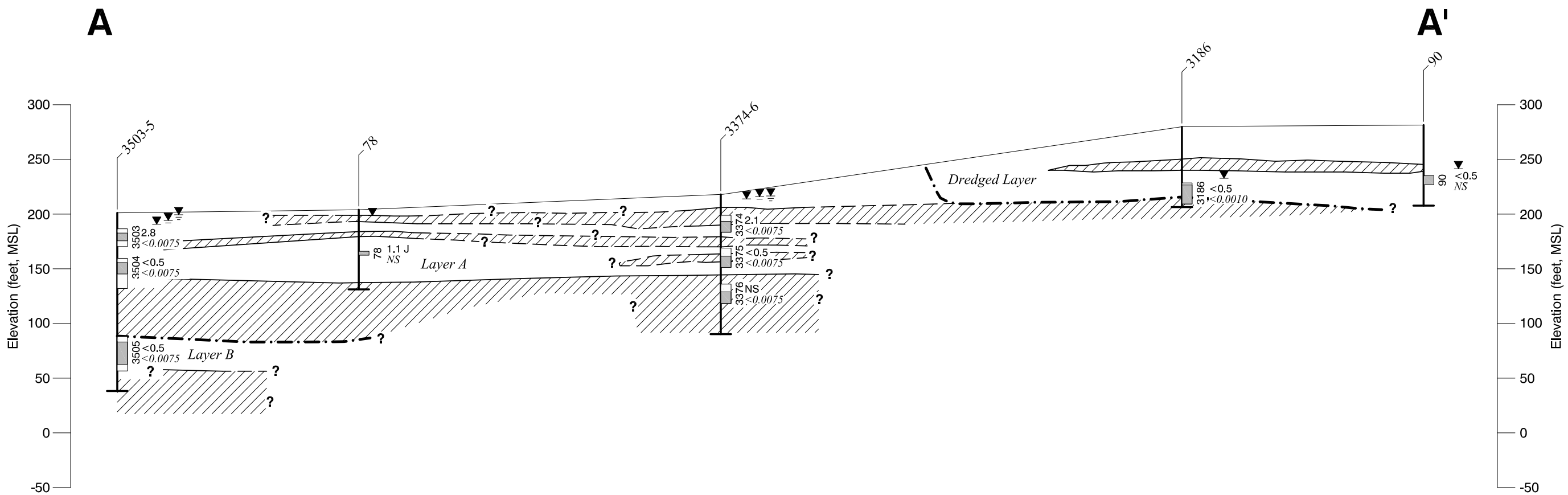
0 300 600

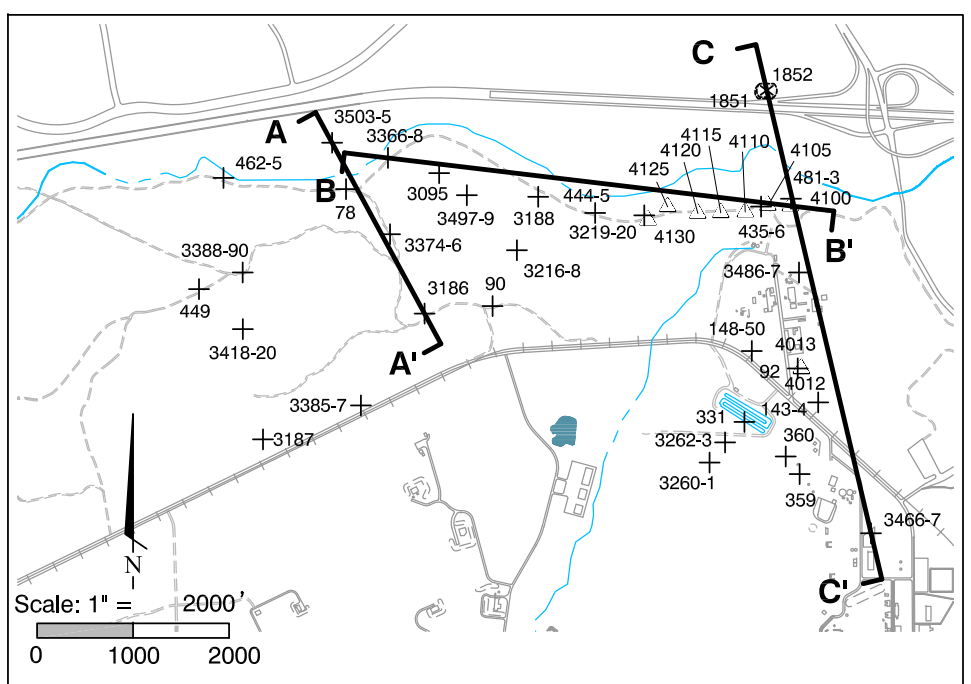
AEROJET
Environmental Remediation

FIGURE D-3

Cross Section Transects and Zone 4 Boundaries
Zone 4 PGOU

1/25/05 ah SR10114207





Cross Section Location Map

EXPLANATION

- Layer Boundary
- Geologic Contact (Dashed where Inferred)
- Gravel Pack Interval
- Screened Interval
- <0.5 — TCE Concentration in µg/L (NS = Not Sampled)
- <0.0050 — NDMA Concentration in µg/L (NS = Not Sampled)
- 144 — Well Designation
- Total Borehole Depth
- Water Level, 1st (Highest) Completion
- Water Level, 2nd Completion
- Water Level, 3rd Completion
- Predominantly Clay and Silt
- Predominantly Sand and Gravel

Chemical data posted is the most recent data collected between January 2000 and June 2004.

Water level data posted was collected in April 2004.

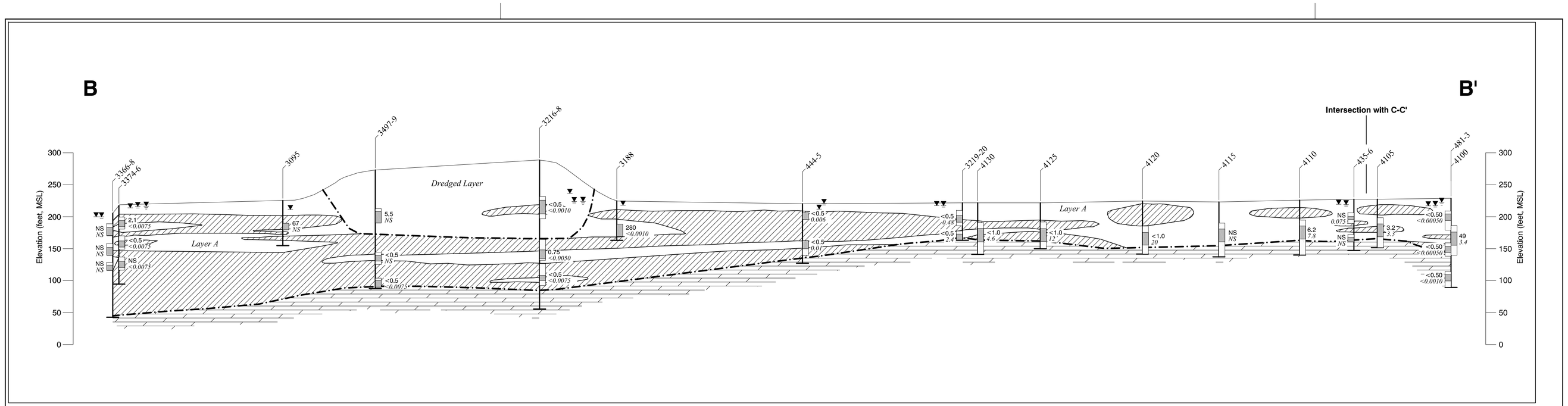
Vertical Scale 1' = 100'
100
0
200
Horizontal Scale 1' = 200'
Vertical Exaggeration: 2x

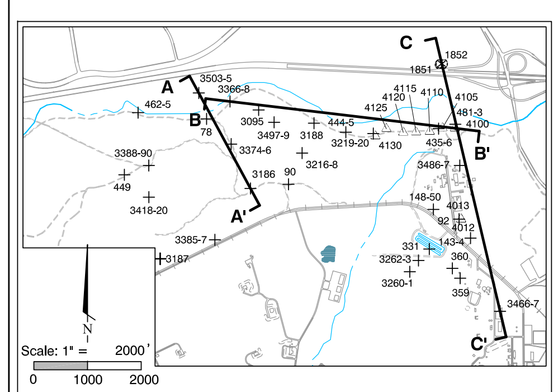
AEROJET
Environmental Remediation

FIGURE D-4

Hydrostratigraphic Cross Section A - A'
Zone 4 PGOU

6/8/05 ah SR10119712





Cross Section Location Map

EXPLANATION

- Layer Boundary
- Geologic Contact (Dashed where Inferred)
- Gravel Pack Interval
- Screened Interval
- <0.5 — TCE Concentration in µg/L (NS=Not Sampled)
- <0.0050 — NDMA Concentration in µg/L (NS=Not Sampled)
- 144 — Well Designation
- Total Borehole Depth
- Water Level, 1st (Highest) Completion
- Water Level, 2nd Completion
- Water Level, 3rd Completion
- Predominantly Clay and Silt
- Predominantly Sand and Gravel
- Bedrock

Vertical Scale 1" = 100'
0 100
Horizontal Scale 1" = 200'
0 200
Vertical Exaggeration: 2x

Chemical data posted is the most recent data collected between January 2000 and June 2004.

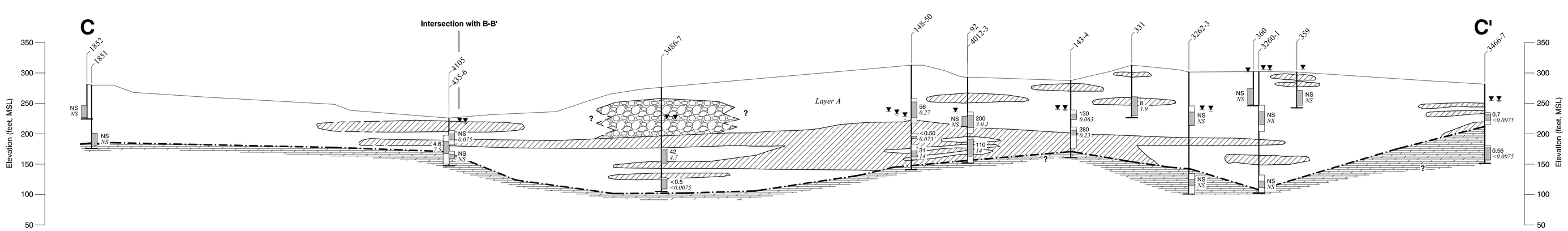
Water level data posted was collected in April 2004.

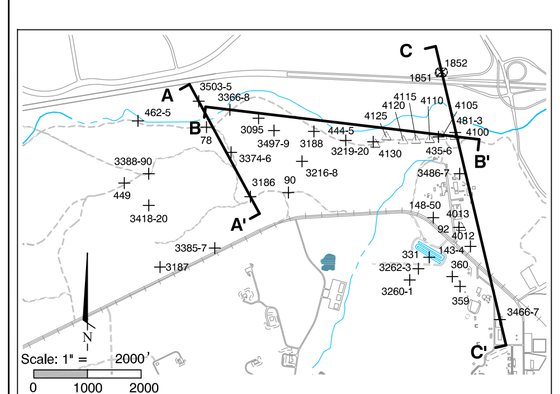
AEROJET
Environmental Remediation

FIGURE D-5

Hydrostratigraphic Cross Section B - B'
Zone 4 PGOU

5/16/05 ah SR10119713





EXPLANATION

- Layer Boundary
- Geologic Contact (Dashed where Inferred)
- Gravel Pack Interval
- Screened Interval
- TCE Concentration in µg/L (NS = Not Sampled)
- NDMA Concentration in µg/L (NS = Not Sampled)
- Well Designation
- Total Borehole Depth
- Water Level, 1st (Highest) Completion
- Water Level, 2nd Completion
- Water Level, 3rd Completion
- Predominantly Clay and Silt
- Predominantly Sand and Gravel
- Volcanic Breccia
- Bedrock

Vertical Scale 1" = 100'
0 100
Horizontal Scale 1" = 200'
0 200
Vertical Exaggeration: 2x

Chemical data posted is the most recent data collected between January 2000 and June 2004.

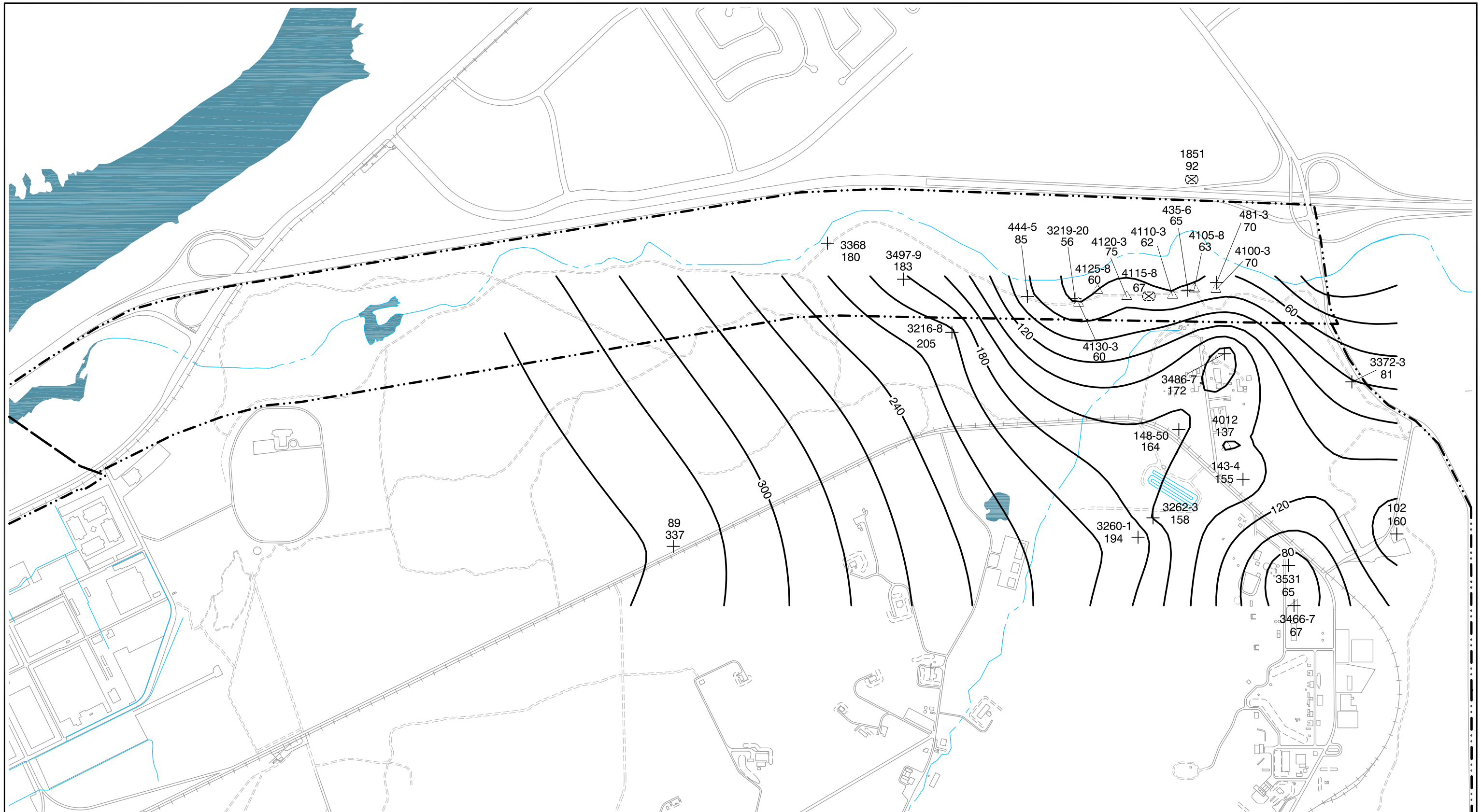
Water level data posted was collected in April 2004.

AEROJET
Environmental Remediation

FIGURE D-6

Hydrostratigraphic Cross Section C - C'
Zone 4 PGOU

5/16/05 ah SR10119714



EXPLANATION

KEY TO WELL SYMBOLS

3366-8 — Well Identification
160 — Thickness of Alluvial Sediment Above Bedrock (feet)
+ — Well Type and Location

WELL TYPES

+ Monitor Well
△ Extraction Well
⊗ Destroyed Well

—180— Iso-Pach Contour for Alluvial Sediments
-·-·- Perimeter Groundwater Operable Unit

N

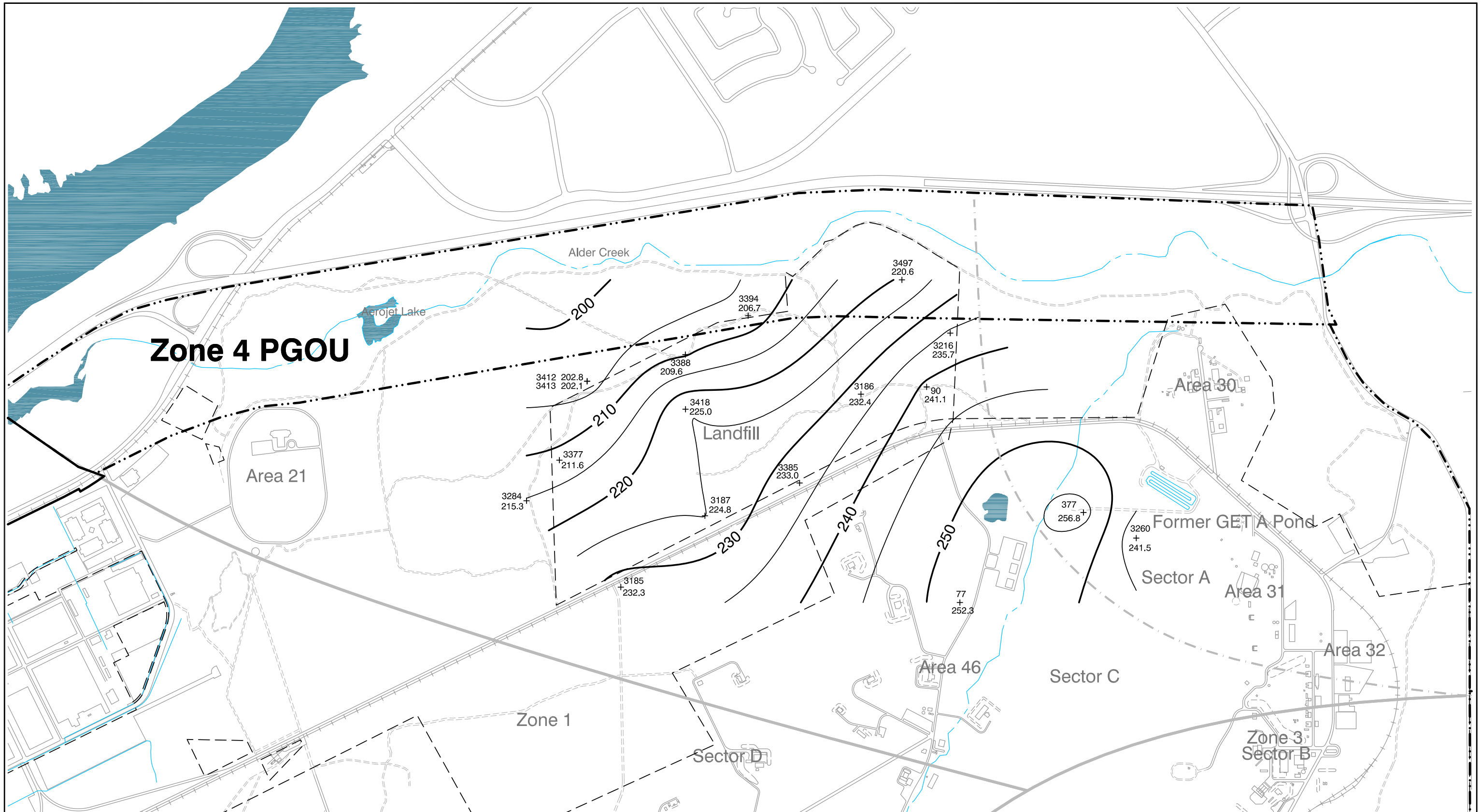
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-7

Iso-Pach Contours for Alluvial Sediments
Zone 4 PGOU

1/31/05 ah SR10114551



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

NM Not Measured

WELL TYPES

+ Monitor Well

△ Extraction Well

× State-owned Well

◆ Water Supply Well

▲ Domestic Well

—100— Groundwater Elevation Contour (feet)

——— Groundwater Elevation Contour (feet)

- - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

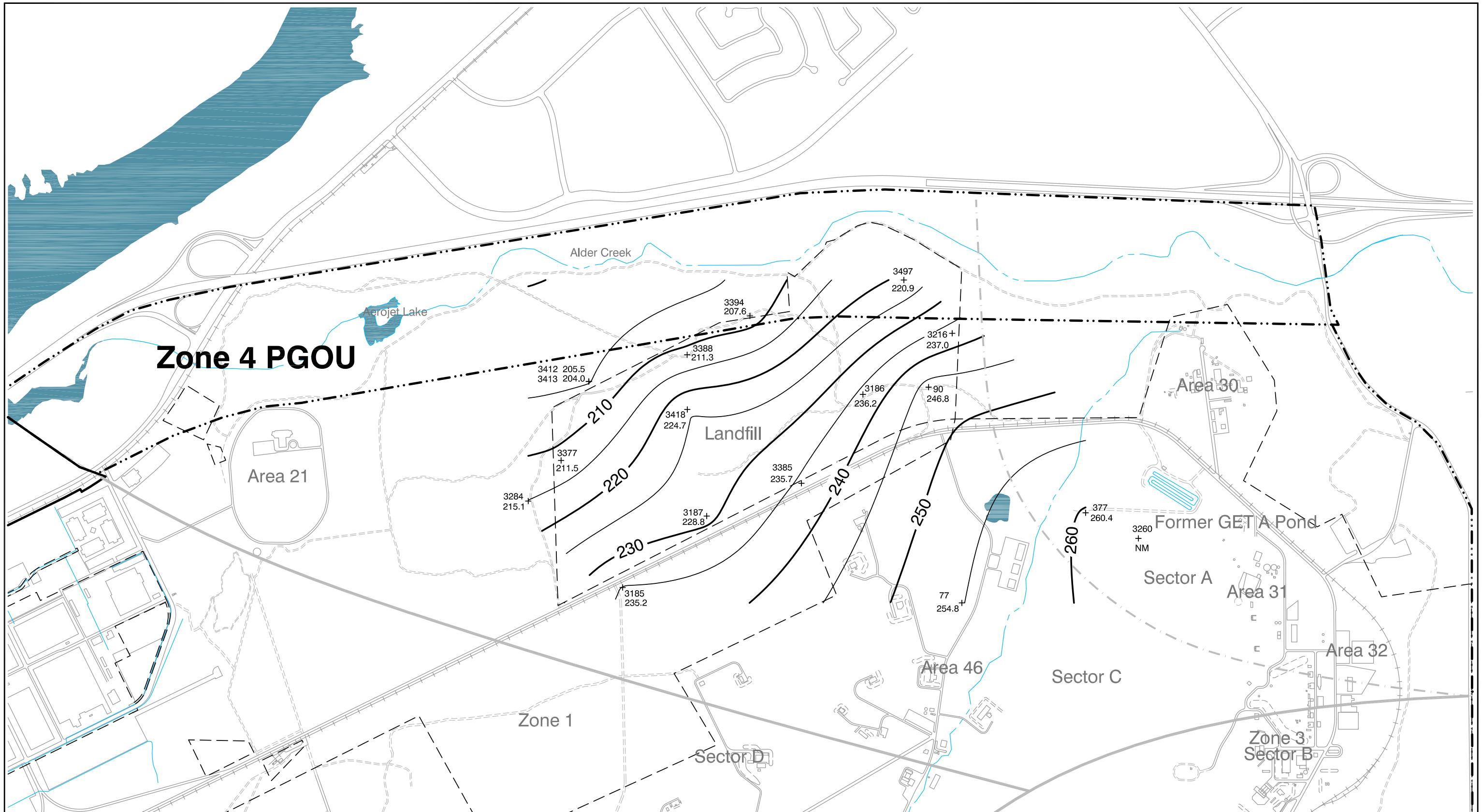
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-8

Dredged Layer
Potentiometric Surface Map, October 2003
Zone 4 PGOU

1/25/05 kk SR10114537



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification
+ — Well Type and Location
100.15 — Groundwater Elevation (ft, MSL)
NM Not Measured

WELL TYPES

+ Monitor Well
△ Extraction Well
× State-owned Well
◆ Water Supply Well
▲ Domestic Well

—100— Groundwater Elevation Contour (feet)
Groundwater Elevation Contour (feet)
Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

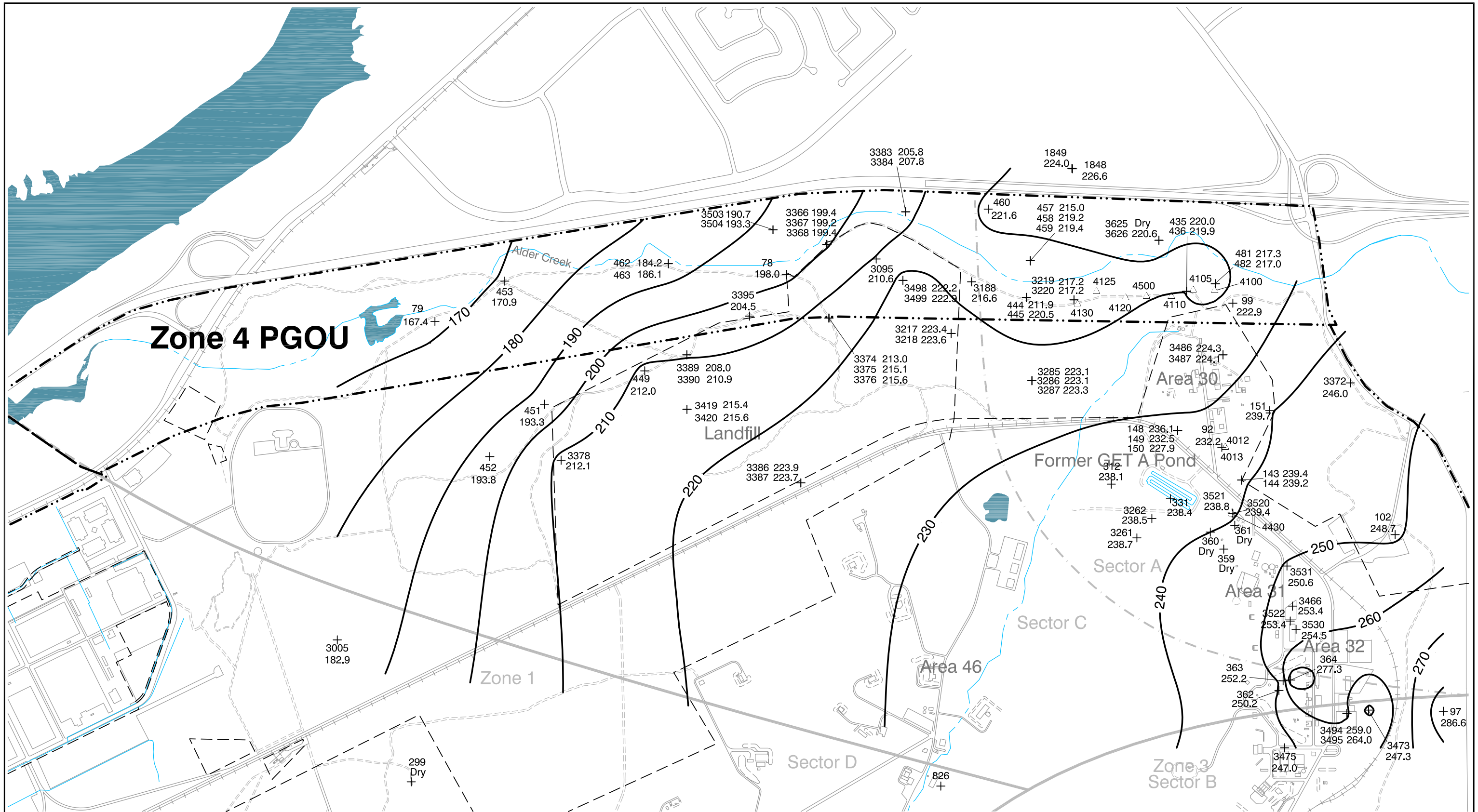
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-9

Dredged Layer
Potentiometric Surface Map, April 2004
Zone 4 PGOU

1/25/05 kk SR10114538



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

WELL TYPES

- + Monitor Well
- △ Extraction Well
- × State-owned Well
- ◆ Water Supply Well
- ▲ Domestic Well

—100— Groundwater Elevation Contour (feet)

- - - - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

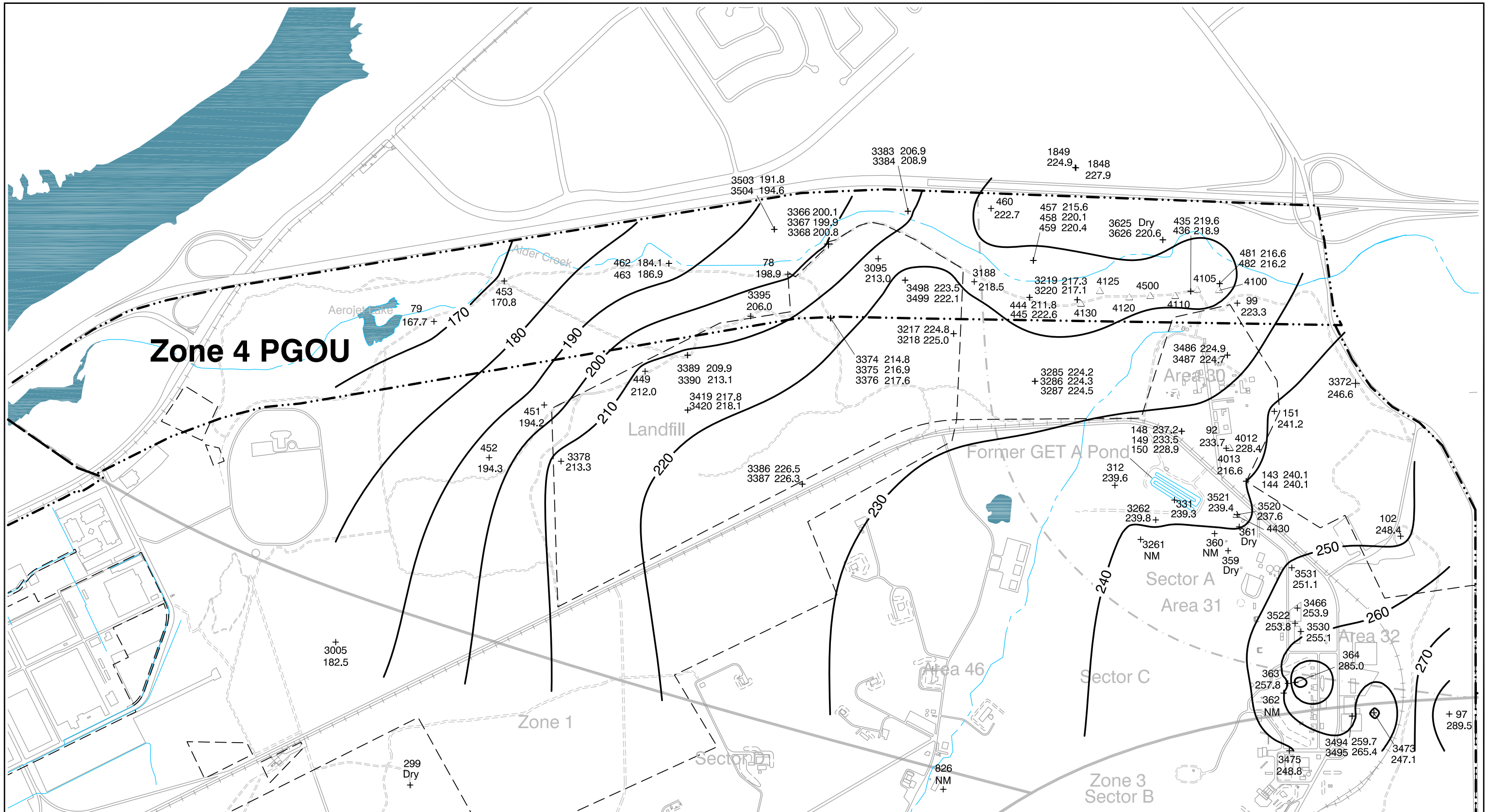
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-10

Layer A
Potentiometric Surface Map, October 2003
Zone 4 PGOU

1/25/05 kk SR10114520



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

WELL TYPES

- + Monitor Well
- △ Extraction Well
- × State-owned Well
- ◆ Water Supply Well
- ▲ Domestic Well

—100— Groundwater Elevation Contour (feet)

- - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

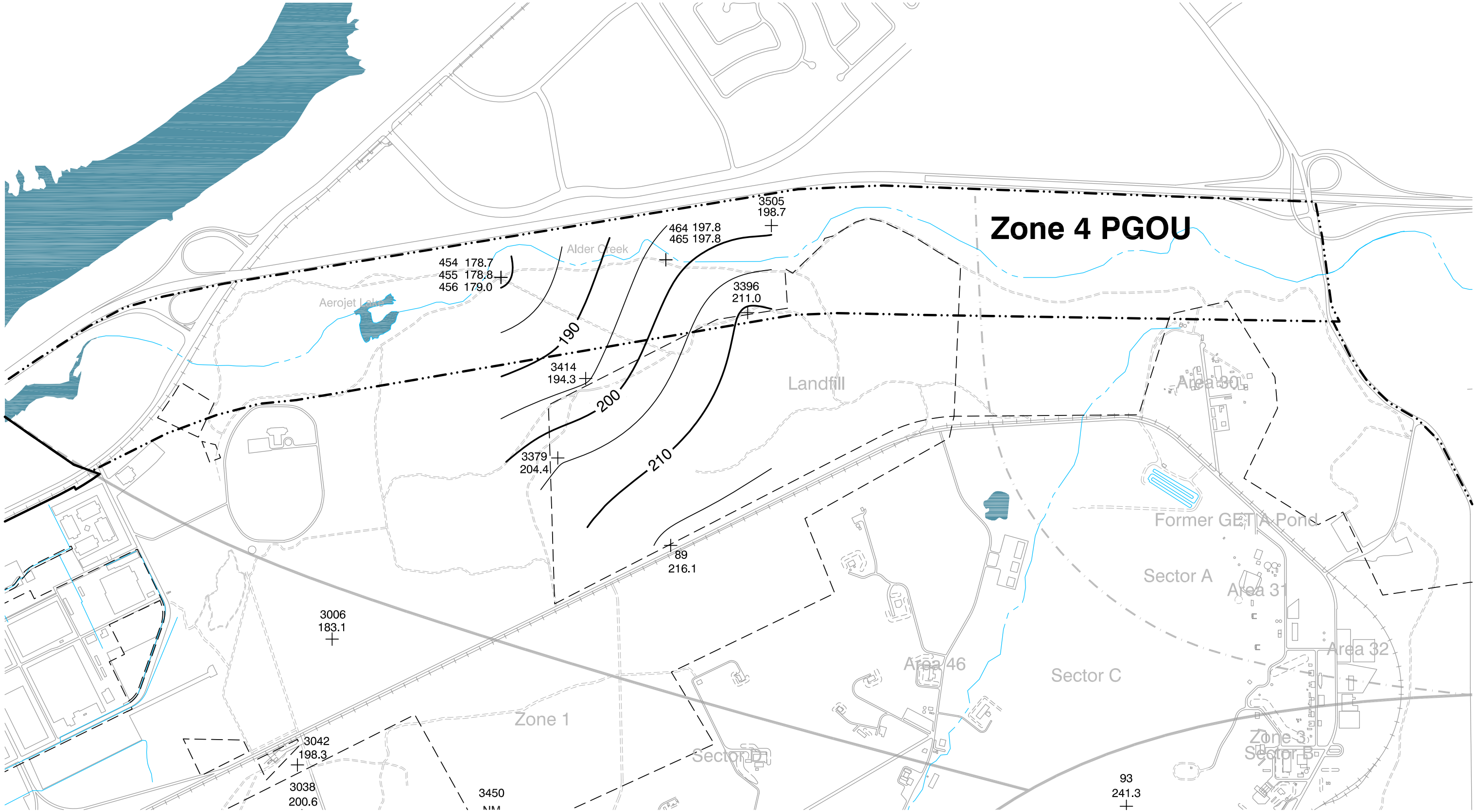
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-11

Layer A
Potentiometric Surface Map, April 2004
Zone 4 PGOU

1/25/05 kk SR10114522



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

WELL TYPES

- + Monitor Well
- △ Extraction Well
- × State-owned Well
- ◆ Water Supply Well
- ▲ Domestic Well

—100— Groundwater Elevation Contour (feet)

——— Groundwater Elevation Contour (feet)

- - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

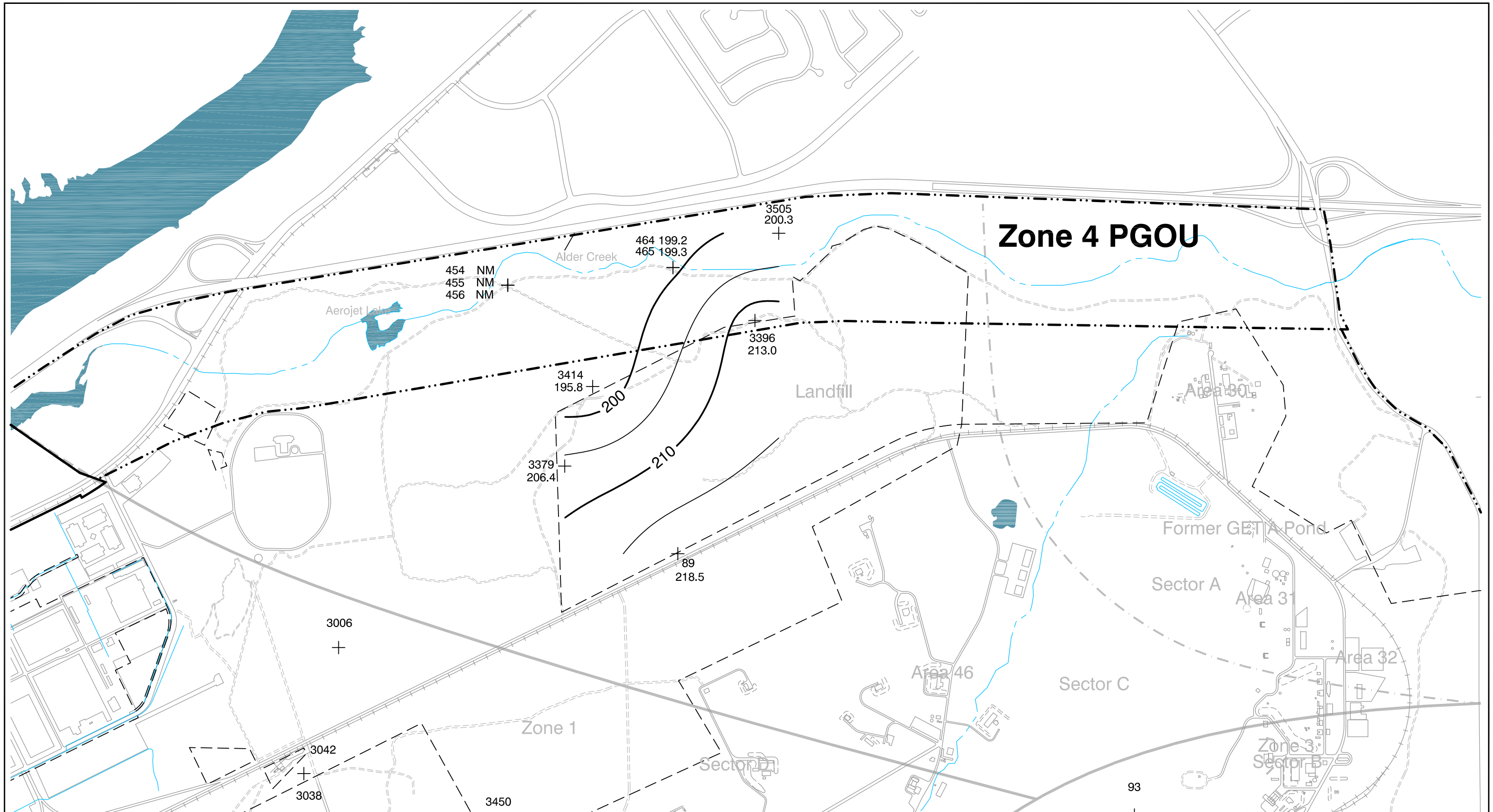
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-12

Layer B
Potentiometric Surface Map, October 2003
Zone 4 PGOU

1/25/05 kk SR10114539



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

WELL TYPES

+ Monitor Well

△ Extraction Well

× State-owned Well

◆ Water Supply Well

▲ Domestic Well

—100— Groundwater Elevation Contour (feet)

——— Groundwater Elevation Contour (feet)

- - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

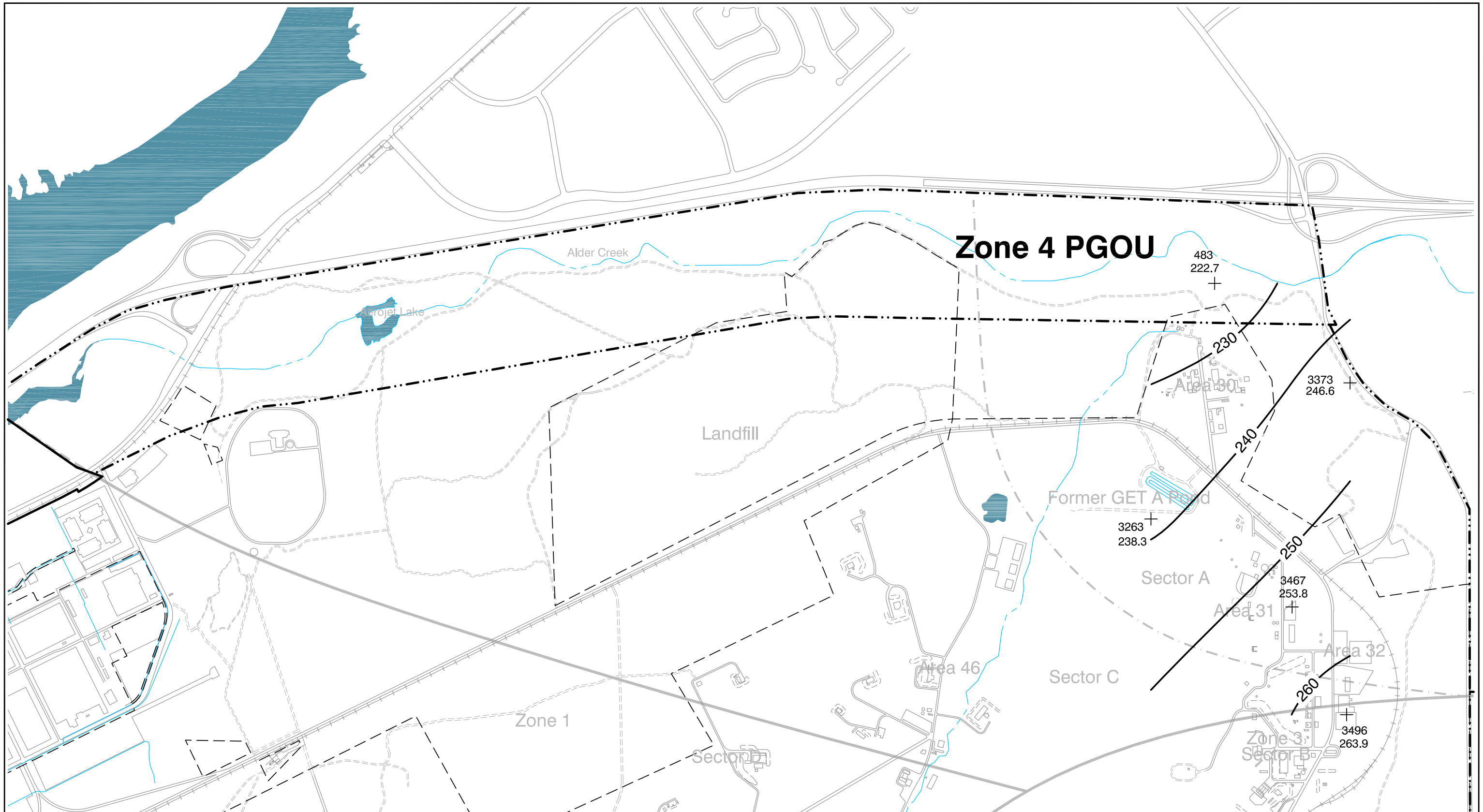
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-13

Layer B
Potentiometric Surface Map, April 2004
Zone 4 PGOU

1/25/05 kk SR10114540



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

WELL TYPES

- + Monitor Well
- △ Extraction Well
- × State-owned Well
- ◆ Water Supply Well
- ▲ Domestic Well

— 100 — Groundwater Elevation Contour (feet)

——— Groundwater Elevation Contour (feet)

- - - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

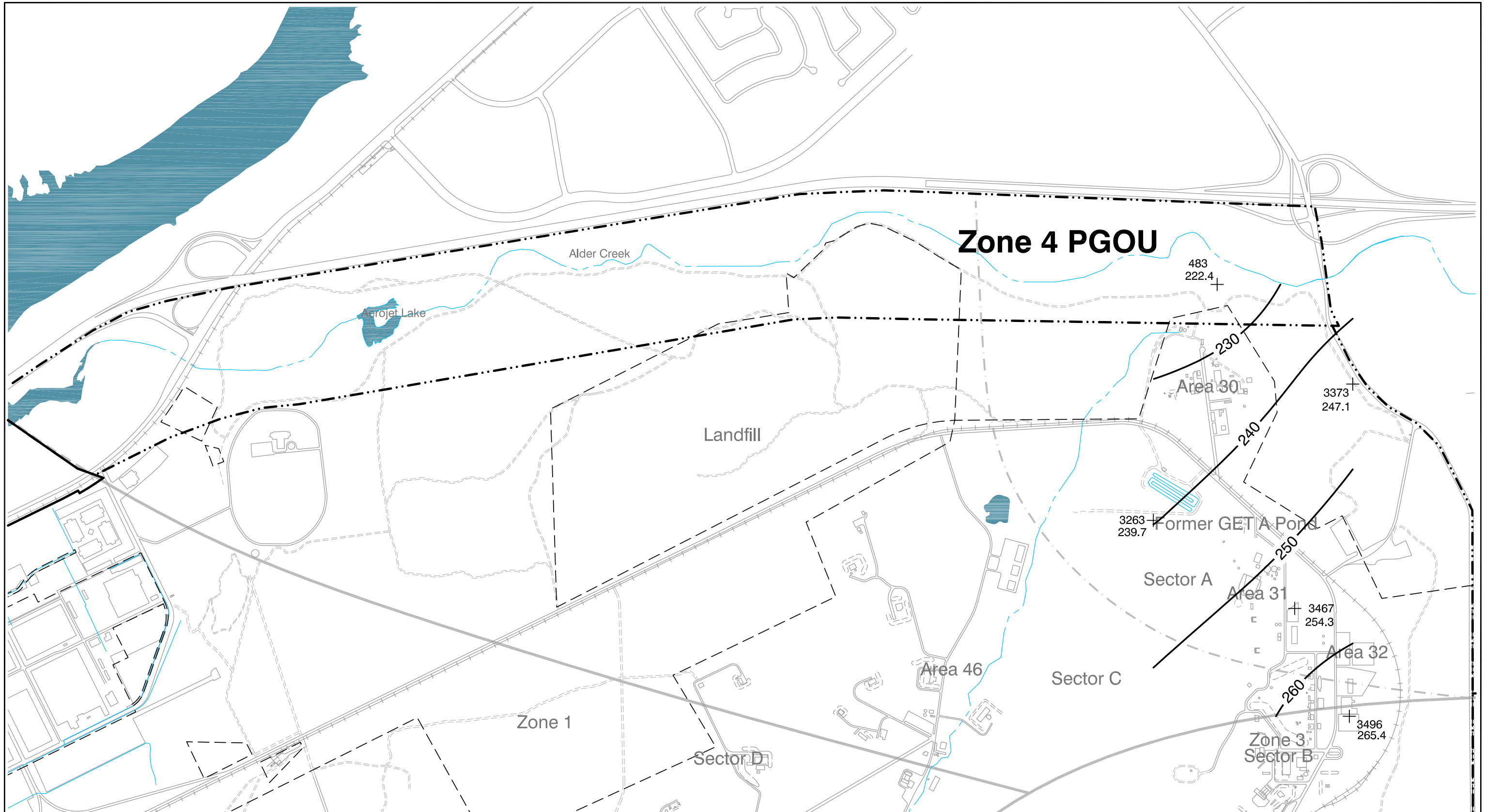
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-14

Bedrock
Potentiometric Surface Map, October 2003
Zone 4 PGOU

1/25/05 kk SR10114541



EXPLANATION

KEY TO WELL SYMBOLS

103 — Well Identification

+ — Well Type and Location

100.15 — Groundwater Elevation (ft, MSL)

WELL TYPES

+ Monitor Well

△ Extraction Well

× State-owned Well

◆ Water Supply Well

▲ Domestic Well

— 100 — Groundwater Elevation Contour (feet)

——— Groundwater Elevation Contour (feet)

- - - - - - - Consent Decree Boundary

—·—·— Perimeter Groundwater Operable Unit

—·—·— Sector Boundary

——— Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

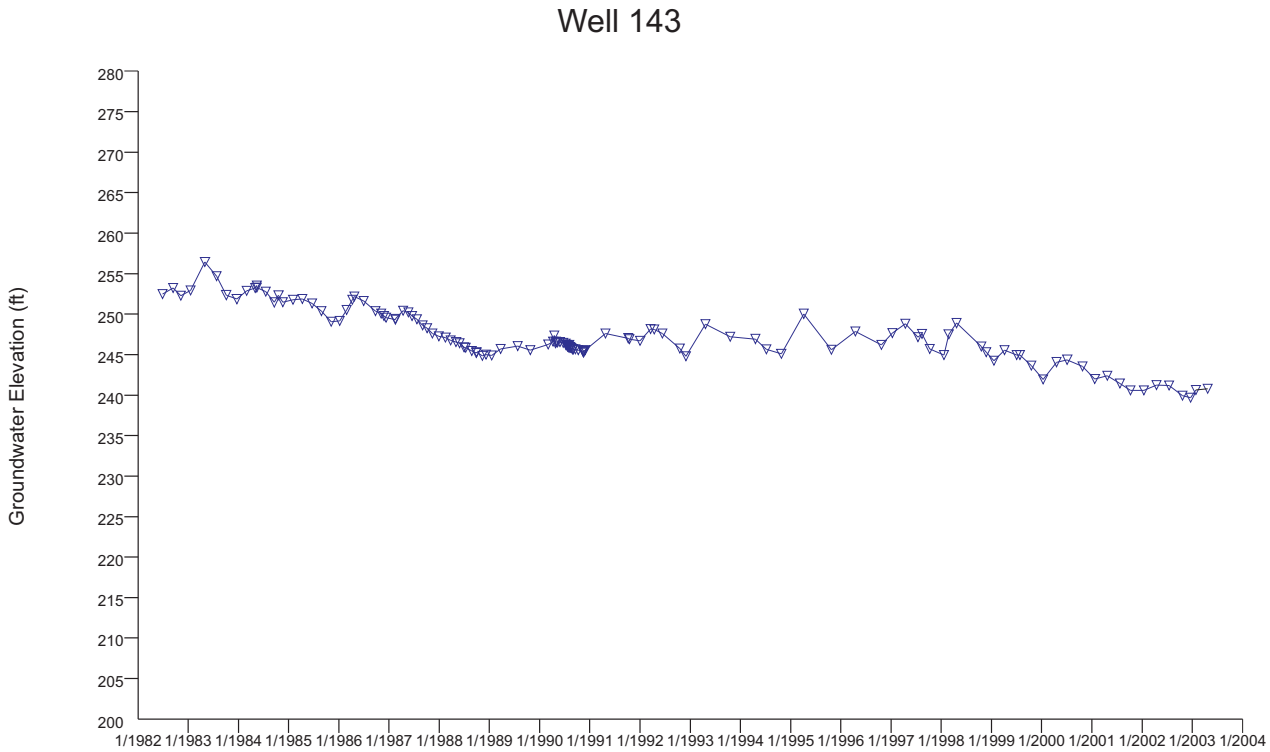
0 500 1000

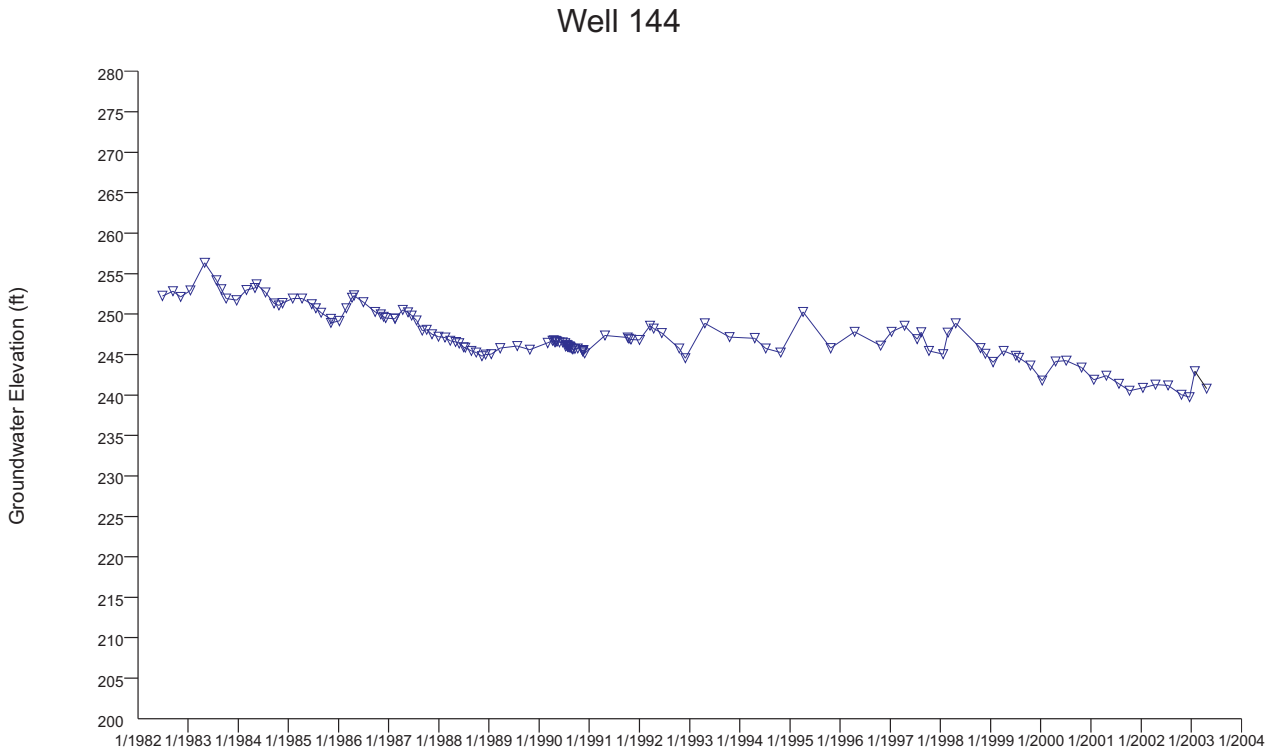
AEROJET
Environmental Remediation

FIGURE D-15

Bedrock
Potentiometric Surface Map, April 2004
Zone 4 PGOU

1/26/05 kk SR10114542

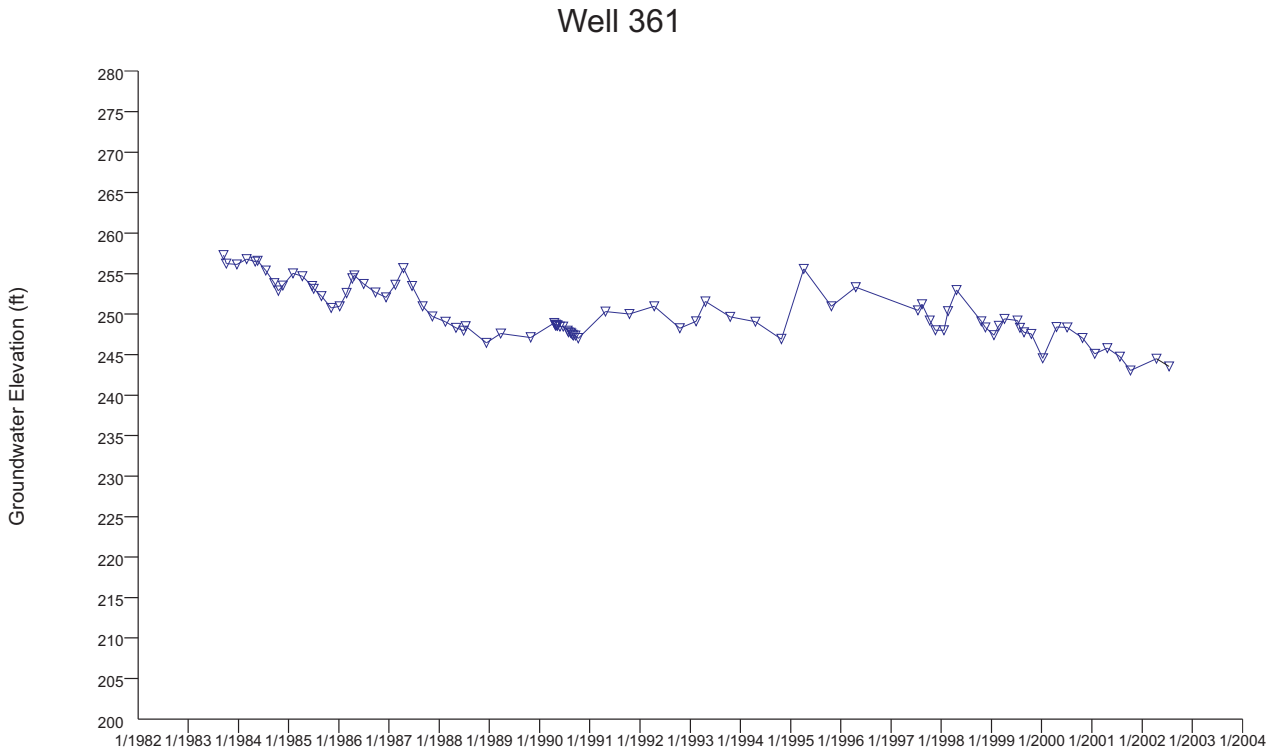


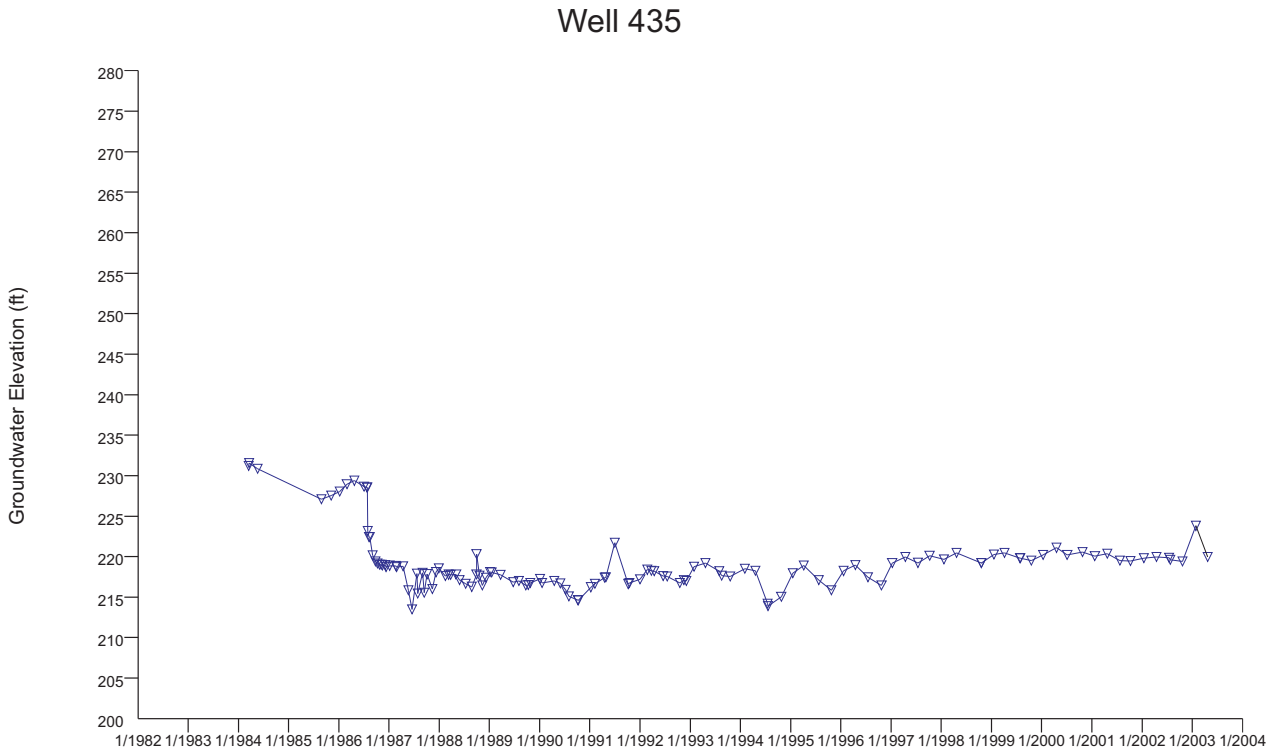


AEROJET
Environmental Remediation

FIGURE D-16
Water Level Hydrographs
Wells 143 and 144
Zone 4 PGOU

1/19/05 KK SR10114543 sht 1/4

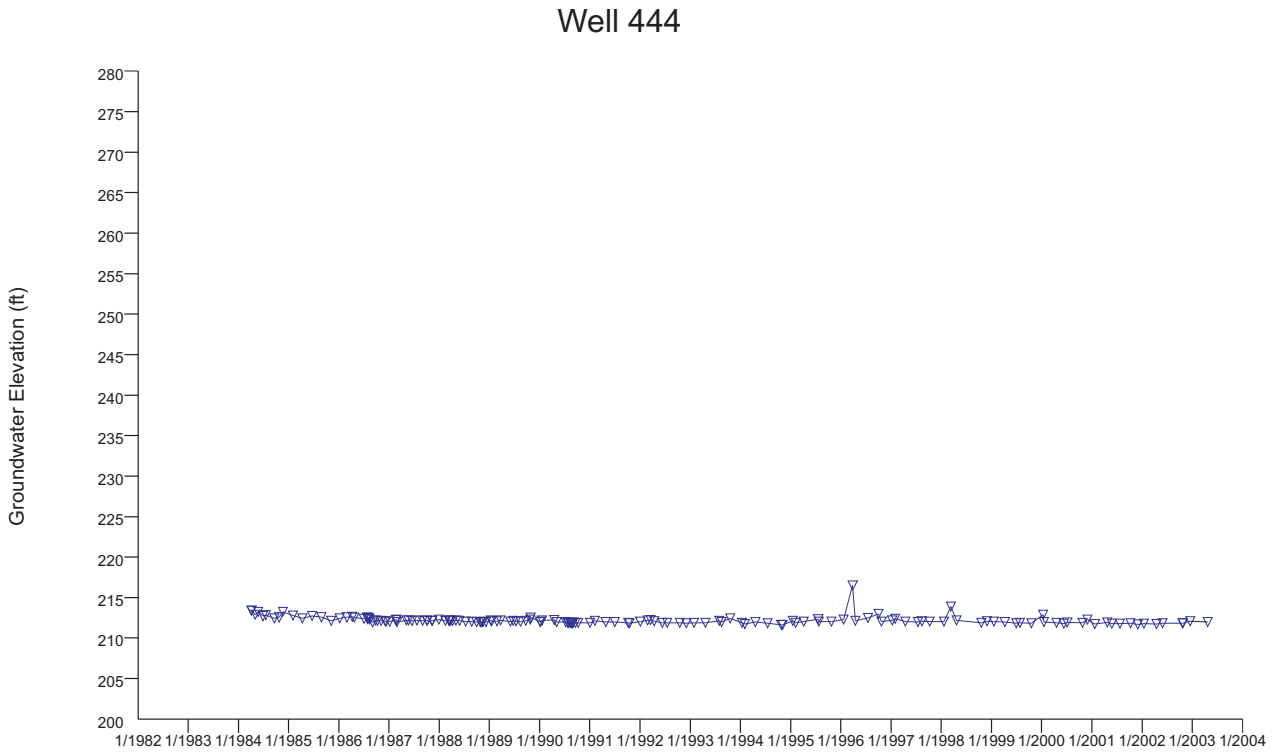


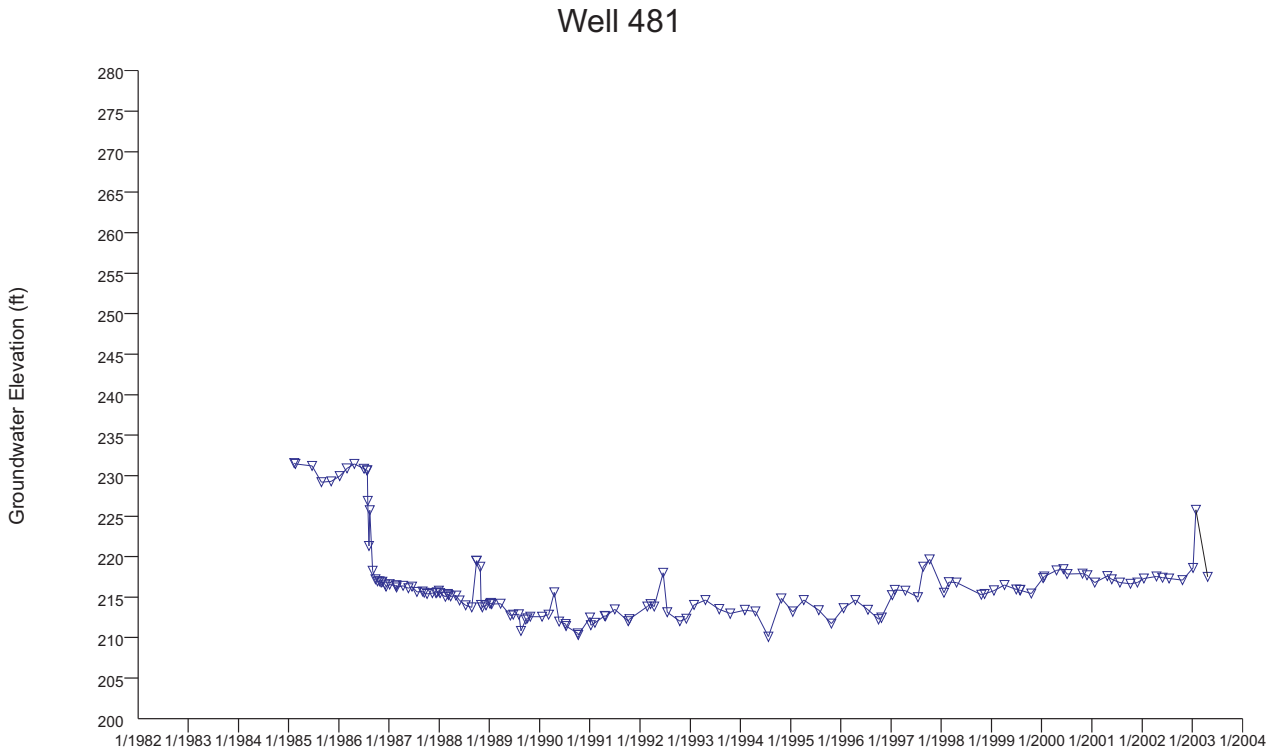


AEROJET
Environmental Remediation

FIGURE D-17
Water Level Hydrographs
Wells 361 and 435
Zone 4 PGOU

1/19/05 KK SR10114543 sht 2/4

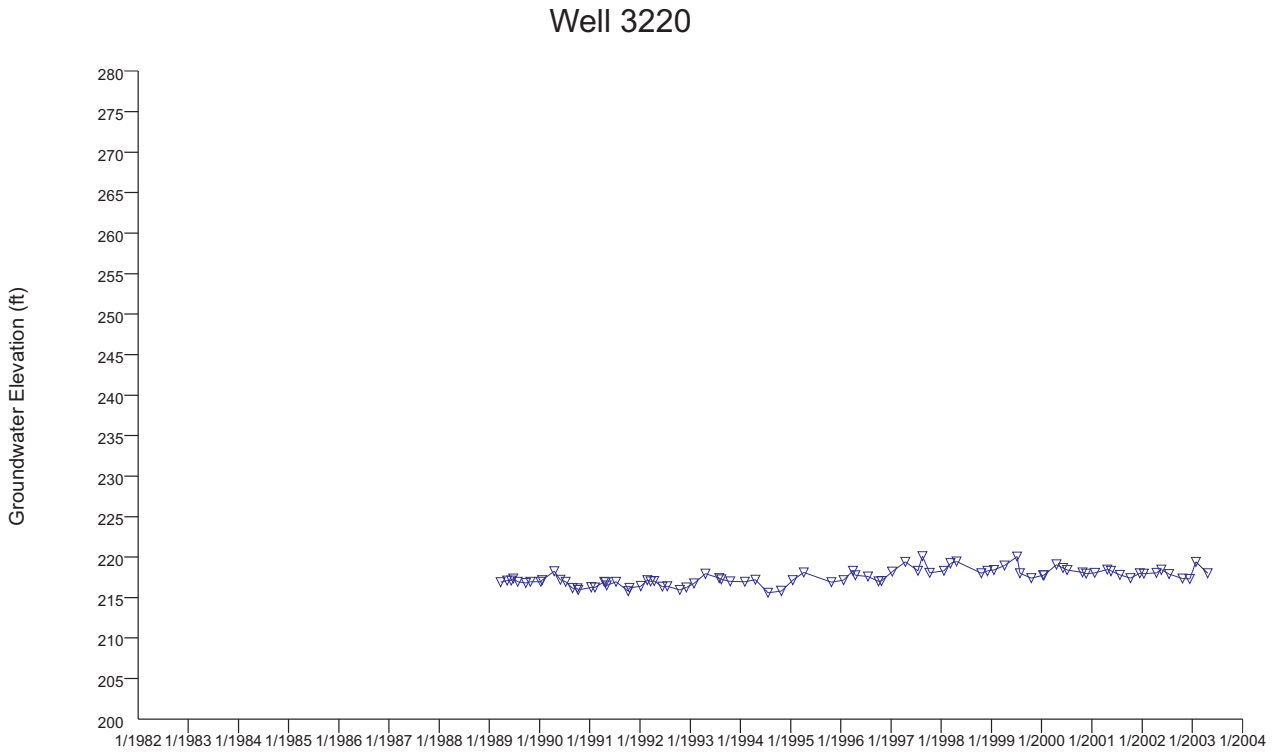


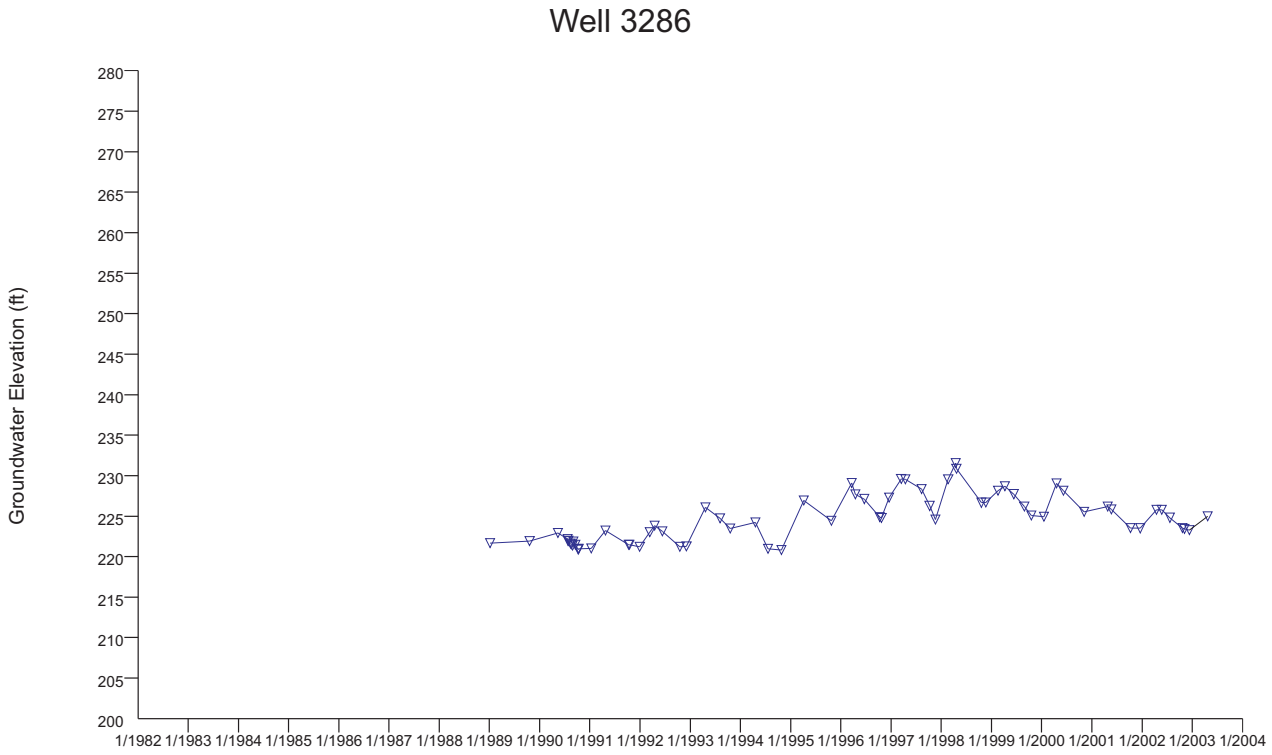


AEROJET
Environmental Remediation

FIGURE D-18
Water Level Hydrographs
Wells 444 and 481
Zone 4 PGOU

1/19/05 KK SR10114543 sht 3/4

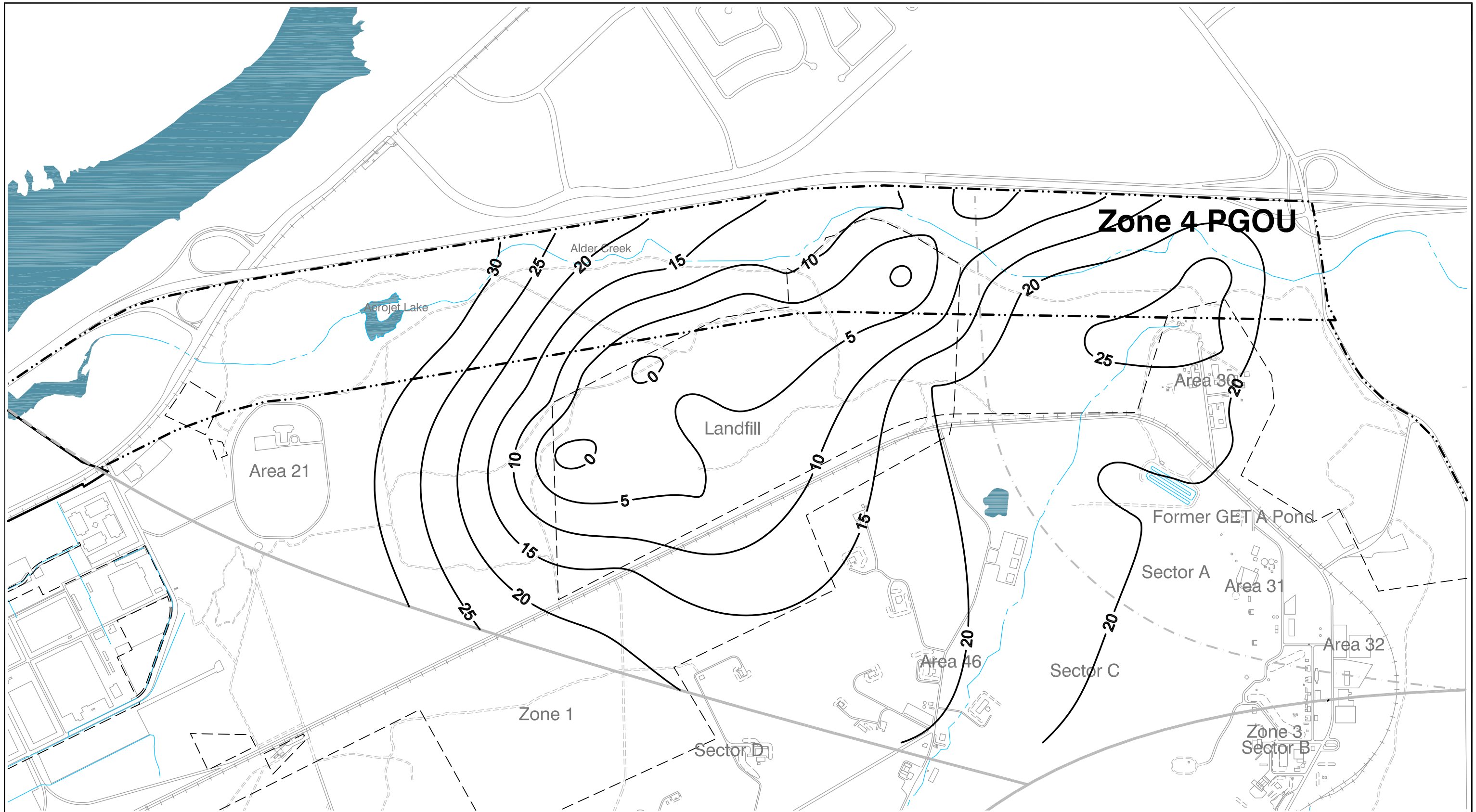




AEROJET
Environmental Remediation

FIGURE D-19
Water Level Hydrographs
Wells 3220 and 3286
Zone 4 PGOU

1/19/05 KK SR10114543 sht 4/4



5 — Groundwater Head Difference Contour (feet)
Positive Indicates Downward Gradient
Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

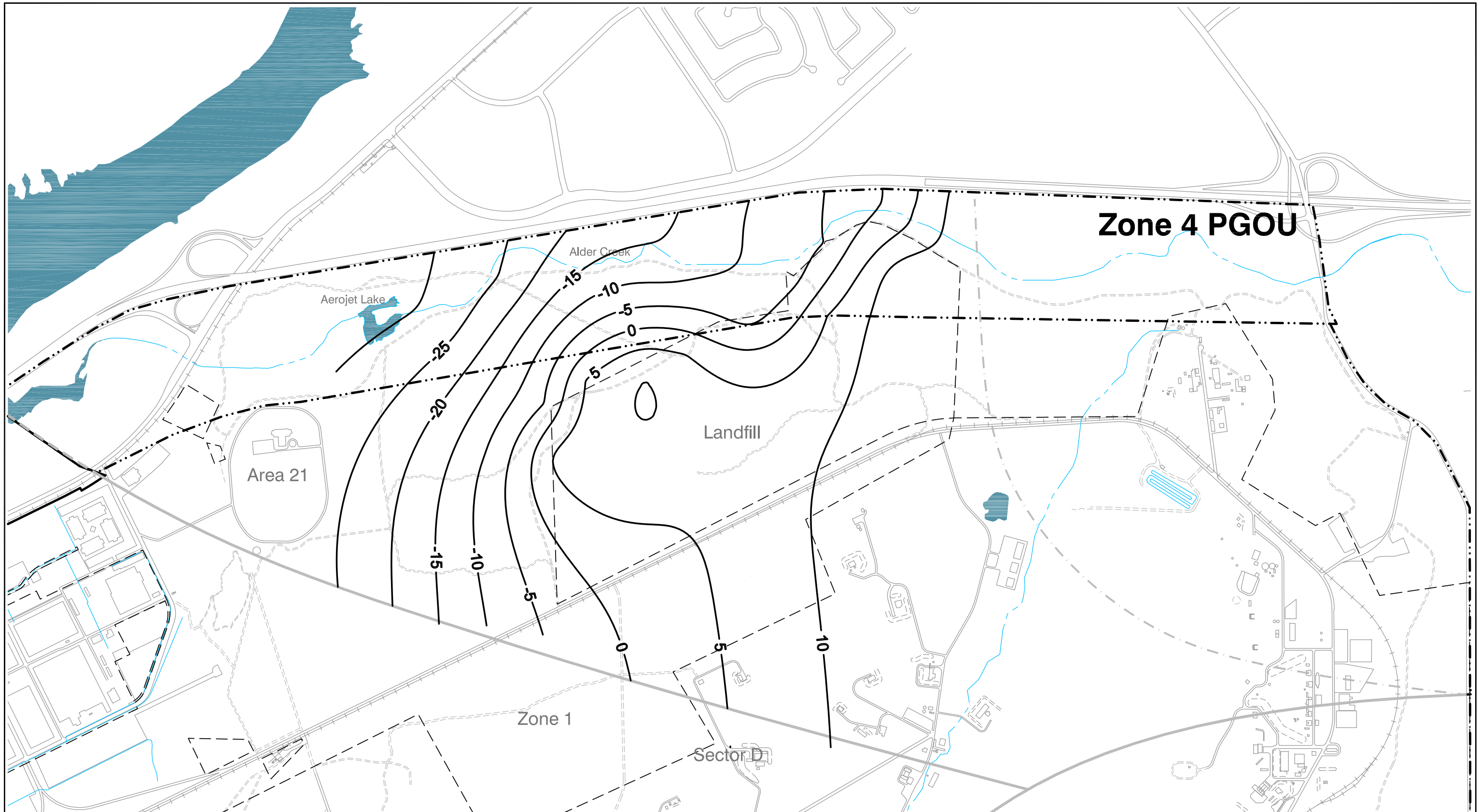
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-20

Head Difference Map
Dredged Layer - Layer A, April 2004
Zone 4 PGOU

1/26/05 kk SR10114544



5 — Groundwater Head Difference Contour (feet)
Positive Indicates Downward Gradient
Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

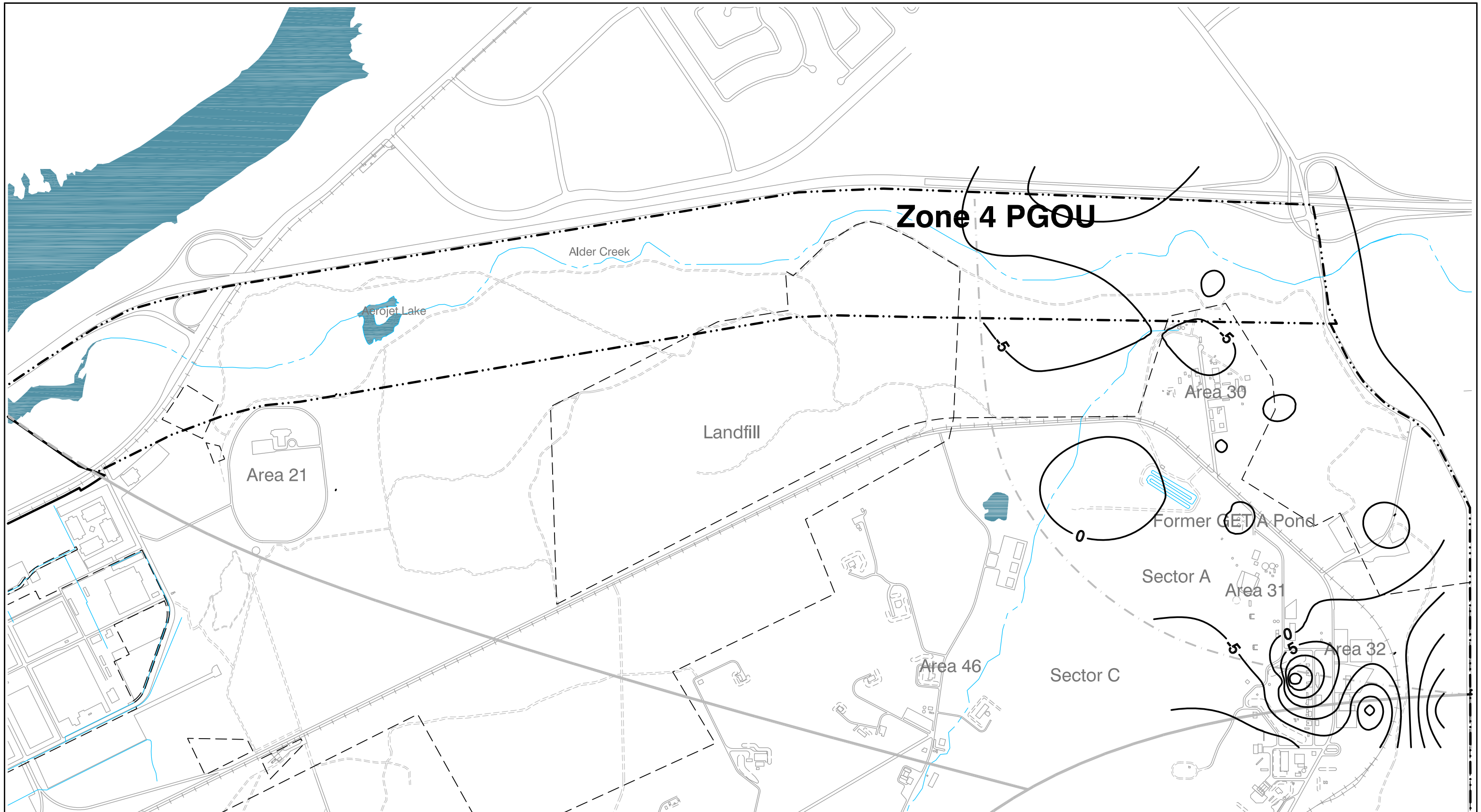
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-21

Head Difference Map
Layer A - Layer B, April 2004
Zone 4 PGOU

1/26/05 kk SR10114545



5 — Groundwater Head Difference Contour (feet)
Positive Indicates Downward Gradient
Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

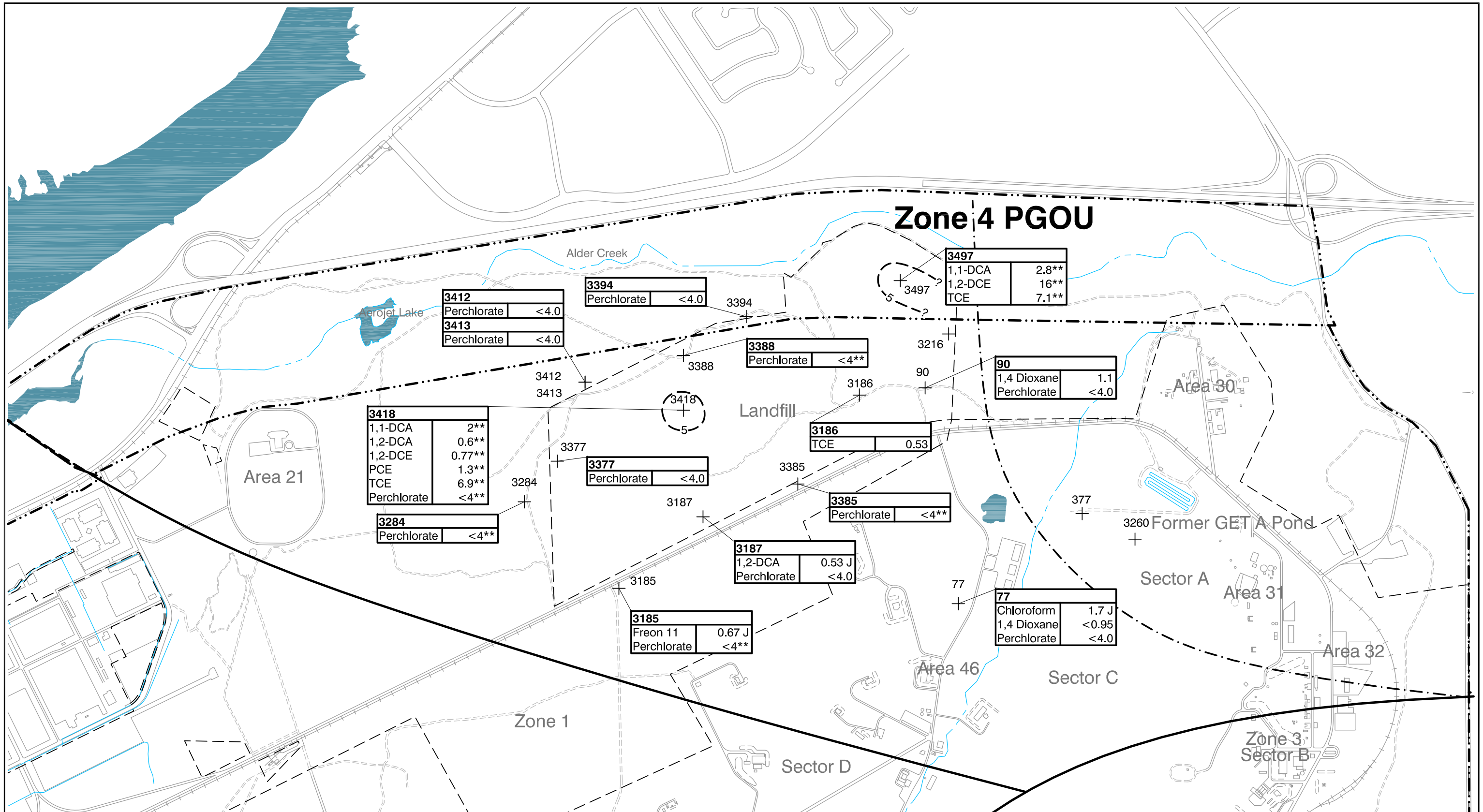
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-22

Head Difference Map
Layer A - Bedrock Layer, April 2004
Zone 4 PGOU

1/26/05 kk SR10114546



EXPLANATION

Well Designation

3198	
Freon 11	0.7

Analyte — Most Recent Results (µg/L)

Consent Decree Boundary

Perimeter Groundwater Operable Unit

Sector Boundary

Zone Boundary (Dashed Where Extended Offsite)

5 — TCE isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.

Double Asterisk (**) Indicates Data Collected After RI Sampling Period

N

Scale: 1" = 1000'

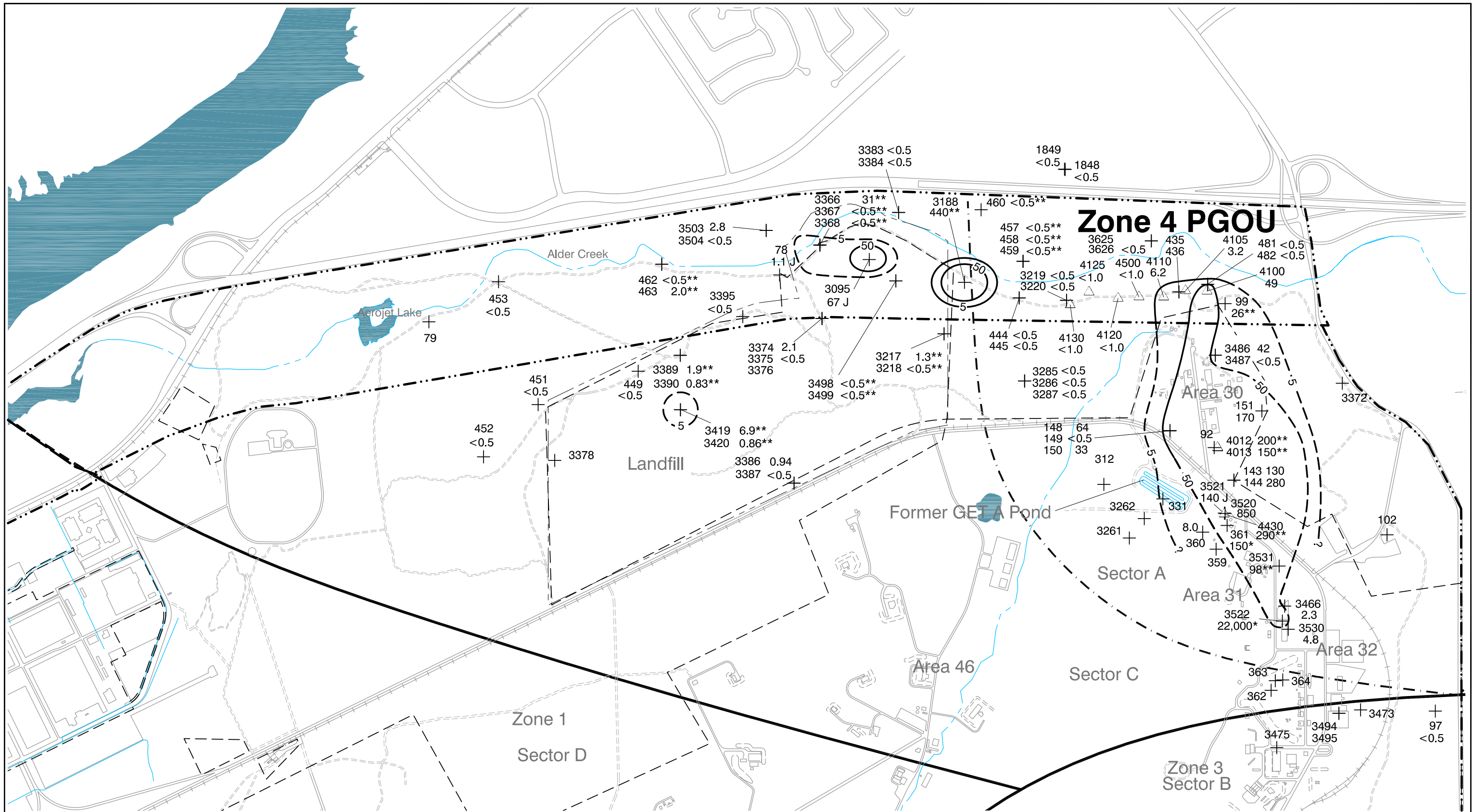
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-23

Dredged Layer - Summary of Chemicals Detected in Groundwater 2000 - 2004
Zone 4 PGOU

2/9/05 kk SR10114524



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification — 161 260 — Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Value
Well Type and Location

Asterisk (*) Indicates Data Collected Prior to RI Sampling Period
Double Asterisk (**) Indicates Data Collected After RI Sampling Period

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

- 5 — Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
- Consent Decree Boundary
- Perimeter Groundwater Operable Unit
- Sector Boundary
- Zone Boundary (Dashed Where Extended Offsite)

N

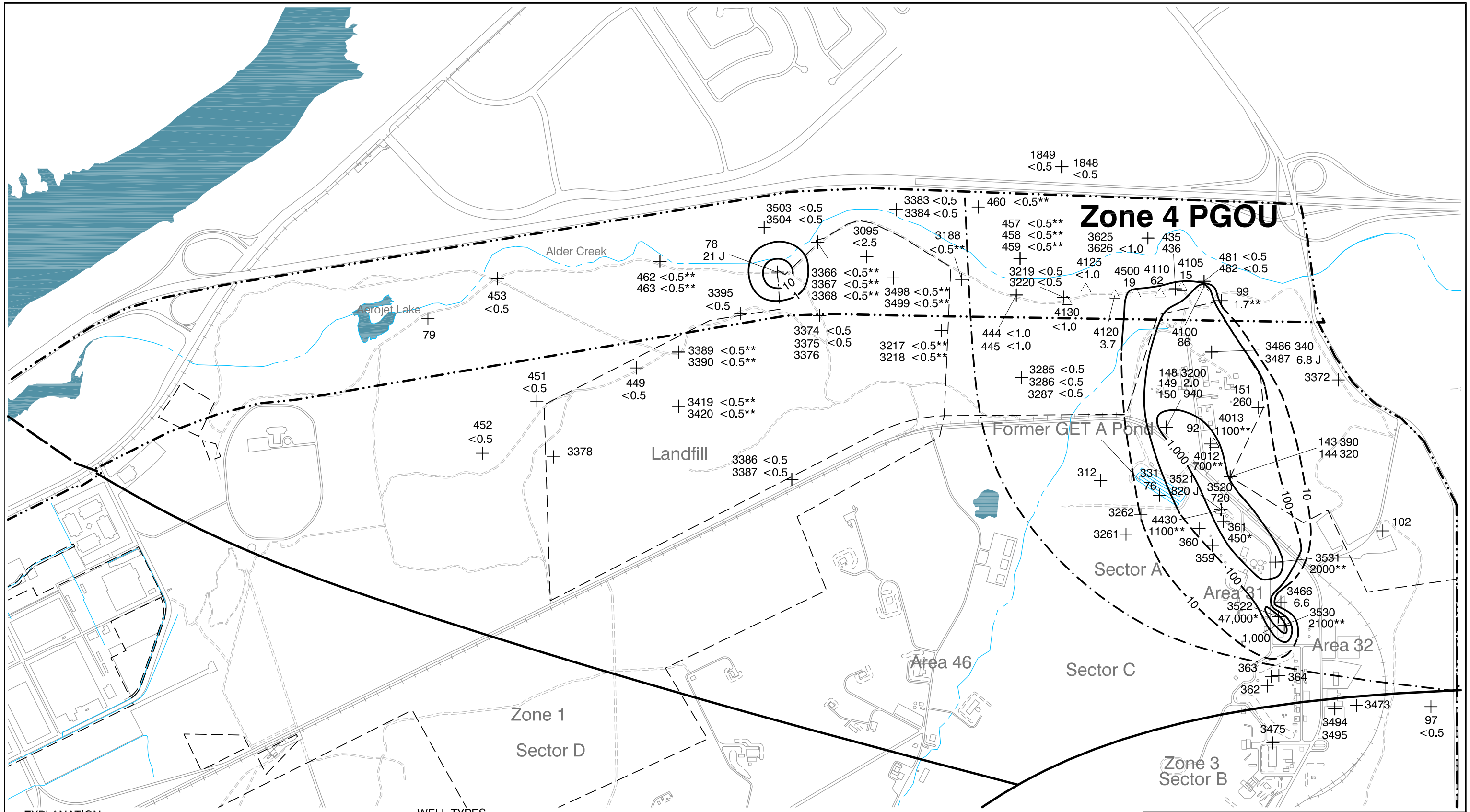
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-24

Layer A
TCE Iso-Concentration Contours 2000 - 2004
Zone 4 PGOU

2/3/05 kk SR10114525



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification —— 161 260 —— Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Concentration
Well Type and Location

Asterisk (*) Indicates Data Collected Prior to RI Sampling Period
Double Asterisk (**) Indicates Data Collected After RI Sampling Period

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

—— 5 —— Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
- - - - - - - Consent Decree Boundary
—·—·— Perimeter Groundwater Operable Unit
—·—·— Sector Boundary
—— Zone Boundary (Dashed Where Extended Offsite)

N

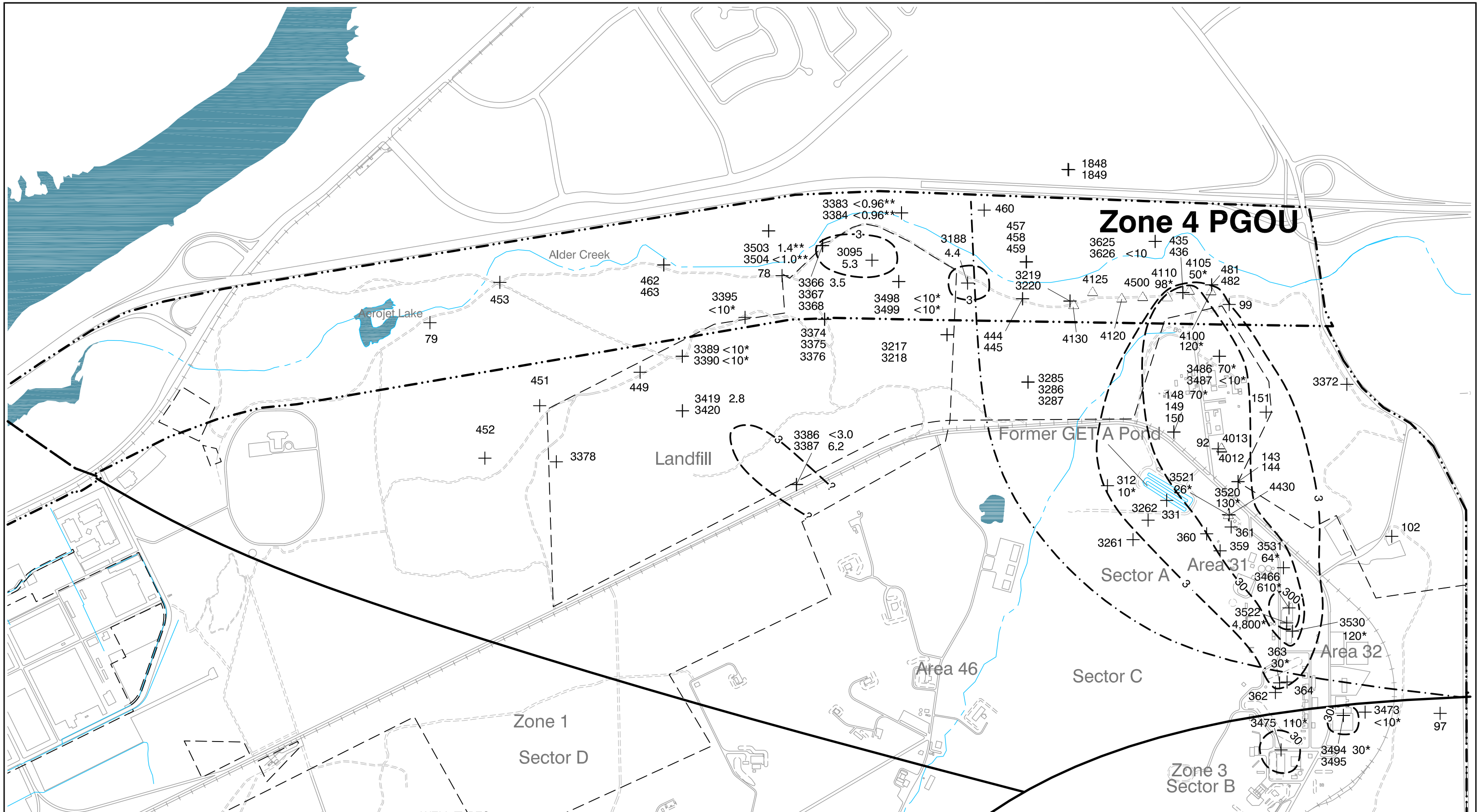
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-25

Layer A
Freon-113 Iso-Concentration Contours 2000 - 2004
Zone 4 PGOU

1/31/05 kk SR10114526



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification —— 161 260 —— Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Concentration
Well Type and Location

Asterisk (*) Indicates Data Collected Prior to RI Sampling Period
Double Asterisk (**) Indicates Data Collected After RI Sampling Period

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

—10— Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'
0 500 1000

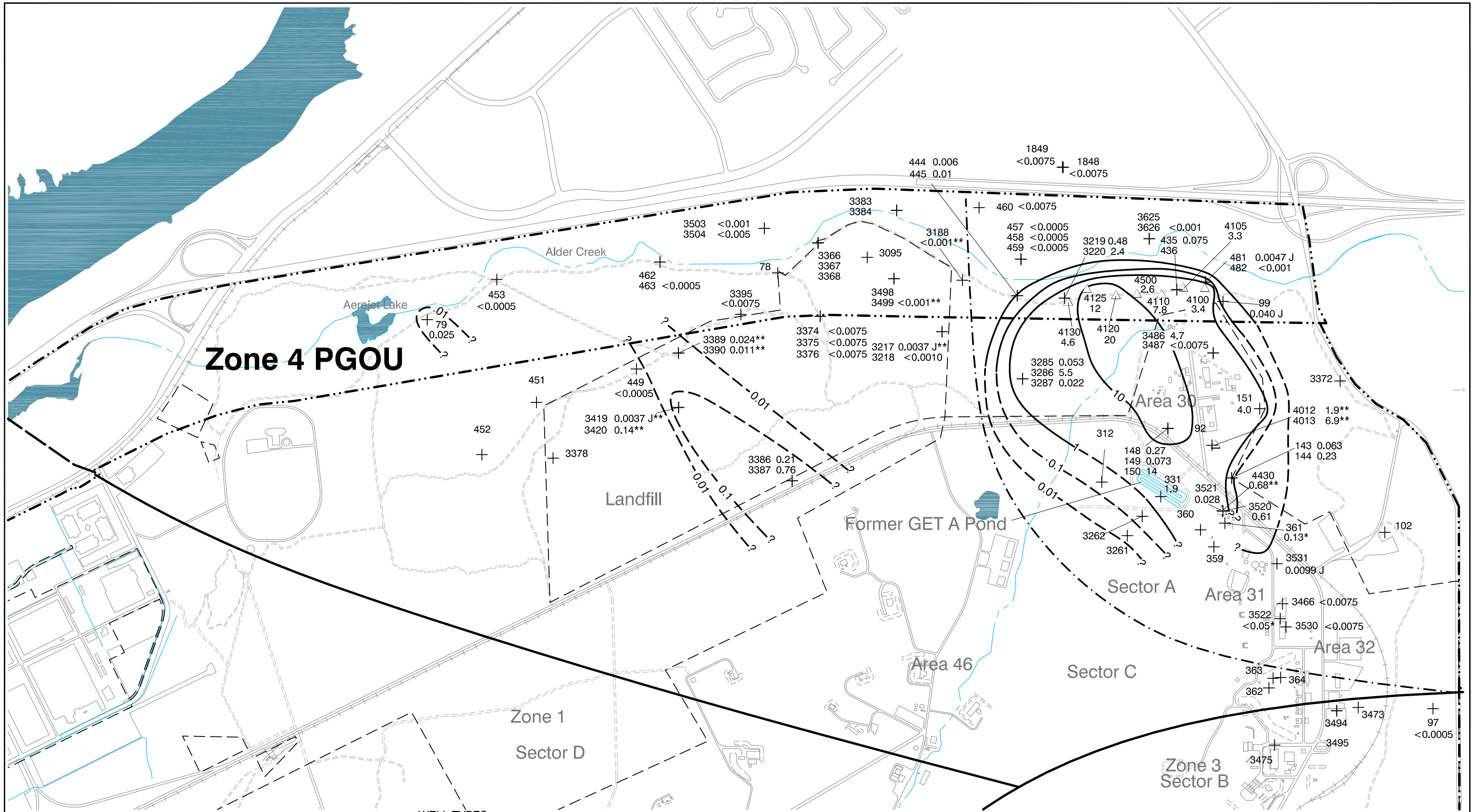
AEROJET
Environmental Remediation

FIGURE D-26

Layer A

1,4 Dioxane Iso-Concentration Contours, 2000 - 2004
Zone 4 PGOU

2/9/05 kk SR10114527



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification —— 161 260 —— Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Concentration
Well Type and Location

Asterisk (*) Indicates Data Collected Prior to RI Sampling Period
Double Asterisk (**) Indicates Data Collected After RI Sampling Period

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

- 5 — Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
- Consent Decree Boundary
- Perimeter Groundwater Operable Unit
- Sector Boundary
- Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

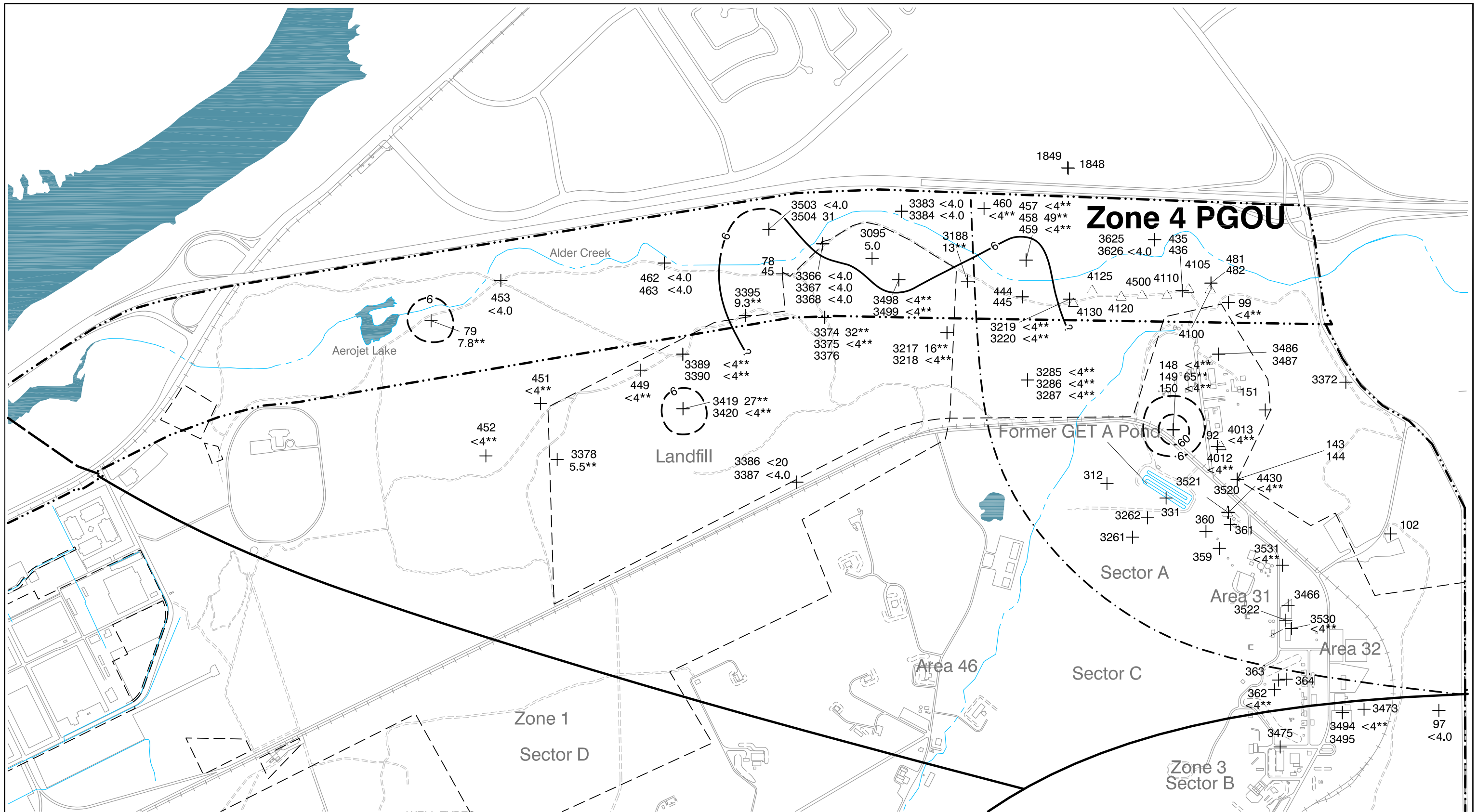
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-27

Layer A
NDMA Iso-Concentration Contours 2000 - 2004
Zone 4 PGOU

1/31/05 kk SR10114528



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification —— 161 260 —— Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Concentration
Well Type and Location

Asterisk (*) Indicates Data Collected Prior to RI Sampling Period
Double Asterisk (**) Indicates Data Collected After RI Sampling Period

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

—5— Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
- - - - - - - - Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

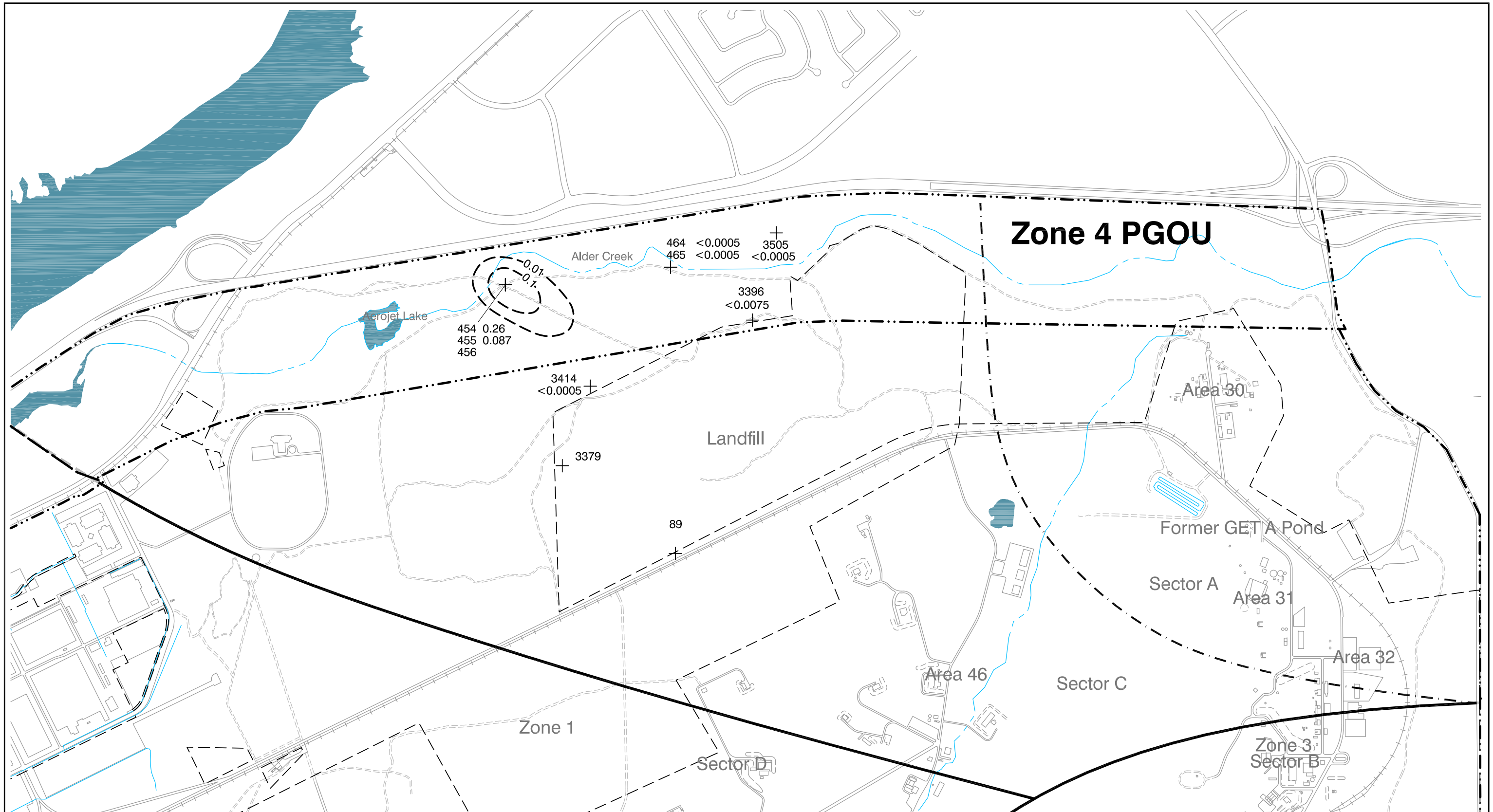
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-28

Layer A
Perchlorate Iso-Concentration Contours 2000 - 2004
Zone 4 PGOU

1/26/05 kk SR10117013



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification —— 161 260 —— Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Concentration
Well Type and Location

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

—10— Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
Consent Decree Boundary
Perimeter Groundwater Operable Unit
Sector Boundary
Zone Boundary (Dashed Where Extended Offsite)

N

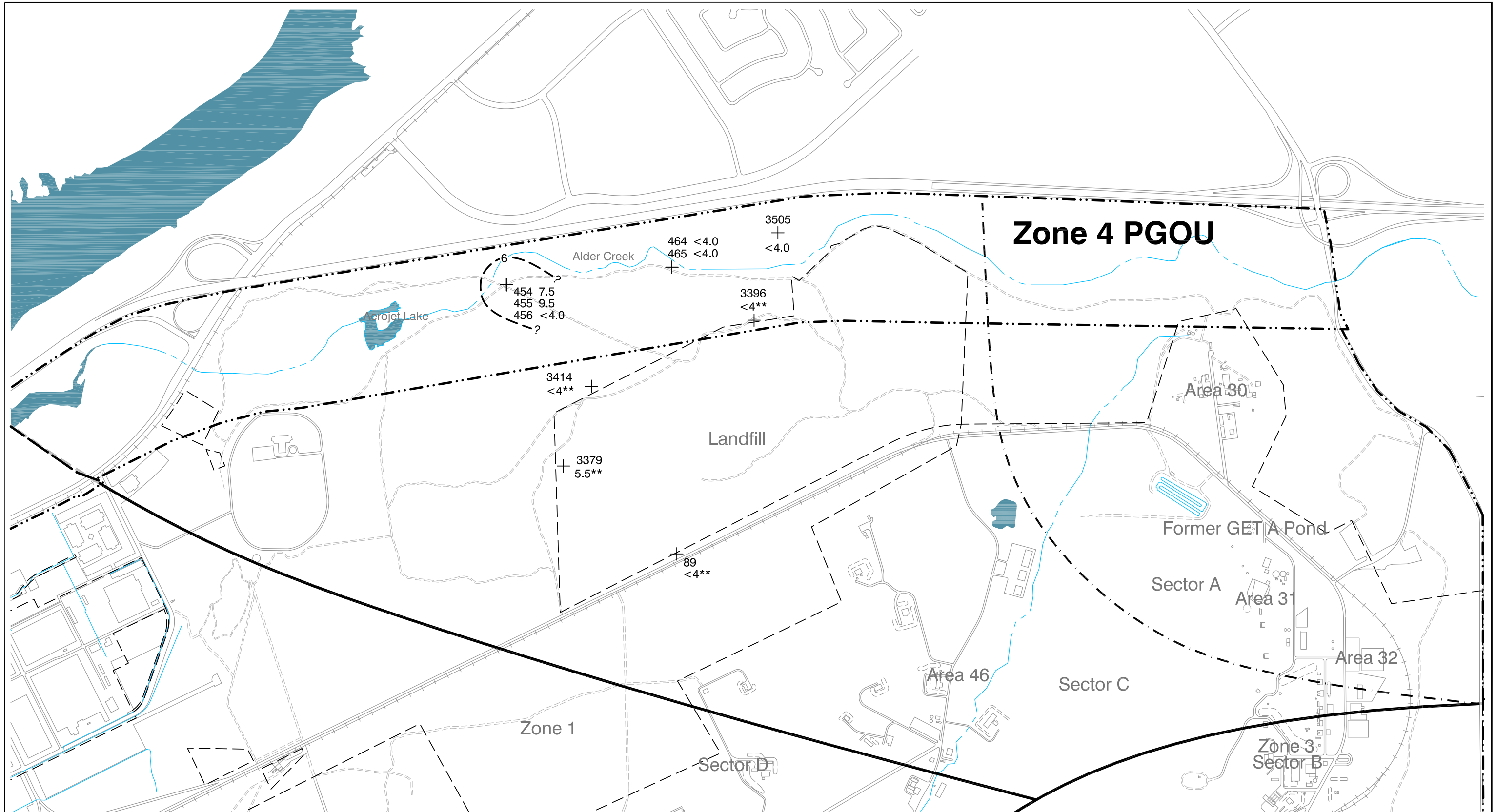
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-29

Layer B
NDMA Iso-Concentration Contours, 2000 - 2004
Zone 4 PGOU

2/9/05 kk SR10114529



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification — 161 260 — Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Concentration
Well Type and Location

Asterisk (*) Indicates Data Collected Prior to RI Sampling Period
Double Asterisk (**) Indicates Data Collected After RI Sampling Period

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

- 4 — Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.
- Consent Decree Boundary
- Perimeter Groundwater Operable Unit
- Sector Boundary
- Zone Boundary (Dashed Where Extended Offsite)

N

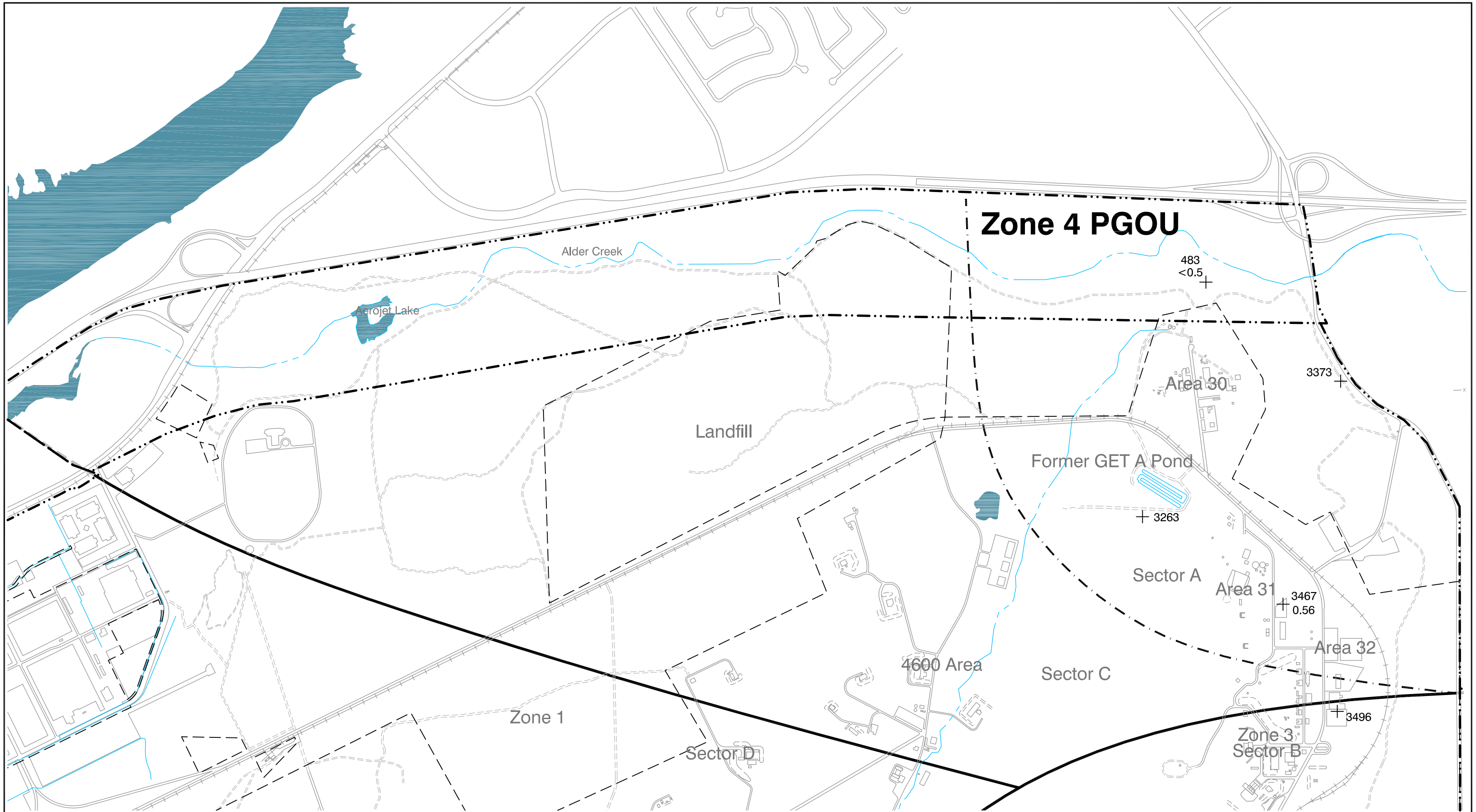
Scale: 1" = 1000'
0 500 1000

AEROJET
Environmental Remediation

FIGURE D-30

Layer B
Perchlorate Iso-Concentration Contours 2000 - 2004
Zone 4 PGOU

1/12/05 kk SR10117014



EXPLANATION

KEY TO WELL SYMBOLS

Well Identification —— 161 260 —— Chemical Concentration in Groundwater, µg/L
No Value = Not Sampled
J = Estimated Value
Well Type and Location

WELL TYPES

- Monitor Well
- Extraction Well
- State-owned Well
- Water Supply Well
- Domestic Well
- Destroyed Well

5 —— Chemical isoconcentration contour in µg/L, dashed where inferred, queried where uncertain.

Consent Decree Boundary

Perimeter Groundwater Operable Unit

Sector Boundary

Zone Boundary (Dashed Where Extended Offsite)

N

Scale: 1" = 1000'

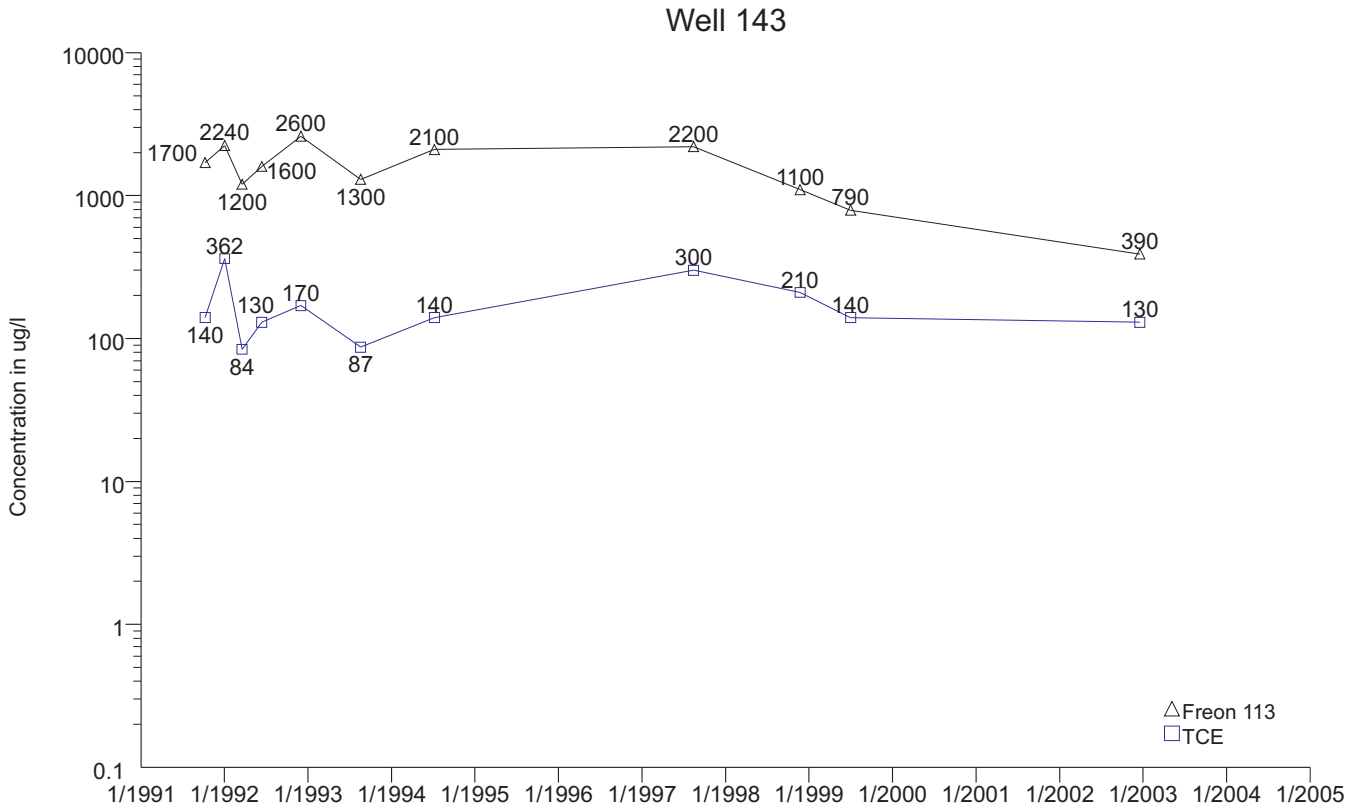
0 500 1000

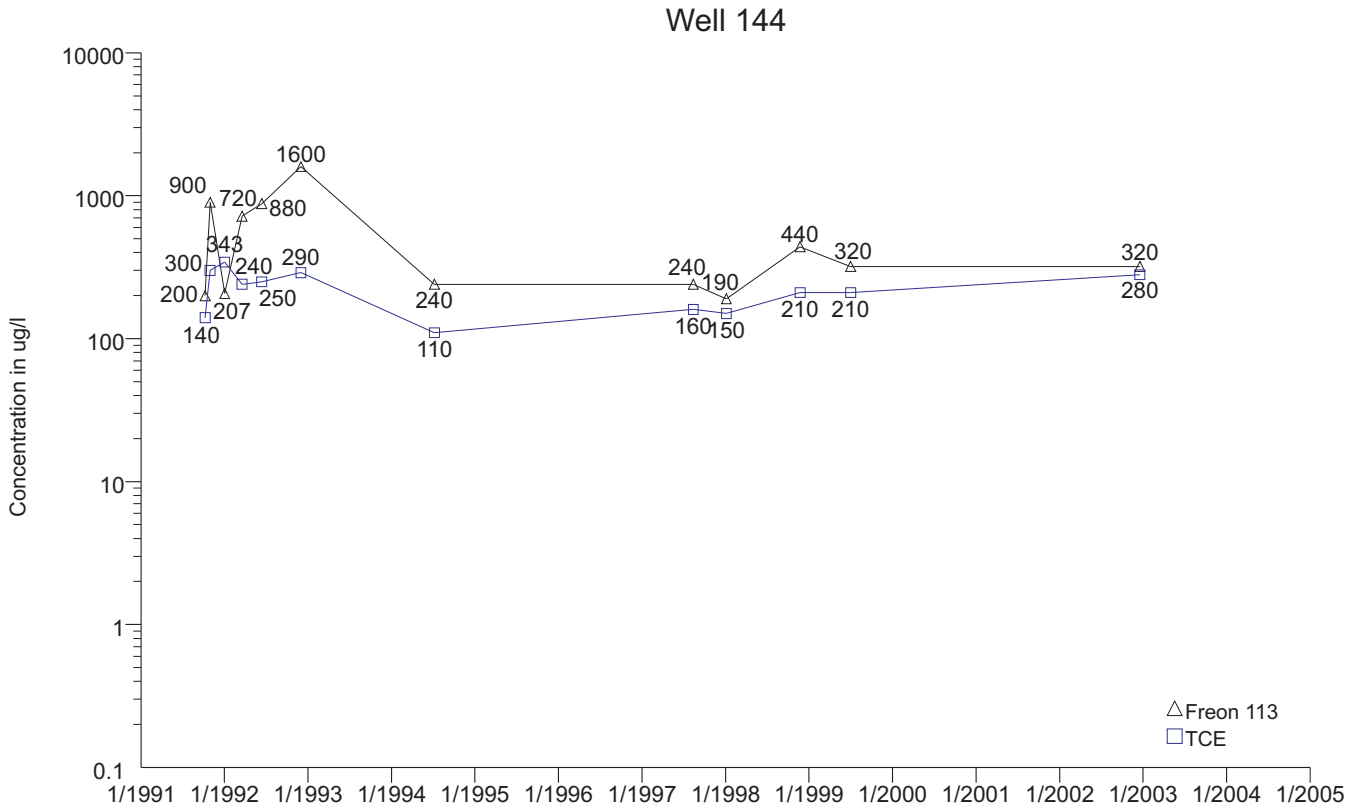
AEROJET
Environmental Remediation

FIGURE D-31

Bedrock
TCE Iso-Concentration Contours, 2000 - 2004
Zone 4 PGOU

2/9/05 kk SR10114530

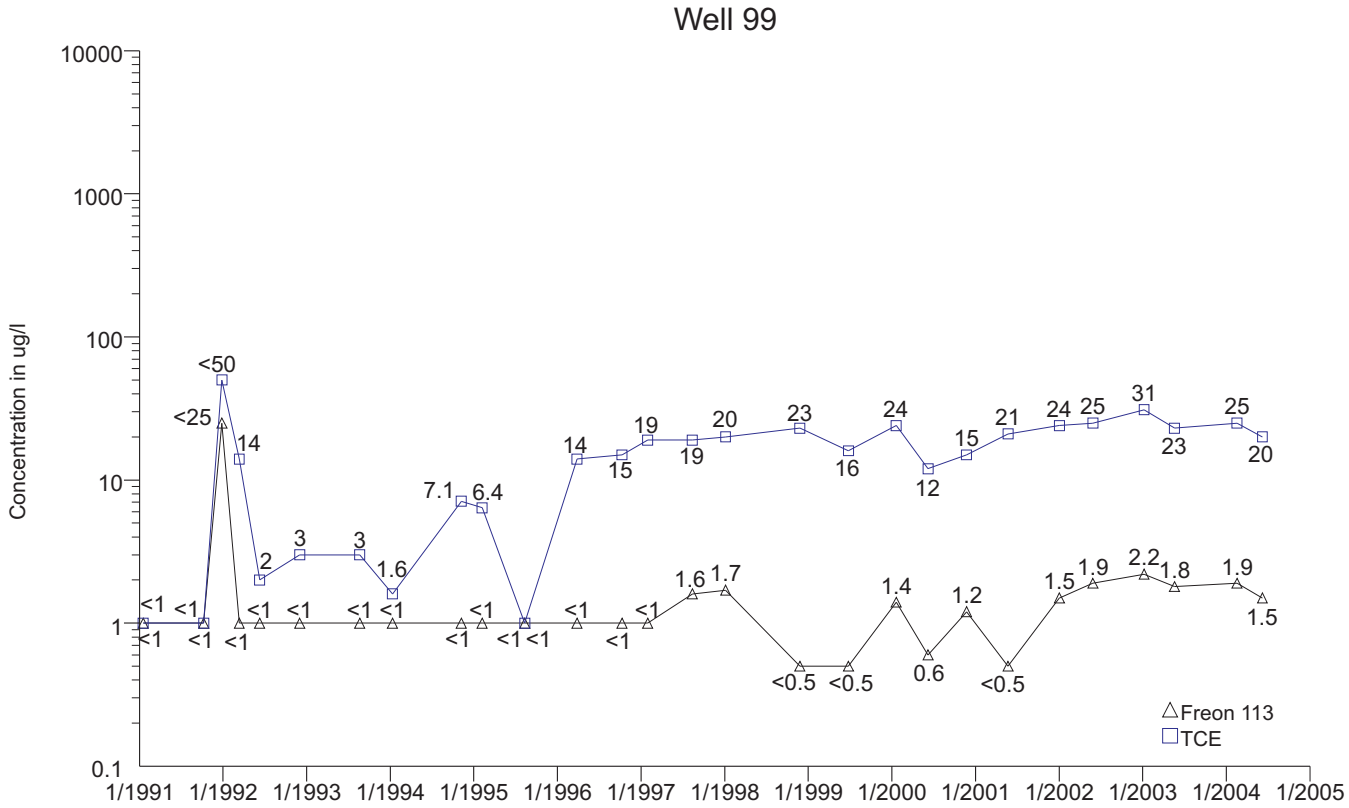


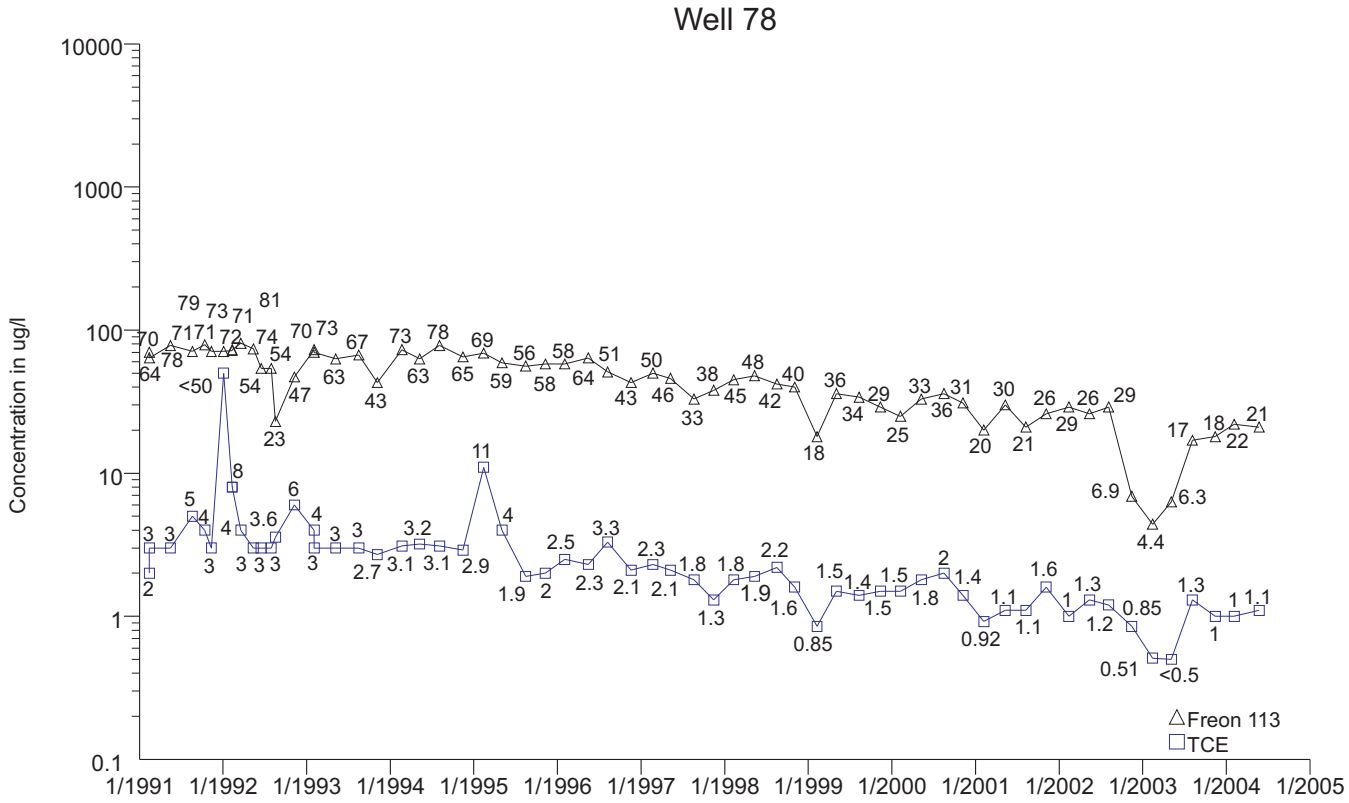


AEROJET
Environmental Remediation

FIGURE D-32
TCE and Freon-113 Concentration Trends
Layer A Wells 143 and 144
Zone 4 PGOU

1/19/05 KK SR10114547

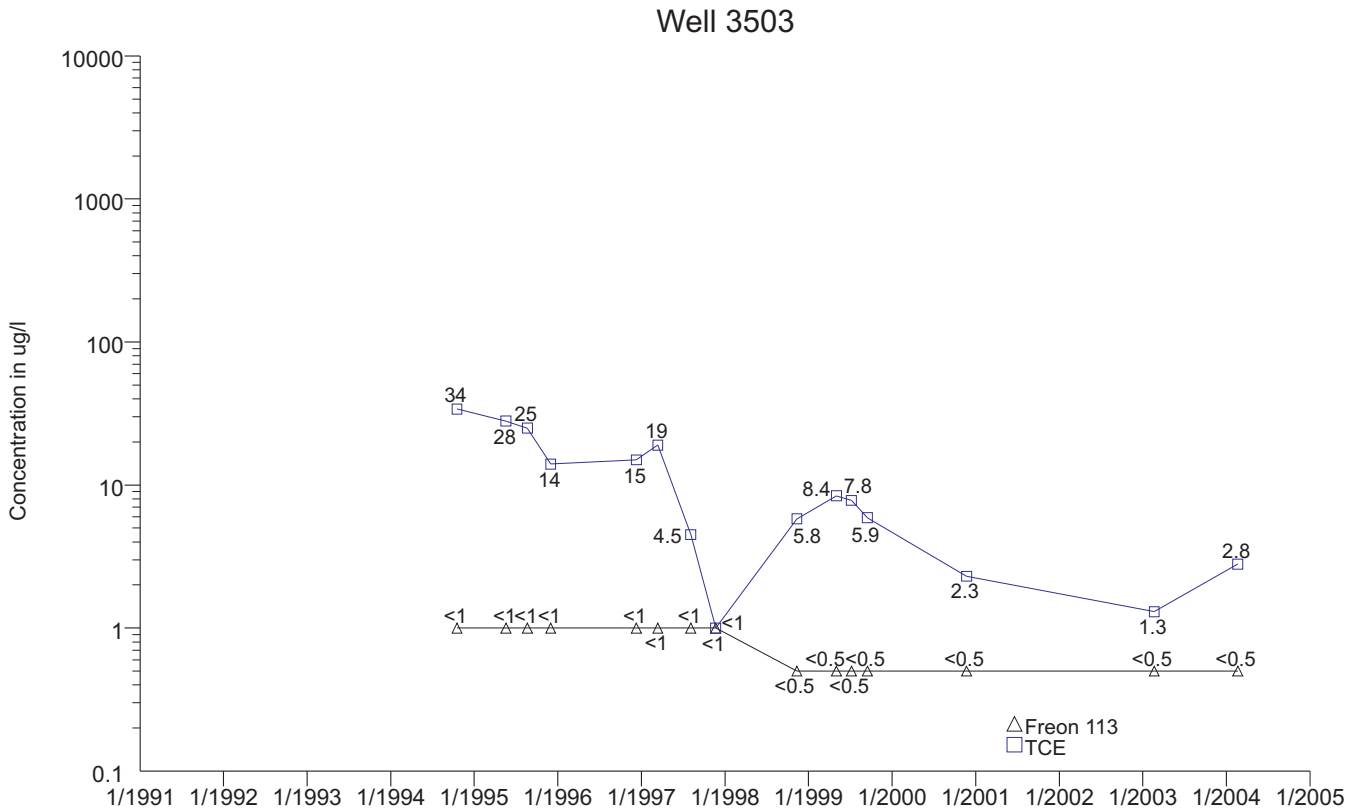


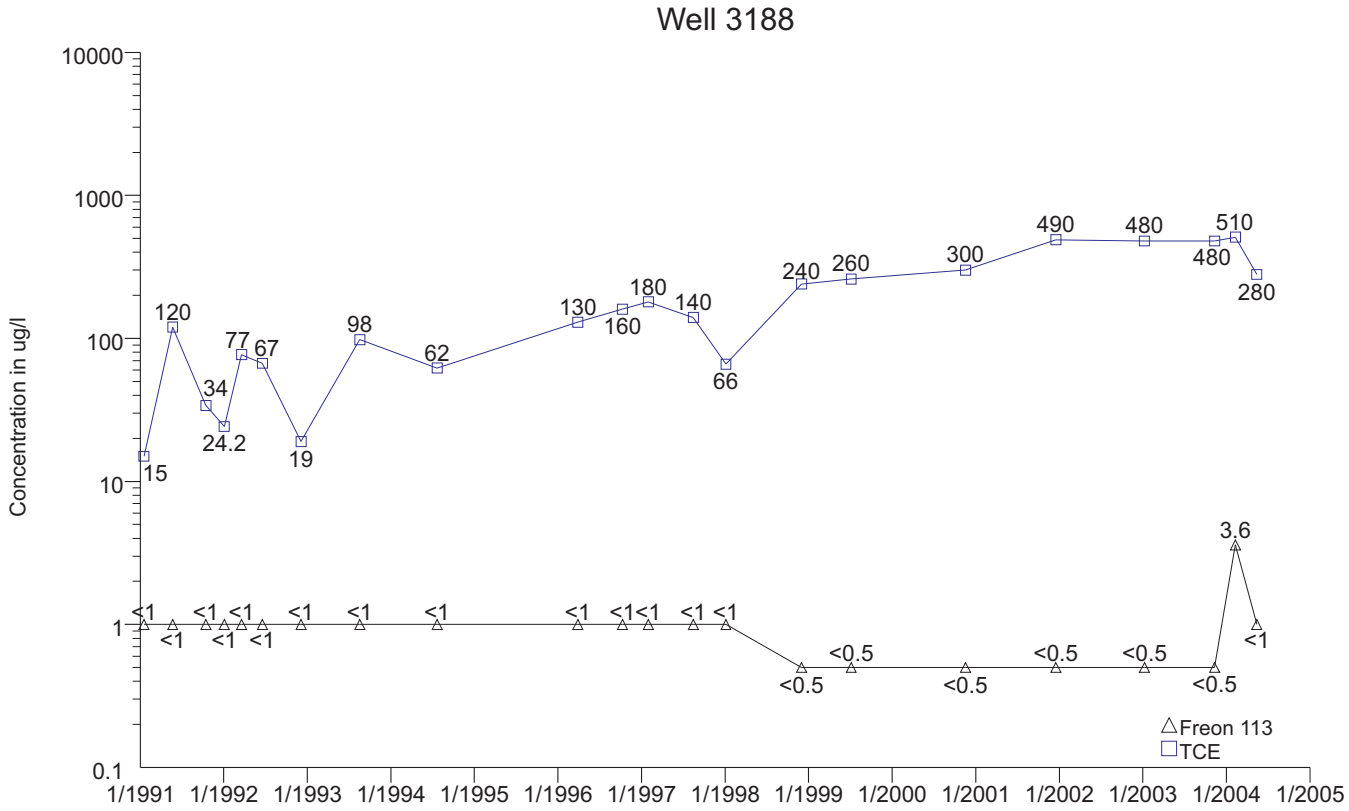


AEROJET
Environmental Remediation

FIGURE D-33
TCE and Freon-113 Concentration Trends
Layer A Wells 99 and 78
Zone 4 PGOU

1/19/05 KK SR10114547

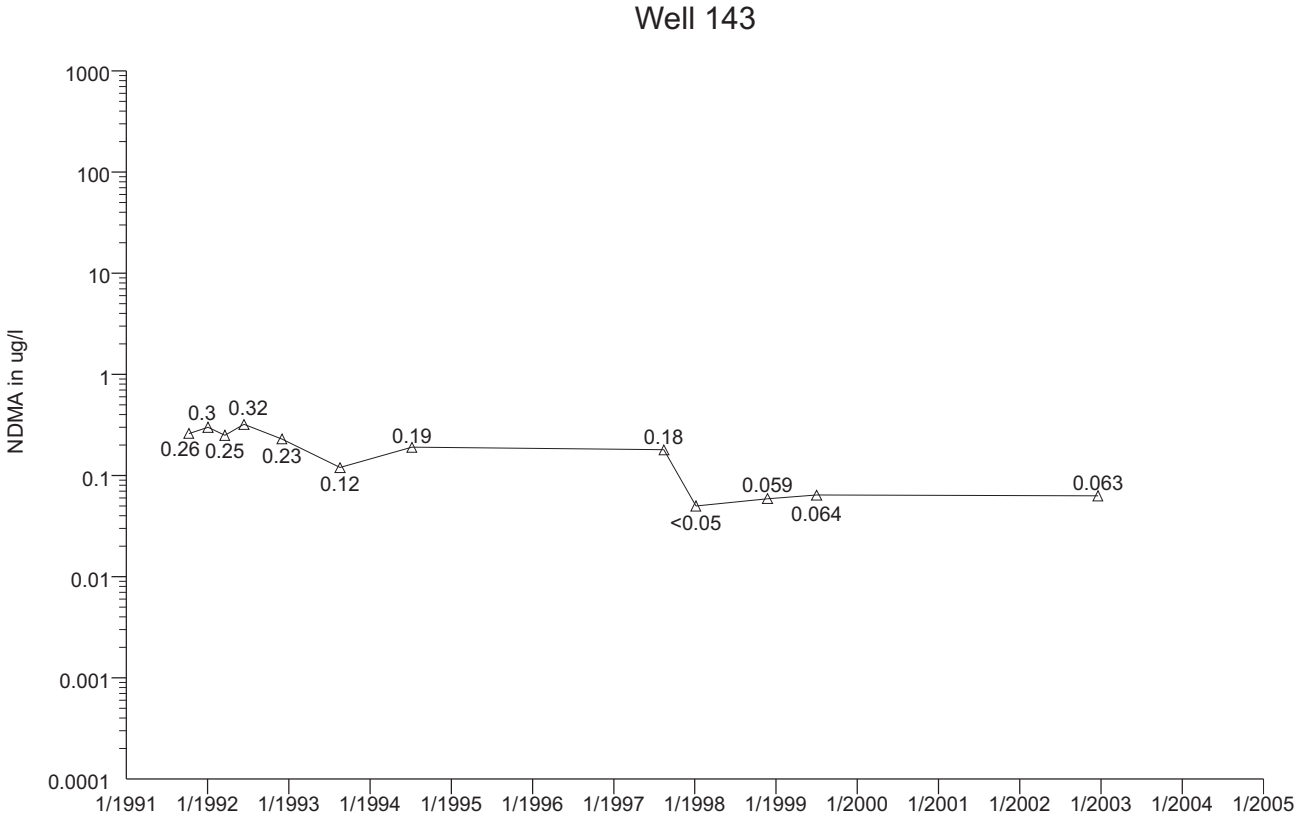


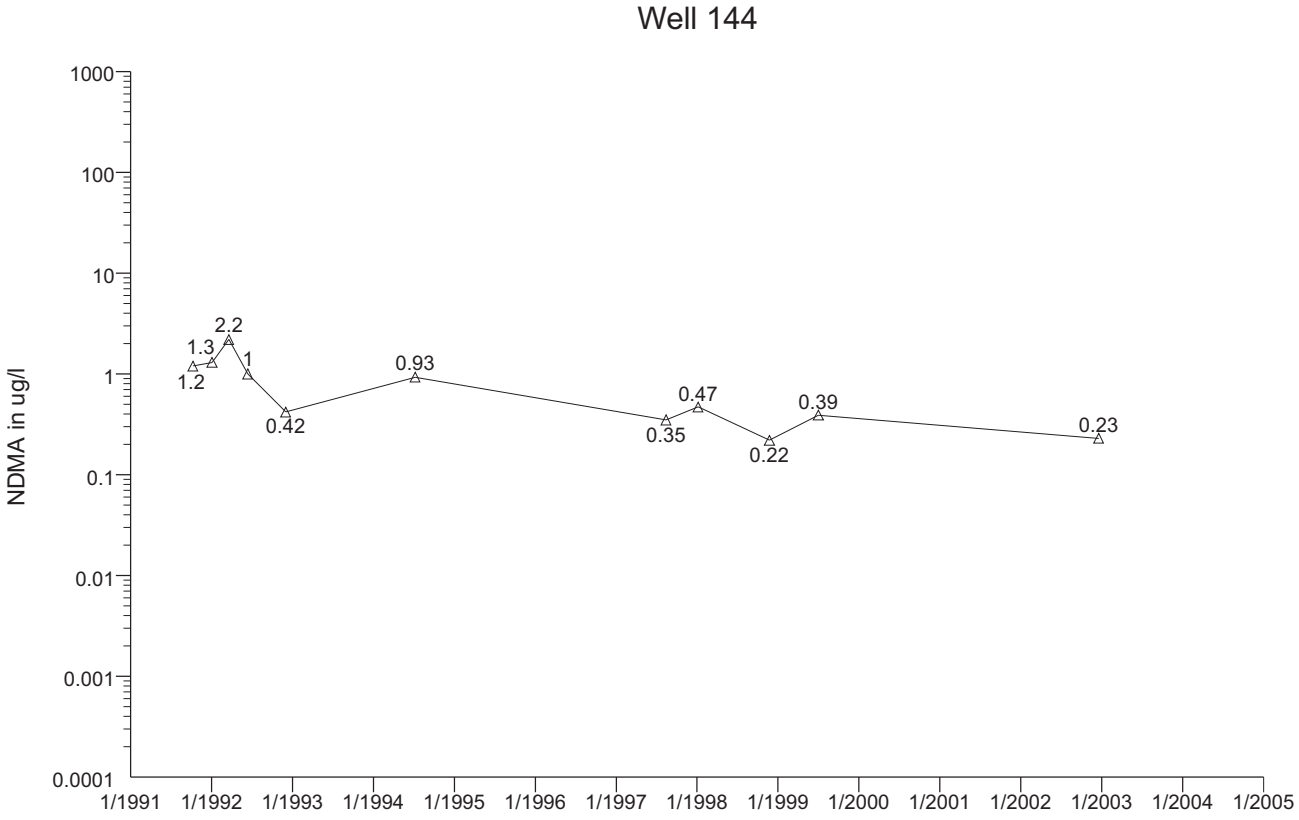


AEROJET
Environmental Remediation

FIGURE D-34
TCE and Freon-113 Concentration Trends
Layer A Wells 3503 and 3188
Zone 4 PGOU

1/19/05 KK SR10114547

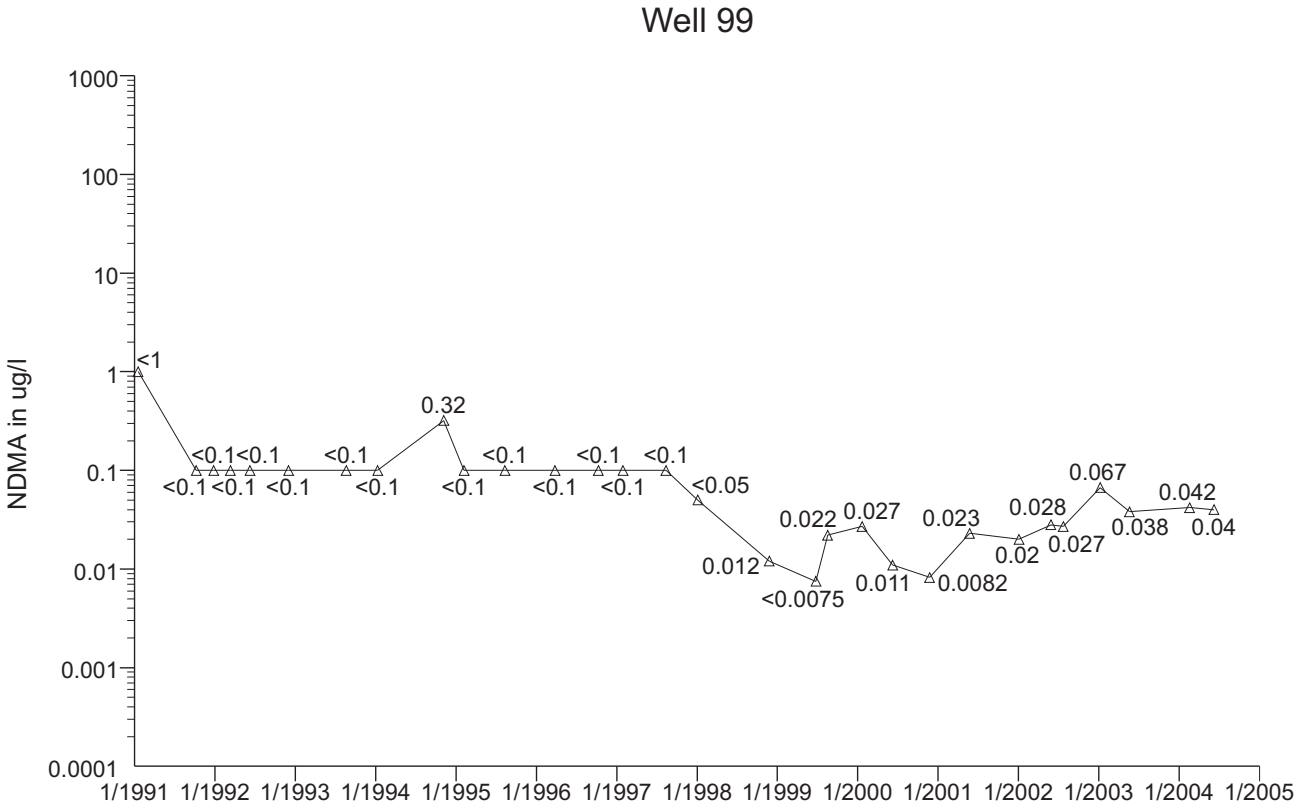




AEROJET
Environmental Remediation

FIGURE D-35
NDMA Concentration Trends
Layer A Wells 143 and 144
Zone 4 PGOU

1/19/04 KK SR10114548



AEROJET
Environmental Remediation

FIGURE D-36
NDMA Concentration Trends
Layer A Well 99
Zone 4 PGOU

1/19/04 KK SR10114548

TABLE D-1: Summary of Non-Volatile Organic Compounds Detected in Soil and Groundwater
Stage 1 Remedial Investigation
Zone 4 Perimeter Groundwater Operable Unit

	Detected in Soils [1][2]	Potential Source Site(s) Detected[3]	Detected in Groundwater [4]	Hydrostratigraphic Layer Detected	Comments
Sector A (Areas 30, 31 and 32)					
SVOCs					
Bis-2-ethylhexyl phthalate	No	Not Applicable	Yes	A	Suspected laboratory contaminant [5]
1,4-dioxane	No	Not Applicable	Yes	A	Potential association with TCE
NON-VOCs					
Perchlorate	No	Not Sampled	No	Not Applicable	Detection limits lower than during Stage 1
N-Nitrosodimethylamine	Yes	1A	Yes	A	
Nitrate	No	Not Applicable	Yes	A	No potential source areas identified
Hydrocarbons	Yes	8A & A(d)	No	Not Applicable	
Kerosene	Yes	7A	No	Not Applicable	
METALS					
Copper	Yes	3A & 7A	No	Not Applicable	
Mercury	Yes	A(a) & A(b)	No	Not Applicable	
Sector C (Former Aerojet Solid Waste Landfill & Area 46)					
SVOCs					
Bis-2-ethylhexyl phthalate	Yes [6]	Waste Management Unit 1	No	Not Applicable	Suspected laboratory contaminant [5]
di-n-butyl phthalate	Yes [6]	Waste Management Unit 1	No	Not Applicable	Suspected laboratory contaminant. [5]
4-Methylphenol	Yes [6]	Waste Management Unit 1	No	Not Applicable	
PCBs	Yes [6]	Waste Management Unit 2	Not Analyzed	Not Applicable	Non-detect in confirmation soil samples
NON-VOCs					
Perchlorate	No	Not Applicable	No	Not Applicable	Detection limits lower than during Stage 1
N-Nitrosodimethylamine	No	Not Applicable	Yes	A & B	
Total Petroleum Hydrocarbons	Yes	1C & 2C	No	Not Applicable	BTEX compounds not detected.
METALS					
Arsenic	No	Not Applicable	Yes	A	
Lead	No	Not Applicable	Yes	A	
Nickel	No	Not Applicable	Yes	A	

Notes:

1 Source: Stage 1 RI/FS Report - Zones 3 and 4, ICF Kaiser Engineers, 1993.
2 Metals reported if above presumed site background levels, Borch, 1994.
3 Stage 1 RI Sampling and Landfill Closure sampling, pre-2000.
4 Metals reported if above Water Quality Objectives (Primary MCLs or State Action Level).
5 Aerojet Special Contaminant Investigation, 1994.
6 Compounds detected in landfill waste materials

TABLE D-2: **Summary of Well Construction Details**
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	AQUIFER LAYER	WELL LOCATION: Easting (feet)	WELL LOCATION: Northing (feet)	WELL TYPE	GSE (ft, msl)	DEPTH TO: Top of Casing (ft, msl)	DEPTH TO: Top of Filter (feet)	DEPTH TO: Top of Screen (feet)	DEPTH TO: Bottom of Screen (feet)	DEPTH TO: Bottom of Filter (feet)	Borehole Depth (feet)	Well Depth (feet)
77	dredged	2237523.0	352020.8	MW	274.80	278.63		32	61		64	64
78	A	2235639.0	355563.8	MW	204.80	208.40		38	42		72	48
79	A	2231842.0	355056.4	MW	180.00	183.88		21	28		40	40
89	B	2234415.0	352617.8	MW	267.10	267.26		248	268		344	268
90	dredged	2237165.0	354345.9	MW	281.50	285.25		46	54		72	72
92	A	2240343.0	353695.3	MW	291.70	295.75		63	80		82	82
97	A	2242737.0	350841.9	MW	320.20	323.60		80	81.5		82	82
99	A	2240462.0	355253.2	MW	238.70	241.77		40	57		57	57
102	A	2242214.9	352751.4	MW	303.80	307.67		88	108		155	112
143	A	2240557.0	353341.4	MW	287.73	289.58	48	55	63	64	126	63
144	A	2240557.0	353341.4	MW	287.73	289.58	76	82	90	111	126	90
148	A	2239865.0	353877.3	MW	311.88	314.05	55	59.5	85.5	95	170	85.5
149	A	2239865.0	353877.3	MW	311.88	314.05	112	117	119	119	170	119
150	A	2239865.0	353877.3	MW	311.88	314.15	129	140	150	154	170	150
151	A	2240860.0	354091.7	MW	281.07	282.03	40	45	60	65	79	60
312	A	2239149.0	353296.9	MW	301.60	304.36		45	67		70	70
331	A	2239788.0	353139.0	MW	311.71	316.65		50	81		83	83
359	A	2240364.0	352594.8	MW	302.64	306.44		30	55		57	57
360	A	2240219.0	352779.2	MW	301.89	301.91		27	53		54	54
361	A	2240483.0	352852.1	MW	295.15	298.72		25	56		60	60
362	A	2240960.0	351067.0	MW	293.18	296.14		20	56		60	57
363	A	2241005.0	351171.2	MW	292.50	296.23		20	54		59	59
364	A	2241086.0	351179.7	MW	294.40	297.61		10	21		30	30
377	dredged	2238856.0	352992.0	MW	278.89	280.84		13	45		47	47
435	A	2239962.0	355380.8	MW	225.85	228.20	21	26	36	44	78	36
436	A	2239962.0	355380.8	MW	225.85	228.20	55	60	65	66	78	65
444	A	2238233.0	355314.7	MW	218.67	221.89	14	17	22	25	93	22
445	A	2238233.0	355314.7	MW	218.67	221.90	58	60	70	81	93	70
449	A	2234108.0	354521.7	MW	255.94	257.75		35	65		70	66
451	A	2233025.0	354160.4	MW	249.90	251.46		40	68		71	68
452	A	2232434.0	353594.7	MW	246.42	248.22		35	65		70	70
453	A	2232596.0	355491.0	MW	176.58	179.53	20	28	34	43	343	34
454	B	2232596.0	355491.0	MW	176.58	179.53	84	90	111	120	343	111
455	B	2232596.0	355491.0	MW	176.58	179.53	145	151	164	174	343	164

TABLE D-2: **Summary of Well Construction Details**
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	AQUIFER LAYER	WELL LOCATION: Easting (feet)	WELL LOCATION: Northing (feet)	WELL TYPE	GSE (ft, msl)	DEPTH TO: Top of Casing (ft, msl)	DEPTH TO: Top of Filter (feet)	DEPTH TO: Top of Screen (feet)	DEPTH TO: Bottom of Screen (feet)	DEPTH TO: Bottom of Filter (feet)	Borehole Depth (feet)	Well Depth (feet)
456	B	2232596.0	355491.0	MW	176.58	179.53	184	188	198	207	343	198
457	A	2238274.0	355711.6	MW	219.55	222.30	11	15	25	26	110	25
458	A	2238274.0	355711.6	MW	219.55	222.30	44	50	60	69	110	60
459	A	2238274.0	355711.6	MW	219.55	222.30	88	94	104	110	110	104
460	A	2237820.0	356270.0	MW	223.13	225.81	39	46	56	63	67	56
462	A	2234363.0	355679.8	MW	199.31	201.79	16	20	30	31	234	30
463	A	2234363.0	355679.8	MW	199.31	201.79	52	57	65	65	234	65
464	B	2234363.0	355679.8	MW	199.31	201.79	95	100	121	142	234	121
465	B	2234363.0	355679.8	MW	199.31	201.79	185	190	210	234	234	210
481	A	2240273.0	355463.3	MW	227.99	231.30	20	25	35	50	140	35
482	A	2240273.0	355463.3	MW	227.99	231.30	70	75	85	91	140	85
483	bedrock	2240273.0	355463.3	MW	227.99	231.30	115	120	130	140	140	130
1848	A	2238731.0	356705.7	MW	281.00	281.71		35	55		0	57
1849	A	2238723.0	356709.4	MW	280.00	281.51		60	80		0	80
3095	A	2236609.0	355730.5	MW	224.38	226.94		35	45		70	50
3185	dredged	2233868.0	352187.0	MW	272.40	274.71		36	68		77	70
3186	dredged	2236457.0	354267.3	MW	278.30	280.34		50	68		70	70
3187	dredged	2234774.0	352956.8	MW	256.38	260.73		27	63		70	65
3188	A	2237640.0	355483.7	MW	221.47	223.26		35	55		60	57
3216	dredged	2237419.0	354925.9	MW	286.80	289.95	56	63	84	91	233	84
3217	A	2237419.0	354925.9	MW	286.80	289.40	124	140	153	156	233	153
3218	A	2237419.0	354925.9	MW	286.80	289.40	161	180	188	196	233	188
3219	A	2238745.0	355289.2	MW	217.50	220.63	10	18	28	34	56	28
3220	A	2238745.0	355289.2	MW	217.50	220.63	42	47	53	56	56	53
3260	dredged	2239425.0	352716.0	MW	302.98	305.88	55	65	86	98	200	86
3261	A	2239425.0	352716.0	MW	302.98	305.88	170	180	190	200	200	190
3262	A	2239587.0	352925.8	MW	301.61	304.68	55	65	86	87	200	86
3263	bedrock	2239587.0	352925.8	MW	301.61	304.68	166	176	186	200	200	186
3284	dredged	2232851.0	353118.1	MW	254.33	255.57		17	52		60	60
3285	A	2238291.0	354415.5	MW	273.74	273.71	88	99	120	125	211	120
3286	A	2238291.0	354415.5	MW	273.74	273.71	144	154	169	171	211	169
3287	A	2238291.0	354415.5	MW	273.74	273.71	181	190	196	199	211	196
3366	A	2236075.5	355887.6	MW	204.35	206.82	15.5	21	31	34	161	31
3367	A	2236075.5	355887.6	MW	204.35	206.82	47	53	63	65	161	63

TABLE D-2: **Summary of Well Construction Details**
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	AQUIFER LAYER	WELL LOCATION: Easting (feet)	WELL LOCATION: Northing (feet)	WELL TYPE	GSE (ft, msl)	DEPTH TO: Top of Casing (ft, msl)	DEPTH TO: Top of Filter (feet)	DEPTH TO: Top of Screen (feet)	DEPTH TO: Bottom of Screen (feet)	DEPTH TO: Bottom of Filter (feet)	Borehole Depth (feet)	Well Depth (feet)
3368	A	2236076.0	355887.6	MW	204.35	206.82	76	80	88	88.5	161	88
3372	A	2241730.9	354391.7	MW	282.50	284.41	39.5	47	68	72	126	68
3373	bedrock	2241731.0	354391.7	MW	282.50	284.41	93.5	101	122	126	126	122
3374	A	2236098.0	355092.5	MW	218.00	220.00	18.5	24	34	37.5	125	34
3375	A	2236098.0	355092.5	MW	218.00	220.00	48	56	66	69	125	66
3376	A	2236098.0	355092.5	MW	218.00	220.00	81	88	98	102	125	98
3377	dredged	2233205.0	353555.9	MW	255.20	257.16	10	15	54	57	130	54
3378	A	2233205.0	353555.9	MW	255.20	257.16	70	75	85	88	130	85
3379	B	2233205.0	353555.9	MW	255.20	257.16	107	114	124	130	130	124
3383	A	2236927.4	356240.3	MW	222.60	224.46	15	22	37	42	85	37
3384	A	2236928.0	356240.3	MW	222.60	224.46	52	60	70	75	85	70
3385	dredged	2235795.0	353310.3	MW	272.00	273.71	38	47	66	66	160	66
3386	A	2235795.0	353310.3	MW	272.00	273.71	87	95	103	105	160	103
3387	A	2235795.0	353310.3	MW	272.00	273.71	134	142	152	160	160	152
3388	dredged	2234563.0	354694.3	MW	261.00	262.76	38	43	64	66	158	64
3389	A	2234563.0	354694.3	MW	261.00	262.76	87	94	104	107	158	104
3390	A	2234563.0	354694.3	MW	261.00	262.76	121	28	138	138.5	158	138
3394	dredged	2235240.0	355112.9	MW	282.00	283.62	52	59	80	82	173	80
3395	A	2235240.0	355112.9	MW	282.00	283.62	93	99	104	115	173	104
3396	B	2235240.0	355112.9	MW	282.00	283.62	146	154	169	173	173	169
3412	dredged	2233504.0	354406.8	MW	274.00	276.46	58	60	74	75.5	153	74
3413	dredged	2233504.0	354406.8	MW	274.00	276.46	85	88	93	96	153	93
3414	B	2233504.0	354406.8	MW	274.00	276.46	139.5	141	148	153	153	148
3418	dredged	2234565.0	354105.1	MW	276.00	278.59	60	64	80	82	144	80
3419	A	2234565.0	354105.1	MW	276.00	278.59	111.5	114	119	122	144	119
3420	A	2234565.0	354105.1	MW	276.00	278.59	133.5	136	141	144	144	141
3466	A	2241107.0	351979.0	MW	282.00	282.29	45	48	58	65	130	58
3467	bedrock	2241107.0	351979.0	MW	282.00	282.29	99	103	124	124	130	124
3473	A	2241928.0	350855.0	MW	294.00	294.11	47	49	64	64	64	64
3475	A	2241021.0	350447.3	MW	300.00	300.18	58.5	62	82	82	82	82
3486	A	2240356.0	354695.0	MW	277.00	278.84	100.5	104	125	127	175	125
3487	A	2240356.0	354695.0	MW	277.00	278.84	149.5	153	166	168.5	175	166
3494	A	2241694.0	350819.0	MW	293.00	292.73	36	39	45	48.5	113	45
3495	A	2241694.0	350819.0	MW	293.00	292.73	65	68	85	89	113	85

TABLE D-2: **Summary of Well Construction Details**
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	AQUIFER LAYER	WELL LOCATION: Easting (feet)	WELL LOCATION: Northing (feet)	WELL TYPE	GSE (ft, msl)	DEPTH TO: Top of Casing (ft, msl)	DEPTH TO: Top of Filter (feet)	DEPTH TO: Top of Screen (feet)	DEPTH TO: Bottom of Screen (feet)	DEPTH TO: Bottom of Filter (feet)	Borehole Depth (feet)	Well Depth (feet)
3496	bedrock	2241694.0	350819.0	MW	293.00	292.73	102.5	105	110	113	113	110
3497	dredged	2236898.0	355499.9	MW	271.00	273.47	60	64	80	82	186	80
3498	A	2236898.0	355499.9	MW	271.00	273.47	128	132	141	147	186	141
3499	A	2236898.0	355499.9	MW	271.00	273.47	169	172	180	183	186	180
3503	A	2235494.0	356045.9	MW	201.00	202.66	14.5	18	25	30	160	25
3504	A	2235494.0	356045.9	MW	201.00	202.66	41	45	55	68	160	55
3505	B	2235494.0	356045.9	MW	201.00	202.66	111.5	116	136	142	160	136
3520	A	2240462.0	352981.7	MW	292.40	295.45	78	82	92	96	112	92
3521	A	2240454.0	352985.8	MW	292.00	295.08	49	53	64	66	66	64
3522	A	2241082.0	351817.1	MW	286.00	286.04	21	26	36	40	58	36
3530	A	2241145.0	351728.0	MW	286.00	285.79	26	29	39	42	65	39
3531	A	2241047.0	352412.4	MW	290.00	292.23	38.5	42	49	51	65	49
3625	A	2239663.4	355933.2	MW	268.80	270.50	24	28	38	40	85	38
3626	A	2239663.4	355933.2	MW	268.80	270.50	61	64	74	85	85	74
4012	A	2240383.0	353690.5	EW	290.02	291.10	54	60	80	90	138	86
4013	A	2240380.0	353695.5	EW	290.02	291.07	96	100	127	138	138	134
4100	A	2240266.0	355388.2	EW	228.99	0.00	43	54	74	90	90	84
4105	A	2240033.0	355393.7	EW	226.14	226.14	29	39	59	76	76	69
4110	A	2239797.0	355324.4	EW	222.96	0.00	30	40	60	85	85	70
4120	A	2239303.0	355310.5	EW	222.99	0.00	39	50	70	84	84	80
4125	A	2238989.0	355378.3	EW	218.26	218.26	28	39	59	70	70	67
4130	A	2238785.0	355240.6	EW	219.52	0.00	30	40	60	80	80	70
4430	A	2240453.0	352974.8	EW	292.00	294.70	40	58	96	106	0	111
4500	A	2239529.7	355325.6	EW	222.51	0.00	34	38	64	70	80	74

Notes:
1. Some well construction depths were not available; in these cases, the well information is left blank.

Abbreviations:
GSE = Ground surface elevation
EW = Extraction well
MW = Monitor well
msl = mean sea level

TABLE D-3: Summary of Aquifer Test Results
Zone 4 Perimeter Groundwater Operable Unit

Pumping Well	Date of Test	Transmissivity (gpd/ft)	Storativity	Hydraulic Conductivity (ft/day)	Hydrostratigraphic Layer
Sector A, GET A Extraction Wells					
4100[(1)]	6/14/1991	125 to 557	3.4×10^{-4} to 2.2×10^{-3}	199 to 890	A
4110[(1)]	6/10/1991	130 to 421	1.4×10^{-4} to 9×10^{-4}	208 to 673	A
4012[(2)]	9/29/1993	711 to 6,056	0.002 - 0.1	1.0 to 9.0	A
4013[(2)]	9/17/1993	94 to 277	0.04	0.13 to 0.41	A

Source:
(1) *Aerojet Site - Part 2 GET Effectiveness Report, GET A Evaluation* (Aerojet, April 1993).
(2) *Aerojet Site - Zone 4 GET Effectiveness Report* (Aerojet, 1995).

TABLE D-4: Surface Seep Sample Results
Zone 4 Perimeter Groundwater Operable Unit

SAMPLE POINT	SAMPLE DATE	VOCs (µg/l)	NDMA (µg/l)	Perchlorate (µg/l)
6154	02/20/03	<0.50	0.00051 J	<4.0
6155	02/20/03	<0.50	<0.0005	<4.0
Seep No. 3	02/20/03	<0.50	<0.0005	<4.0

Abbreviations:
VOCs = Volatile Organic Compounds
NDMA = N-nitrosodimethylamine
µg/l = micrograms per liter
< = less than
J = Estimated concentration

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Dredged Layer Wells																					
77	02/10/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	6	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	6	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA
	05/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	5.7 J	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/17/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	7.4	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	6	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	5.8	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2.8	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2.8 J	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/08/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	3.7	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	4.3	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/17/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2.5	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/08/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2.9	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2.3	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	2.9	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	3	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	3.6	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/26/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	1.7 J *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
90	02/11/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/10/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/08/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dredged Layer Wells																					
90	08/06/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/14/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	08/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
3185	02/14/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/17/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	08/17/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	1.3 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.0 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.81 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/26/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	0.67 J *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Dredged Layer Wells																					
3186	02/11/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<0.50
	05/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/08/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
3187	02/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/09/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA
	02/09/00	<0.50	<0.50	<0.50	<0.50	**0.53 J**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dredged Layer Wells																					
3187	05/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/18/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	05/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/14/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
3216	01/14/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/30/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/30/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/19/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/09/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/13/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Dredged Layer Wells																					
3284	02/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/16/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/06/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/11/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/10/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
3385	01/17/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/23/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3413	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3418	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3497	01/26/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	5.7	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	<0.50
	11/30/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.8	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	4	<0.50
	12/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	6.5	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	4.1	<0.50
	12/13/02	<0.50	<0.50	0.95	<0.50	<0.50	NA	**10**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**5**	<0.50
	11/24/03	<0.50	<0.50	1.2	<0.50	<0.50	NA	**11**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**5.5**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
78	02/08/00	<0.50	<0.50	<0.50	1.5	<0.50	NA	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	NA	5.9	<0.50	25	<0.50	<0.50	1.5	<0.50
	05/09/00	<0.50	<0.50	0.74	0.94	<0.50	NA	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.5	<0.50	33	<0.50	<0.50	1.8	<0.50
	08/16/00	<0.50	<0.50	0.68	1.5	**0.52**	NA	1.9	<0.50	<0.50	<0.50	<0.5	<0.5	NA	5.9	<0.50	36	<0.50	<0.50	2	<0.50
	11/07/00	<0.50	<0.50	0.57	1	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.8	<0.50	31	<0.50	<0.50	1.4	<0.50
	02/06/01	<0.50	<0.50	0.62	0.84	<0.50	NA	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.88	<0.50	20	<0.50	<0.50	0.92	<0.50
	05/10/01	<0.50	<0.50	<0.50	1.8	**0.75**	NA	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	NA	2.6	<0.50	30	<0.50	<0.50	1.1	<0.50
	08/09/01	<0.50	<0.50	<0.50	0.61	<0.50	NA	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.7	<0.50	21	<0.50	<0.50	1.1	<0.50
	11/05/01	<0.50	<0.50	0.7	0.79	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.3	<0.50	26	<0.50	<0.50	1.6	<0.50
	02/12/02	<0.50	<0.50	0.67	0.74	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.8	<0.50	29	<0.50	<0.50	1	<0.50
	05/14/02	<0.50	<0.50	0.55	1.7	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.9	<0.50	26	<0.50	<0.50	1.3	<0.50
	08/05/02	<0.50	<0.50	0.7	0.82	<0.50	NA	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.4	<0.50	29	<0.50	<0.50	1.2	<0.50
	11/14/02	<0.50	<0.50	<0.50	0.88	**0.5**	NA	1	<0.50	<0.50	<0.50	<0.50	<0.50	NA	12	<0.50	6.9	<0.50	<0.50	0.85	<0.50
	02/13/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	4.4	<0.50	<0.50	<0.50	<0.50
	02/13/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.1	<0.50	3.9	<0.50	<0.50	0.51	<0.50
	05/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.8	<0.50	6.3	<0.50	<0.50	<0.50	<0.50
	08/06/03	<0.50	<0.50	0.61	1.1	<0.50	NA	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	NA	9	<0.50	17	<0.50	<0.50	1.3	<0.50
	11/14/03	<0.50	<0.50	0.59	0.6	<0.50	NA	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	18	<0.50	<0.50	1	<0.50
	02/05/04	<0.50	<0.50	0.53	1.3	<0.50	NA	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	22	<0.50	<0.50	1	<0.50
	05/24/04	<0.50 *	<0.50 *	0.59 J *	0.75 J *	<0.50 *	1.2 J *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	1.2 J *	<0.50 *	21 J *	<0.50 *	<0.50 *	1.1 J *	<0.50 *
97	07/17/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
99	01/20/00	<0.50	<0.50	<0.50	<0.50	**0.51**	NA	2.4	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.4	<0.50	<0.50	**24**	<0.50
	06/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.81	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	0.6	<0.50	<0.50	**12**	<0.50
	11/22/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.6	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.2	<0.50	<0.50	**15**	<0.50
	05/23/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**21**	<0.50
	01/02/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.5	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.5	<0.50	<0.50	**24**	<0.50
	01/02/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.1 J	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.3 J	<0.50	<0.50	**22 J**	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.4	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.9	<0.50	<0.50	**25**	<0.50
	01/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.5	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	2.2	<0.50	<0.50	**31**	<0.50
	05/20/03	<0.50	<0.50	<0.50	<0.50	**0.59**	NA	3.4	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.8	<0.50	<0.50	**23**	<0.50
	02/17/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	2.1	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.9	<0.50	<0.50	**25**	<0.50
	06/07/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	3.2	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.5	<0.50	<0.50	**20**	<0.50
143	12/18/02	<5.0	<5.0	<5.0	**140**	**11**	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	390	<5.0	<5.0	**130**	<5.0
	12/18/02	<0.50	<0.50	2.8	**130**	**10**	NA	4.6	<0.50	<0.50	1.9	NA	NA	NA	<0.50	<0.50	370	<0.50	<0.50	**120**	<0.50
Layer A Wells																					
144	12/18/02	<10	<10	**12**	**740**	**27**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	320	<10	<10	**280**	<10
	12/18/02	<0.50	3.1	**14**	NA	**32**	NA	**10**	<0.50	<0.50	8.9	NA	NA	NA	<0.50	<0.50	290	<0.50	<0.50	**250**	<0.50
148	11/08/02	<10	<10	<10	<10	**12**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**3200**	<10	<10	**56**	<10
	11/08/02	<0.50	<0.50	**8**	<0.50	**8.3**	NA	9.8	<0.50	<0.50	1.2	NA	NA	NA	<0.50	<0.50	**2300**	<0.50	<0.50	**64**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
149	11/08/02	<0.50	<0.50	<0.50	<0.50	**1.4**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	2	<0.50	<0.50	<0.50	<0.50
150	11/08/02	<2.5	<2.5	3.7	**9.3**	**12**	NA	3.6	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	940	<2.5	<2.5	**31**	<2.5
	11/08/02	<0.50	<0.50	4.5	**11**	**11**	NA	4.5	<0.50	<0.50	1	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**33**	<0.50
151	11/08/02	<2.5	<2.5	**16**	**220**	**16**	NA	**55**	<2.5	<2.5	3.3	NA	NA	NA	<2.5	<2.5	260	<2.5	<2.5	**170**	<2.5
	11/08/02	<0.50	<0.50	**18**	**220**	**16**	NA	**58**	<0.50	<0.50	3.7	NA	NA	NA	<0.50	<0.50	250	<0.50	<0.50	**160**	<0.50
331	11/08/02	<0.50	<0.50	<0.50	<0.50	**0.64**	NA	<0.50	<0.50	<0.50	1.2	NA	NA	NA	<0.50	<0.50	76	<0.50	<0.50	**8**	<0.50
444	01/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/28/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/16/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/27/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<0.50
445	01/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/28/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	<0.50
	05/24/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<0.50
	12/03/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<0.50
	05/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	<0.50
	02/16/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/27/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer A Wells																					
449	02/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/16/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.63	<0.5
	11/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/14/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/14/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/11/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/13/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
451	02/07/00	<0.50	<0.50	0.57	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	2	<0.50
	05/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/01/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.76	<0.5
	11/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	**110**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	<0.50
	11/05/01	<0.50	<0.50	0.6	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/14/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/14/02	<0.50	<0.50	0.57 J	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/15/02	<0.50	<0.50	0.53	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
451	03/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/06/03	<0.50	<0.50	0.69	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/11/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/03	<0.50	<0.50	0.63	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/04	<0.50	<0.50	<0.50	0.96	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
452	02/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/17/00	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/09/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/14/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/07/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/11/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/13/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
	05/24/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
453	02/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/08/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/06/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/14/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/14/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/13/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/06/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/26/04	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50	<0.50	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
457	01/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/12/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/19/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/29/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
458	01/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/12/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/19/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/29/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
459	01/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/12/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<0.50
	12/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/25/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/19/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/29/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
460	12/17/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
481	01/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/27/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/29/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/20/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
482	01/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/09/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/27/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/29/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/20/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/16/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1848	01/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1849	01/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3095	02/11/00	<0.50	<0.50	2	<0.50	**0.76**	NA	**41**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**100**	**7.7**
	05/09/00	<0.50	<0.50	2.4	0.67	**1.5**	NA	**52**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**130**	**0.95**
	05/09/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA
	05/09/00	<0.50	<0.50	2.2 J	0.52 J	**1.4 J**	NA	**50 J**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**130 J**	**0.64 J**
	08/15/00	<0.50	<0.50	3	0.83	**1.1**	NA	**54**	<0.50	<0.50	<0.50	<0.5	<0.5	NA	<0.50	0.65	<0.50	<0.50	<0.50	**130**	**2.6**
	11/07/00	<0.50	<0.50	2.3	<0.50	**1.4**	NA	**45**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	0.52	**110**	**7.2**
	02/07/01	<0.50	<0.50	2.5	<0.50	**0.84**	NA	**43**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**95**	**13**
	05/15/01	<0.50	<0.50	2.5	<0.50	**1.2**	NA	**43**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**110**	**15**
	08/08/01	<0.50	<0.50	2.8	0.5	**1.2**	NA	**50**	<0.50	<0.50	<0.50	<0.50	0.57	NA	<0.50	0.5	<0.50	<0.50	<0.50	**120**	**10**
	11/06/01	<0.50	<0.50	3.1	0.62	**0.89**	NA	**45**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	0.6	<0.50	<0.50	<0.50	**110**	**22**
	02/12/02	<0.50	<0.50	2.7	0.54	**1.4**	NA	**44**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**99**	**18**
	05/15/02	<0.50	<0.50	2.9	0.86	**0.9**	NA	**43**	0.83	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**94**	**15**
	08/08/02	<0.50	<0.50	3.1	0.71	<0.50	NA	**33**	<0.50	<0.50	<0.50	<0.50	0.57	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**69**	**31**
	08/08/02	<0.50	<0.50	**3.1 J**	0.76 J	<0.50	NA	**33 J**	<0.50	<0.50	<0.50	<0.50	0.56 J	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**69 J**	**30 J**
	11/06/02	<0.50	<0.50	3	0.75	**0.86**	NA	**46**	<0.50	<0.50	<0.50	<0.50	0.82	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**98**	**26**
	02/13/03	<0.50	<0.50	2.9	0.67	**0.99**	NA	**39**	<0.50	**0.99**	<0.50	<0.50	0.79	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**90**	**15**
	05/08/03	<0.50	<0.50	2.9	0.95	**0.91**	NA	**46**	<0.50	<0.50	<0.50	<0.50	0.74	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**110**	**14**
	08/07/03	<0.50	<0.50	2.9	<0.50	<0.50	NA	**41**	<0.50	<0.50	<0.50	<0.50	0.84	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**83**	**13**
	11/14/03	<0.50	<0.50	3.1	0.64	**1.2**	NA	**48**	<0.50	<0.50	<0.50	<0.50	0.9	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**100**	**13**
	11/14/03	<0.50	<0.50	3.1	0.59	**1.2**	NA	**48**	<0.50	<0.50	<0.50	<0.50	0.9	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**100**	**13**
Layer A Wells																					
3095	02/09/04	<0.50	<0.50	3.1	0.8	**1.3**	NA	**44**	<0.50	<0.50	<0.50	0.78	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**85**	**16**
	05/25/04	<2.5 *	<2.5 *	<2.5 *	<2.5 *	<2.5 *	**22 ***	NA	<2.5 *	<2.5 *	<2.5 *	<2.5	<2.5	<2.5 *	<2.5 *	<2.5 *	<2.5 *	<2.5 *	<2.5 *	**30 J ***	**6.8 ***
	05/25/04	<2.5	<2.5	<2.5	<2.5	<2.5	**32 J**	NA	<2.5	<2.5	<2.5	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**67 J**	**12 J**
	05/25/04	<2.5	<2.5	<2.5	<2.5	<2.5	**32**	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**67**	**12**

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
3188	11/17/00	<1.0	<1.0	1.2	<1.0	<1.0	NA	**78**	1.7	<1.0	2	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**300**	<1.0
	11/17/00	<0.50	<0.50	1.7	0.59	**0.61**	NA	**83**	<0.50	<0.50	2.1	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**300**	<0.50
	12/17/01	<2.5	<2.5	<2.5	<2.5	<2.5	NA	**110**	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	**490**	<2.5
	12/17/01	<0.50	<0.50	1.6	1.8	**1.1**	NA	**110**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	1.1	<0.50	<0.50	<0.50	NA	<0.50
	01/08/03	<2.5	<2.5	<2.5	<2.5	<2.5	NA	**140**	<2.5	<2.5	3.1	NA	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	**470**	<2.5
	01/08/03	<0.50	<0.50	2.1	1.8	**0.83**	NA	**120**	<0.50	<0.50	2.6	NA	NA	NA	<0.50	0.56	<0.50	0.97	<0.50	**340**	**0.53**
	01/08/03	<2.5	<2.5	<2.5	<2.5	<2.5	NA	**120 J**	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	**480 J**	<2.5
	01/08/03	<0.50	<0.50	2.0 J	2.0 J	<0.50	NA	**130 J**	<0.50	<0.50	2.3 J	NA	NA	NA	<0.50	<0.50	<0.50	0.79 J	<0.50	NA	**1.1 J**
	11/11/03	<2.5	<2.5	<2.5	<2.5	<2.5	NA	**130**	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	**480**	<2.5
	11/11/03	<0.50	<0.50	2	1.8	**0.52**	NA	**110**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	0.7	<0.50	**400**	**0.82**
	02/10/04	<2.5	<2.5	<2.5	<2.5	<2.5	NA	**130**	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	3.6	<2.5	<2.5	**510**	**2.5**
	02/10/04	<0.50	<0.50	1.9	1.6	**1.5**	NA	**130**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	0.8	<0.50	**410**	**0.88**
	05/13/04	<0.50	<0.50	1.7	1.9	**0.67**	**120**	NA	<0.50	<0.50	0.68	<0.50	<0.50	1.1	<0.50	0.88	<1.0	<5.0	<0.50	**280**	**0.62**
3217	01/14/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.65	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<0.50
	03/30/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.64	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50
	06/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.59	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50
	08/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.61	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50
	11/17/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50
	02/12/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	<0.50
	05/21/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	<0.50
	08/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.84	<0.50
	12/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50
	02/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50
	05/21/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	<0.50
	09/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	<0.50
	12/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50
	02/19/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50
	05/09/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	<0.50
	05/09/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.93	<0.50
Layer A Wells																					
3217	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50
	05/13/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	0.75	<0.50
3218	01/14/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/30/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/17/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/12/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	02/12/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/15/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/19/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/09/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3219	01/17/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/18/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/23/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer A Wells																					
3220	01/17/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<0.50
	11/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/18/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/14/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/02	<0.50	<0.50	<0.50	0.5	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/12/02	<0.50	<0.50	<0.50	<0.50	**0.5**	NA	<0.50	<0.50	<0.50	0.56	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/21/03	<0.50	<0.50	<0.50	0.53	**0.67**	NA	<0.50	<0.50	<0.50	0.61	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/23/04	<0.50	<0.50	<0.50	0.55	**0.8**	NA	<0.50	<0.50	<0.50	0.5	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3285	01/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	0.52 J	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/23/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3286	01/18/00	<0.50	<0.50	<0.50	<0.50	**0.51**	NA	<0.50	<0.50	<0.50	0.73	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/00	<0.50	<0.50	<0.50	0.89	**0.83**	NA	<0.50	<0.50	<0.50	1	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<0.50
	11/06/00	<0.50	<0.50	<0.50	0.59	<0.50	NA	<0.50	<0.50	<0.50	0.78	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/01	<0.50	<0.50	<0.50	0.68	**0.52**	NA	<0.50	<0.50	<0.50	0.94	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/01	<0.50	<0.50	<0.50	0.72	**0.6**	NA	<0.50	<0.50	<0.50	0.95	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/23/02	<0.50	<0.50	<0.50	0.95	**0.74**	NA	<0.50	<0.50	<0.50	0.88	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/11/02	<0.50	<0.50	0.54	1	**0.66**	NA	<0.50	<0.50	<0.50	1	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/03	<0.50	<0.50	0.66	1.2	**1.1**	NA	<0.50	<0.50	<0.50	1.2	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
3287	01/18/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/06/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/23/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/22/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3374	11/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50
3375	11/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3383	12/13/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3384	12/13/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3386	01/17/00	<0.50	<0.50	<0.50	<0.50	**0.54**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50
	06/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	<0.50
3387	01/17/00	<0.50	<0.50	<0.50	0.66	**0.79**	NA	<0.50	<0.50	<0.50	0.92	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/06/00	<0.50	<0.50	<0.50	0.85	**0.72**	NA	<0.50	<0.50	<0.50	1.2	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/23/04	<0.50	<0.50	0.51	0.79	**1**	NA	<0.50	<0.50	<0.50	1.1	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3389	01/25/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50
	06/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50
	01/03/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50
	05/24/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50
	12/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50
	12/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.6 J	<0.50
	05/30/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50
	02/20/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	<0.50
	05/27/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	1.5	<0.50
3390	01/25/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1	<0.50
	01/25/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1 J	<0.50
	06/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<0.50
	06/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.65 J	<0.50
	01/03/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	<0.50
	05/24/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50
	12/18/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50
Layer A Wells																					
3390	05/30/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.83	<0.50
	05/30/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.84	<0.50
	02/20/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50
	05/27/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	0.72	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	05/27/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	0.82	<0.50
3395	11/05/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3419	01/25/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	0.51	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	**5**	<0.50
	06/13/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	4	<0.50
	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	0.89	**5.8**	<0.50
	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	0.79 J	**5.8 J**	<0.50
	05/24/02	<0.50	<0.50	0.64	<0.50	<0.50	NA	0.58	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	1.3	**6.7**	<0.50
	12/16/02	<0.50	<0.50	0.7	<0.50	**0.51**	NA	0.77	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	1.1	**7.2**	<0.50
	05/29/03	<0.50	<0.50	0.8	<0.50	<0.50	NA	0.78	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	1.3	**7.4**	<0.50
3420	01/25/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50
	06/13/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	0.55	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<0.50
	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	0.51	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50
	05/24/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	0.52	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50
	12/16/02	<0.50	<0.50	<0.50	0.56	<0.50	NA	<0.50	<0.50	<0.50	0.79	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50
	05/29/03	<0.50	<0.50	<0.50	0.57	<0.50	NA	<0.50	<0.50	<0.50	0.77	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50
3466	11/20/00	<0.50	<0.50	<0.50	**6.8**	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.9	<0.50	<0.50	0.7	<0.50
	12/05/01	<2.5	<2.5	<2.5	**320**	**50**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	670	<2.5	<2.5	**36**	<2.5
	12/05/01	1.1	<0.50	1.6	**200**	**28**	NA	<0.50	<0.50	<0.50	1.2	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**21**	<0.50
	12/17/02	<0.50	<0.50	<0.50	**9**	**1.2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.6	<0.50	<0.50	2.3	<0.50
3486	01/07/03	<2.5	<2.5	**19**	**33**	**11**	NA	4.4	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	340	<2.5	<2.5	**42**	<2.5
	01/07/03	<0.50	<0.50	**18**	**32**	**11**	NA	4.2	<0.50	<0.50	0.74	NA	NA	NA	<0.50	<0.50	300	<0.50	<0.50	**40**	<0.50
3487	12/03/01	<0.50	<0.50	2.3	1.2	**1.5**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.8	<0.50	<0.50	<0.50	<0.50
	12/03/01	<0.50	<0.50	2.2 J	1.1 J	**1.5 J**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.8 J	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer A Wells																					
3498	01/27/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/27/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/01/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	0.79 J	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/13/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/24/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/24/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3499	12/01/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/05/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/13/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/21/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3503	11/22/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	7.5	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	**2.5**
	02/20/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	**11**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	**2.8**
	02/20/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	**13**	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	**1.5**
3504	01/24/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3520	12/17/02	<10	<10	**37**	**2500**	**150**	NA	**22**	<10	<10	34	NA	NA	NA	<10	<10	720	<10	<10	**850**	<10
	12/17/02	1.5	2.2	**40**	**1400**	**100**	NA	**30**	<0.50	**1.6**	32	NA	NA	NA	<0.50	<0.50	530	<0.50	<0.50	**490**	<0.50
3521	12/17/02	<2.5	<2.5	**5.9**	**450**	**20**	NA	<2.5	<2.5	<2.5	4.4	NA	NA	NA	<2.5	<2.5	820	<2.5	<2.5	**140**	<2.5
	12/17/02	<0.50	<0.50	**7.6**	**390**	**19**	NA	2.7	<0.50	**0.54**	5.4	NA	NA	NA	<0.50	<0.50	700	<0.50	<0.50	**130**	<0.50
	12/17/02	<2.5	<2.5	**6.0 J**	**460 J**	**20 J**	NA	<2.5	<2.5	<2.5	4.6 J	NA	NA	NA	<2.5	<2.5	820 J	<2.5	<2.5	**140 J**	<2.5
	12/17/02	<0.50	<0.50	**7.6 J**	**380 J**	**18 J**	NA	2.7 J	<0.50	**0.56 J**	5.2 J	NA	NA	NA	<0.50	<0.50	690 J	<0.50	<0.50	**120 J**	<0.50
3530	11/27/01	<25	<25	**37**	**390**	**91**	NA	<25	<25	<25	<25	NA	NA	NA	<25	<25	**9900**	<25	<25	**100**	<25
	11/27/01	<2.5	<2.5	**50**	**430**	**59**	NA	8.2	<2.5	<2.5	3.1	NA	NA	NA	<2.5	<2.5	NA	<2.5	<2.5	**130**	<2.5
3531	11/27/01	<25	<25	<25	**460**	**38**	NA	<25	<25	<25	<25	NA	NA	NA	<25	<25	**6300**	<25	<25	**71**	<25
	11/27/01	<2.5	<2.5	**7.3**	**550**	**30**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	NA	<2.5	<2.5	**97**	<2.5
3626	10/09/02	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	<0.50 *	<0.50 *	<0.50 *	<0.50 *	NA	NA	NA	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *	<0.50 *
	11/05/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/04/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/26/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer A Wells																					
4012	01/28/00	<5.0	<5.0	**6.5**	**370**	**32**	NA	**11**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1100	<5.0	<5.0	**300**	<5.0
	01/28/00	<0.50	<0.50	**11**	**380**	**32**	NA	**15**	<0.50	<0.50	6.2	NA	NA	NA	<0.50	<0.50	930	<0.50	<0.50	**250**	<0.50
	04/15/00	<5.0	<5.0	**10**	**330**	<5.0	NA	**11**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1500**	<5.0	<5.0	**290**	<5.0
	04/15/00	<0.50	<0.50	**10**	**270**	<0.50	NA	**12**	<0.50	<0.50	4.3	NA	NA	NA	<0.50	<0.50	630	<0.50	<0.50	**230**	<0.50
	07/22/00	<5.0	<5.0	**11**	**440**	**35**	NA	**19**	<5.0	<5.0	7.2	NA	NA	NA	<5.0	<5.0	**1500**	<5.0	<5.0	**400**	<5.0
	07/22/00	<0.5	<0.5	**9.6**	**290**	**26**	NA	**15**	<0.5	<0.5	6	NA	NA	NA	<0.5	<0.5	910	<0.5	<0.5	**240**	<0.5
	10/07/00	<5.0	<5.0	**11**	**320**	**24**	NA	**11**	<5.0	<5.0	5.1	NA	NA	NA	<5.0	<5.0	**1200**	<5.0	<5.0	**270**	<5.0
	10/07/00	<0.50	<0.50	**11**	**270**	**14**	NA	**12**	<0.50	<0.50	5.8	NA	NA	NA	<0.50	<0.50	520	<0.50	<0.50	**240**	<0.50
	01/06/01	<2.5	<2.5	**7.5**	**340**	**24**	NA	**12**	<2.5	<2.5	5.3	NA	NA	NA	<2.5	<2.5	1100	<2.5	<2.5	**260**	<2.5
	01/06/01	<0.50	<0.50	**9.2**	**300**	**23**	NA	**14**	<0.50	<0.50	6	NA	NA	NA	<0.50	<0.50	940	<0.50	<0.50	**230**	<0.50
	04/19/01	<5.0	<5.0	**6.4**	**370**	**21**	NA	9.9	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1000	<5.0	<5.0	**260**	<5.0
	04/19/01	<0.50	<0.50	**6.7**	**220**	**17**	NA	9.3	<0.50	<0.50	4.5	NA	NA	NA	<0.50	<0.50	670	<0.50	<0.50	**180**	<0.50
	07/07/01	<5.0	<5.0	**5.1**	**290**	**17**	NA	7.5	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1000	<5.0	<5.0	**240**	<5.0
	07/07/01	<0.50	<0.50	**9**	NA	**21**	NA	**11**	<0.50	<0.50	4.6	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50
	10/17/01	<5.0	<5.0	<5.0	**300**	**16**	NA	7.7	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	830	<5.0	<5.0	**260**	<5.0
	10/17/01	<0.50	<0.50	**9.9**	**250**	**21**	NA	**12**	<0.50	<0.50	5.4	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**280**	**3.1**
	01/28/02	<5.0	<5.0	<5.0	NA	**14**	NA	7	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0
	01/28/02	<0.50	<0.50	**7.3**	**350**	**14**	NA	**10**	<0.50	<0.50	4.7	NA	NA	NA	<0.50	<0.50	1100	<0.50	<0.50	**230**	<0.50
	01/28/02	<5.0	<5.0	<5.0	**330 J**	**13 J**	NA	6.6 J	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1000 J	<5.0	<5.0	**220 J**	<5.0
	01/28/02	<0.50	<0.50	**7.0 J**	NA	**14 J**	NA	9.9 J	<0.50	<0.50	4.5 J	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50
	04/29/02	<5.0	<5.0	**6.8**	**380**	**16**	NA	8.2	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1000	<5.0	<5.0	**250**	<5.0
	04/29/02	<0.50	<0.50	**8.8**	**290**	**15**	NA	**11**	<0.50	<0.50	5.4	NA	NA	NA	<0.50	<0.50	750	<0.50	<0.50	**190**	<0.50
	09/16/02	<12	<12	<12	**270**	**15**	<12	NA	<12	<12	<12	<12	<12	<12	<12	<12	840	<12	<12	**210**	<12
	02/03/03	<5.0	<5.0	**9.7**	**370**	<5.0	NA	9.6	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1000	<5.0	<5.0	**240**	<5.0
	02/03/03	<0.50	<0.50	**12**	**360**	<0.50	NA	**13**	<0.50	<0.50	5.9	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**220**	<0.50
	04/04/03	<5.0	<5.0	**7.7**	**390**	**17**	NA	9.8	<5.0	<5.0	5.3	NA	NA	NA	<5.0	<5.0	950	<5.0	<5.0	**240**	<5.0
	04/04/03	<0.50	0.51	**8.5**	**300**	**14**	NA	**11**	<0.50	<0.50	5.7	NA	NA	NA	<0.50	<0.50	720	<0.50	<0.50	**180**	<0.50
	08/04/03	<5.0	<5.0	**5.8**	**300**	<5.0	NA	7.8	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	690	<5.0	<5.0	**190**	<5.0
	08/04/03	<0.50	0.55	**7.2**	**240**	**7.6**	NA	8.8	<0.50	<0.50	4.8	NA	NA	NA	<0.50	<0.50	570	<0.50	<0.50	**160**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
4012	10/21/03	<2.5	<2.5	**5.8**	**320**	<2.5	NA	6.7	<2.5	<2.5	4.3	NA	NA	NA	<2.5	<2.5	710	<2.5	<2.5	**200**	<2.5
	10/21/03	<0.50	<0.50	**7.4**	**300**	**8.2**	NA	8	<0.50	<0.50	4.8	NA	NA	NA	<0.50	<0.50	540	<0.50	<0.50	**160**	<0.50
	10/21/03	<2.5	<2.5	**6.1**	**320**	<2.5	NA	6.8	<2.5	<2.5	4.3	NA	NA	NA	<2.5	<2.5	700	<2.5	<2.5	**200**	<2.5
	10/21/03	<0.50	<0.50	**7.9**	**290**	**8.1**	NA	8.1	<0.50	<0.50	4.8	NA	NA	NA	<0.50	<0.50	540	<0.50	<0.50	**160**	<0.50
	01/30/04	<2.5	<2.5	**10**	**350**	<2.5	NA	8.7	<2.5	<2.5	5	NA	NA	NA	<2.5	<2.5	890	<2.5	<2.5	**220**	<2.5
	01/30/04	<0.50	<0.50	**11**	**340**	<0.50	NA	9.8	<0.50	<0.50	5.8	NA	NA	NA	<0.50	<0.50	630	<0.50	<0.50	**220**	<0.50
	04/22/04	<1.0	<1.0	**7**	**240**	**8.4**	**7.8**	NA	<1.0	<1.0	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	520	<1.0	<1.0	**150**	<1.0
4013	01/28/00	<5.0	<5.0	**10**	**210**	**20**	NA	**10**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1500**	<5.0	<5.0	**140**	<5.0
	01/28/00	<0.50	<0.50	**17**	**270**	**20**	NA	**14**	<0.50	<0.50	4.4	NA	NA	NA	<0.50	<0.50	1100	<0.50	<0.50	**120**	<0.50
	01/28/00	<5.0	<5.0	**11 J**	**210 J**	**18 J**	NA	8.7 J	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1500 J**	<5.0	<5.0	**130 J**	<5.0
	01/28/00	<0.50	<0.50	**16 J**	**310 J**	**19 J**	NA	**14 J**	<0.50	<0.50	4.2 J	NA	NA	NA	<0.50	<0.50	1100 J	<0.50	<0.50	**120 J**	<0.50
	04/15/00	<5.0	<5.0	**16**	**200**	<5.0	NA	**11**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**2100**	<5.0	<5.0	**140**	<5.0
	04/15/00	<0.50	<0.50	**16**	**140**	<0.50	NA	**12**	<0.50	<0.50	3	NA	NA	NA	<0.50	<0.50	690	<0.50	<0.50	**120**	<0.50
	07/22/00	<5.0	<5.0	**14**	**190**	**22**	NA	**14**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1500**	<5.0	<5.0	**150**	<5.0
	07/22/00	<0.5	<0.5	**15**	**160**	**18**	NA	**15**	<0.5	<0.5	4.6	NA	NA	NA	<0.5	<0.5	**1200**	<0.5	<0.5	**120**	<0.5
	10/07/00	<2.5	<2.5	**12**	**180**	**17**	NA	**12**	<2.5	<2.5	3.2	NA	NA	NA	<2.5	<2.5	**1200**	<2.5	<2.5	**130**	<2.5
	10/07/00	<0.50	<0.50	**14**	**170**	**16**	NA	**14**	<0.50	<0.50	4.1	NA	NA	NA	<0.50	<0.50	1100	<0.50	<0.50	**120**	<0.50
	01/06/01	<5.0	<5.0	**16**	**130**	<5.0	NA	**18**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1600**	<5.0	<5.0	**120**	<5.0
	01/06/01	<0.50	<0.50	**17**	**160**	<0.50	NA	**14**	<0.50	<0.50	4.6	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**120**	<0.50
	04/19/01	<5.0	<5.0	**10**	**180**	**14**	NA	**11**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1400**	<5.0	<5.0	**120**	<5.0
	04/19/01	<0.50	<0.50	**14**	**160**	**15**	NA	**14**	<0.50	<0.50	4.2	NA	NA	NA	<0.50	<0.50	1100	<0.50	<0.50	**120**	<0.50
	04/19/01	<5.0	<5.0	**11 J**	**180 J**	**15 J**	NA	**11 J**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1400 J**	<5.0	<5.0	**120 J**	<5.0
	04/19/01	<0.50	<0.50	**14 J**	**160 J**	**15 J**	NA	**14 J**	<0.50	<0.50	4.1 J	NA	NA	NA	<0.50	<0.50	1100 J	<0.50	<0.50	**120 J**	<0.50
	07/07/01	<5.0	<5.0	**8.8**	**130**	**12**	NA	8.7	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1800**	<5.0	<5.0	**110**	<5.0
	07/07/01	<0.50	<0.50	**14**	NA	**15**	NA	**12**	<0.50	<0.50	3.4	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**160**	<0.50
	10/17/01	<5.0	<5.0	**9.6**	**130**	**11**	NA	8.2	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0	<5.0	**120**	**7.3**
	10/17/01	<0.50	<0.50	**15**	**120**	**16**	NA	**13**	<0.50	<0.50	3.9	NA	NA	NA	<0.50	<0.50	**1300**	<0.50	<0.50	**130**	**8.9**
	10/17/01	<5.0	<5.0	**11 J**	**130 J**	**12 J**	NA	9.0 J	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1300 J**	<5.0	<5.0	**120 J**	**7.2 J**
	10/17/01	<0.50	<0.50	**15 J**	**120 J**	**16 J**	NA	**13 J**	<0.50	<0.50	3.9 J	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**130 J**	**8.8 J**
	01/28/02	<5.0	<5.0	**7.9**	**190**	**11**	NA	7.6	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1800**	<5.0	<5.0	**110**	<5.0
	01/28/02	<0.50	<0.50	**12**	**280**	**12**	NA	**12**	<0.50	<0.50	3.5	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**130**	<0.50
	04/29/02	<5.0	<5.0	**11**	**230**	**13**	NA	**10**	<5.0	<5.0	7.5	NA	NA	NA	<5.0	<5.0	**1600**	<5.0	<5.0	**130**	<5.0
	04/29/02	<0.50	<0.50	**13**	**180**	**12**	NA	**13**	<0.50	<0.50	4.1	NA	NA	NA	<0.50	<0.50	**1200**	<0.50	<0.50	**110**	<0.50
Layer A Wells																					
4013	09/16/02	<25	<25	<25	**140**	<25	<25	NA	<25	<25	<25	<25	<25	<25	<25	<25	960	<25	<25	**110**	<25
	10/11/02	<5.0	<5.0	**16**	**200**	<5.0	NA	**12**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0	<5.0	**130**	<5.0
	10/11/02	<0.50	<0.50	**17**	**190**	<0.50	NA	**15**	<0.50	<0.50	4.2	NA	NA	NA	<0.50	<0.50	**1800**	<0.50	<0.50	**120**	<0.50
	10/11/02	<5.0	<5.0	**16 J**	**200 J**	<5.0	NA	**13 J**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1800 J**	<5.0	<5.0	**130 J**	<5.0

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	10/11/02	<0.50	1.6 J	**17 J**	**190 J**	<0.50	NA	**15 J**	<0.50	<0.50	4.1 J	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**130 J**	<0.50
	02/03/03	<5.0	<5.0	**15**	**170**	<5.0	NA	**12**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1900**	<5.0	<5.0	**130**	<5.0
	02/03/03	<0.50	<0.50	**17**	**180**	<0.50	NA	**15**	<0.50	<0.50	4	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**120**	<0.50
	04/04/03	<5.0	<5.0	**13**	**160**	**13**	NA	9.8	<5.0	<5.0	5.1	NA	NA	NA	<5.0	<5.0	**1200**	<5.0	<5.0	**130**	<5.0
	04/04/03	<0.50	<0.50	**17**	**150**	**14**	NA	**13**	<0.50	<0.50	4.3	NA	NA	NA	<0.50	<0.50	830	<0.50	<0.50	**110**	<0.50
	04/04/03	<5.0	<5.0	**16**	**170**	**14**	NA	**11**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1200**	<5.0	<5.0	**140**	<5.0
	04/04/03	<0.50	<0.50	**19**	**150**	**15**	NA	**14**	<0.50	<0.50	4.5	NA	NA	NA	<0.50	<0.50	880	<0.50	<0.50	**120**	<0.50
	08/04/03	<5.0	<5.0	**10**	**180**	<5.0	NA	**11**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1300**	<5.0	<5.0	**110**	<5.0
	08/04/03	<0.50	<0.50	**13**	**170**	**6.6**	NA	**12**	<0.50	<0.50	3.8	NA	NA	NA	<0.50	<0.50	1000	<0.50	<0.50	**99**	<0.50
	10/21/03	<5.0	<5.0	**7.1**	**180**	<5.0	NA	6.5	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	1100	<5.0	<5.0	**97**	<5.0
	10/21/03	<0.50	<0.50	**13**	**340**	**7.3**	NA	**11**	<0.50	<0.50	3.8	NA	NA	NA	<0.50	<0.50	920	<0.50	<0.50	**100**	<0.50
	01/30/04	<5.0	<5.0	**12**	**270**	**15**	NA	**13**	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	**1200**	<5.0	<5.0	**140**	<5.0
	01/30/04	<0.50	<0.50	**14**	**210**	**11**	NA	**15**	<0.50	<0.50	4.9	NA	NA	NA	<0.50	<0.50	870	<0.50	<0.50	**120**	<0.50
	04/22/04	<50	<50	<50	**200**	<50	<50	NA	<50	<50	<50	<50	<50	<50	<50	<50	**1300**	<50	<50	**130**	<50
4100	01/28/00	<2.5	<2.5	<2.5	4.4	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	410	<2.5	<2.5	**60**	<2.5
	01/28/00	<0.50	<0.50	2.7	**7.7**	<0.50	NA	2.1	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	280	<0.50	<0.50	**59**	<0.50
	04/15/00	<2.5	<2.5	2.6	**7.4**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	550	<2.5	<2.5	**66**	<2.5
	04/15/00	<0.50	<0.50	3.1	**9.3**	<0.50	NA	2.4	<0.50	<0.50	0.61	NA	NA	NA	<0.50	<0.50	450	<0.50	<0.50	**66**	<0.50
	07/23/00	<0.5	<0.5	3.3	**8**	**3.9**	NA	3.3	<0.5	<0.5	0.8	NA	NA	NA	<0.5	<0.5	230	<0.5	<0.5	**68**	<0.5
	10/07/00	<2.5	<2.5	<2.5	**23**	**6.6**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	490	<2.5	<2.5	**70**	<2.5
	10/07/00	<0.50	<0.50	2.8	**19**	**4.1**	NA	2.7	<0.50	<0.50	0.72	NA	NA	NA	<0.50	<0.50	440	<0.50	<0.50	**67**	<0.50
	01/06/01	<2.5	<2.5	<2.5	**20**	**3.9**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	460	<2.5	<2.5	**68**	<2.5
	01/06/01	<0.50	<0.50	2.7	**20**	**3.5**	NA	2.8	<0.50	<0.50	0.77	NA	NA	NA	<0.50	<0.50	400	<0.50	<0.50	**63**	<0.50
	04/15/01	<2.5	<2.5	<2.5	**17**	**3.2**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	380	<2.5	<2.5	**65**	<2.5
	04/15/01	<0.50	<0.50	2.5	**17**	**3**	NA	2.6	<0.50	<0.50	0.7	NA	NA	NA	<0.50	<0.50	370	<0.50	<0.50	**64**	<0.50
	04/15/01	<2.5	<2.5	<2.5	**17 J**	**3.3 J**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	380 J	<2.5	<2.5	**66 J**	<2.5
	04/15/01	<0.50	<0.50	2.5 J	**17 J**	**3.0 J**	NA	2.6 J	<0.50	<0.50	0.73 J	NA	NA	NA	<0.50	<0.50	360 J	<0.50	<0.50	**63 J**	<0.50
	07/07/01	<2.5	<2.5	<2.5	4.5	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	350	<2.5	<2.5	**56**	<2.5
	07/07/01	<0.50	<0.50	2	5.8	**2.7**	NA	2.5	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**62**	<0.50
Layer A Wells																					
4100	10/17/01	<2.5	<2.5	<2.5	3.6	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	310	<2.5	<2.5	**59**	<2.5
	10/17/01	<0.50	<0.50	2.2	5	**2.6**	NA	2	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	230	<0.50	<0.50	**59**	**0.98**
	01/28/02	<2.5	<2.5	<2.5	**16**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	420	<2.5	<2.5	**56**	<2.5
	01/28/02	<0.50	<0.50	2.1	**17**	**2.2**	NA	2.2	<0.50	<0.50	0.52	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**61**	<0.50
	04/29/02	<2.5	<2.5	<2.5	<2.5	**2.5**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	290	<2.5	<2.5	**51**	<2.5
	04/29/02	<0.50	<0.50	2.4	<0.50	**2.4**	NA	2.2	<0.50	<0.50	0.64	NA	NA	NA	<0.50	<0.50	260	<0.50	<0.50	**51**	<0.50
	09/16/02	<5.0	<5.0	<5.0	**8.7**	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	350	<5.0	<5.0	**49**	<5.0
	10/11/02	<2.5	<2.5	<2.5	**6.8**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	440	<2.5	<2.5	**57**	<2.5
	10/11/02	<0.50	<0.50	2.8	**8.5**	<0.50	NA	2.4	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	420	<0.50	<0.50	**60**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	02/03/03	<2.5	<2.5	<2.5	**16**	**3.4**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	390	<2.5	<2.5	**43**	<2.5
	02/03/03	<0.50	<0.50	2.5	**17**	**2.6**	NA	2.4	<0.50	<0.50	0.62	NA	NA	NA	<0.50	<0.50	350	<0.50	<0.50	**67**	<0.50
	02/03/03	<2.5	<2.5	<2.5	**16 J**	**3.2 J**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	380 J	<2.5	<2.5	**41 J**	<2.5
	02/03/03	<0.50	<0.50	2.1 J	**14 J**	**2.5 J**	NA	2.1 J	<0.50	<0.50	0.56 J	NA	NA	NA	<0.50	<0.50	280 J	<0.50	<0.50	**55 J**	<0.50
	04/04/03	<2.5	<2.5	<2.5	**17**	**3.8**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	410	<2.5	<2.5	**57**	<2.5
	04/04/03	<0.50	<0.50	2.5	**17**	**2.8**	NA	2.3	<0.50	<0.50	0.68	NA	NA	NA	<0.50	<0.50	340	<0.50	<0.50	**49**	<0.50
	08/04/03	<2.5	<2.5	<2.5	**13**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	320	<2.5	<2.5	**49**	<2.5
	08/04/03	<0.50	<0.50	2.3	**17**	<0.50	NA	2.2	<0.50	<0.50	0.63	NA	NA	NA	<0.50	<0.50	320	<0.50	<0.50	**49**	<0.50
	12/04/03	<2.5	<2.5	<2.5	**6.2**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	380	<2.5	<2.5	**51**	<2.5
	12/04/03	<0.50	<0.50	2.8	**7.8**	<0.50	NA	2	<0.50	<0.50	0.62	NA	NA	NA	<0.50	<0.50	370	<0.50	<0.50	**53**	<0.50
	01/30/04	<2.5	<2.5	<2.5	**21**	**3.6**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	380	<2.5	<2.5	**56**	<2.5
	01/30/04	<0.50	<0.50	2.2	**16**	**2.4**	NA	2.1	<0.50	<0.50	0.65	NA	NA	NA	<0.50	<0.50	290	<0.50	<0.50	**45**	<0.50
	04/22/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/04	<5.0	<5.0	<5.0	5.5	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	86	<5.0	<5.0	**49**	<5.0
4105	01/28/00	<0.50	<0.50	0.94	1.7	<0.50	NA	0.5	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	110	<0.50	<0.50	**6.3**	<0.50
	04/15/00	<0.50	<0.50	1.2	2.9	<0.50	NA	0.71	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	170	<0.50	<0.50	**9.1**	<0.50
	07/23/00	<0.5	<0.5	1.3	3.4	**1.7**	NA	0.77	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	170	<0.5	<0.5	**10**	<0.5
	10/07/00	<0.50	<0.50	1.5	3.4	**3.8**	NA	0.8	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	170	<0.50	<0.50	**8.9**	<0.50
	01/06/01	<0.50	<0.50	0.99	**7.1**	**1.4**	NA	0.72	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	160	<0.50	<0.50	**9**	<0.50
	04/14/01	<0.50	<0.50	0.88	5.6	**1.2**	NA	0.57	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	120	<0.50	<0.50	**7.1**	<0.50
	07/07/01	<0.50	<0.50	0.69	1.9	**0.93**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	140	<0.50	<0.50	**6.4**	<0.50
	10/17/01	<0.50	<0.50	0.57	1.8	**0.71**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	90	<0.50	<0.50	**5.7**	<0.50
	01/28/02	<0.50	<0.50	<0.50	3.8	**0.67**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	100	<0.50	<0.50	4.8	<0.50
	04/29/02	<0.50	<0.50	0.61	<0.50	**0.74**	NA	0.54	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	75	<0.50	<0.50	4.9	<0.50
Layer A Wells																					
4105	09/16/02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	83	<2.5	<2.5	4.6	<2.5
	10/11/02	<0.50	<0.50	0.72	1.9	<0.50	NA	0.53	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	110	<0.50	<0.50	**5.2**	<0.50
	02/03/03	<0.50	<0.50	0.67	1.9	<0.50	NA	0.67	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	100	<0.50	<0.50	**5.3**	<0.50
	04/04/03	<0.50	<0.50	0.66	2	**0.86**	NA	0.53	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	75	<0.50	<0.50	**5.8**	<0.50
	08/04/03	<0.50	<0.50	0.61	4	<0.50	NA	0.55	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	98	<0.50	<0.50	**5.2**	<0.50
	10/21/03	<0.50	<0.50	<0.50	5	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	93	<0.50	<0.50	**5**	<0.50
	01/30/04	<0.50	<0.50	0.55	1.2	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	83	<0.50	<0.50	3.9	<0.50
	04/22/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/04	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	15	<1.0	<1.0	3.2	<1.0
4110	01/28/00	<0.50	<0.50	2	3.5	<0.50	NA	0.77	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	170	<0.50	<0.50	**9.4**	<0.50
	04/15/00	<0.50	<0.50	2.4	5.2	<0.50	NA	0.96	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	240	<0.50	<0.50	**11**	<0.50
	07/23/00	<0.50	<0.50	2.4	5.1	<0.50	NA	0.96	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	230	<0.50	<0.50	**12**	<0.50
	10/07/00	<0.50	<0.50	2	**9.9**	**2.3**	NA	1	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	230	<0.50	<0.50	**13**	<0.50
	01/06/01	<0.50	<0.50	1.6	**9.2**	**1.8**	NA	0.81	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	180	<0.50	<0.50	**9.9**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	04/15/01	<0.50	<0.50	1.4	**8.2**	**1.6**	NA	0.76	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	170	<0.50	<0.50	**9.2**	<0.50
	07/07/01	<0.50	<0.50	0.59	1.4	**0.96**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	67	<0.50	<0.50	3	<0.50
	10/17/01	<0.50	<0.50	1.4	3.9	**1.5**	NA	0.65	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	160	<0.50	<0.50	**10**	<0.50
	01/28/02	<2.5	<2.5	<2.5	**7.8**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	190	<2.5	<2.5	**8.3**	<2.5
	01/28/02	<0.50	<0.50	1.2	**8.4**	**1.4**	NA	0.74	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	**9.7**	<0.50
	04/29/02	<0.50	<0.50	1.5	<0.50	**1.6**	NA	0.84	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	140	<0.50	<0.50	**8.6**	<0.50
	09/16/02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	150	<5.0	<5.0	**8.3**	<5.0
	09/16/02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	150	<5.0	<5.0	**7.3**	<5.0
	10/11/02	<2.5	<2.5	<2.5	3.9	**3.8**	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	220	<2.5	<2.5	**8.8**	<2.5
	10/11/02	<0.50	<0.50	1.9	4.6	**3.8**	NA	0.93	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	200	<0.50	<0.50	**9.6**	<0.50
	10/11/02	<2.5	<2.5	<2.5	**11 J**	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	<2.5	<2.5	220 J	<2.5	<2.5	**8.7 J**	<2.5
	10/11/02	<0.50	<0.50	1.6 J	**12 J**	**2.0 J**	NA	0.92 J	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	250 J	<0.50	<0.50	**12 J**	<0.50
	02/03/03	<0.50	<0.50	1.7	3.9	<0.50	NA	0.79	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	190	<0.50	<0.50	**8.5**	<0.50
	04/04/03	<0.50	<0.50	1	3.7	**1.8**	NA	0.59	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	79	<0.50	<0.50	**9.3**	<0.50
	08/04/03	<0.50	<0.50	1.5	**8.4**	<0.50	NA	0.86	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	180	<0.50	<0.50	**8.9**	<0.50
	10/21/03	<0.50	<0.50	1.2	**10**	<0.50	NA	0.59	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	160	<0.50	<0.50	**8.5**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5
Layer A Wells																					
4110	01/30/04	<0.50	<0.50	1.5	3.3	<0.50	NA	0.62	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	170	<0.50	<0.50	**7.2**	<0.50
	01/30/04	<0.50	<0.50	1.7	3.6	<0.50	NA	0.74	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	190	<0.50	<0.50	**7.6**	<0.50
	04/22/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/04	<1.0	<1.0	1.3	3.4	**1.4**	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	62	<1.0	<1.0	**6.2**	<1.0
4120	01/28/00	<0.50	<0.50	1.5	1.7	**2.8**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	8.1	<0.50	<0.50	0.68	<0.50
	04/15/00	<0.50	<0.50	1.8	3.5	**2.9**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	14	<0.50	<0.50	2.5	<0.50
	07/23/00	<0.5	<0.5	1.8	2.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	12	<0.5	<0.5	1.8	<0.5
	10/07/00	<0.50	<0.50	1.6	3.3	**2.6**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	8.9	<0.50	<0.50	0.95	<0.50
	01/06/01	<0.50	<0.50	1.5	2.9	**2.6**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.9	<0.50	<0.50	0.81	<0.50
	04/15/01	<0.50	<0.50	1.5	2.7	**2.3**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	5.9	<0.50	<0.50	0.84	<0.50
	07/07/01	<0.50	<0.50	1.1	2	**2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	5.2	<0.50	<0.50	0.52	<0.50
	10/17/01	<0.50	<0.50	1.3	2.2	**2.2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	5.4	<0.50	<0.50	0.58	<0.50
	01/28/02	<0.50	<0.50	1.2	2.5	**1.8**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.3	<0.50	<0.50	0.65	<0.50
	04/29/02	<0.50	<0.50	1.3	<0.50	**1.9**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	7.4	<0.50	<0.50	0.56	<0.50
	09/16/02	<0.50	<0.50	1.5	2.1	**2.3**	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	<0.50	<0.50	0.63	<0.50
	09/16/02	<0.50	<0.50	1.5	2.1	**2.3**	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5	<0.50	<0.50	0.67	<0.50
	10/11/02	<0.50	<0.50	1.3	3.2	**2.2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.8	<0.50	<0.50	0.7	<0.50
	02/03/03	<0.50	<0.50	1.6	2.6	**2.2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	8.6	<0.50	<0.50	<0.50	<0.50
	04/04/03	<0.50	<0.50	1.3	2.4	**2.3**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	4.5	<0.50	<0.50	0.54	<0.50
	08/04/03	<0.50	<0.50	1.6	2.7	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	0.72	<0.50	9.5	<0.50	<0.50	1	<0.50
	10/21/03	<0.50	<0.50	1.6	2.7	**2.7**	NA	<0.50	<0.50	<0.50	1.8	NA	NA	NA	<0.50	<0.50	3.2	<0.50	<0.50	0.98	<0.50
	01/30/04	<0.50	<0.50	1.7	2.8	<0.50	NA	<0.50	<0.50	<0.50	0.54	NA	NA	NA	<0.50	<0.50	9.1	<0.50	<0.50	3.3	<0.50
	04/22/04	<1.0	<1.0	1.3	2.1	**1.7**	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	<1.0	<1.0
4125	01/28/00	<0.50	<0.50	1.1	1.2	**2.6**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/15/00	<0.50	<0.50	1.3	2.2	**2.5**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/23/00	<0.5	<0.5	1.6	2	**2.8**	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.76	<0.5
	07/23/00	<0.50	<0.50	1.8 J	1.2 J	**2.7 J**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/07/00	<0.50	<0.50	1.3	2	**2.8**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/01	<0.50	<0.50	1.4	2.1	**2.6**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/01	<0.50	<0.50	1.3 J	2.0 J	**2.6 J**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/19/01	<0.50	<0.50	1.3	2.1	**2.3**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<0.50
	07/07/01	<0.50	<0.50	0.88	1.3	**1.9**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/17/01	<0.50	<0.50	0.94	1.4	**2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Layer A Wells																					
4125	01/28/02	<0.50	<0.50	0.85	1.2	**1.6**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/29/02	<0.50	<0.50	0.79	2.1	**1.5**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/16/02	<0.50	<0.50	1	1.5	**1.4**	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/11/02	<0.50	<0.50	0.67	1.2	**1.5**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
	02/03/03	<0.50	<0.50	0.78	1.3	**1.3**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/04/03	<0.50	<0.50	<0.50	0.94	**1.2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/04/03	<0.50	<0.50	0.77	1.3	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/21/03	<0.50	<0.50	0.61	0.82	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/30/04	<0.50	<0.50	0.72	1.1	**1.3**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/22/04	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4130	04/15/00	<0.50	<0.50	<0.50	<0.50	**0.55**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.63	<0.50
	07/23/00	<0.50	<0.50	<0.50	<0.50	**0.83**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/07/00	<0.50	<0.50	<0.50	<0.50	**0.72**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/01	<0.50	<0.50	<0.50	<0.50	**0.71**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/01	<0.50	<0.50	<0.50	<0.50	**0.67 J**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/19/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/17/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/29/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/11/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/03/03	<0.50	<0.50	<0.50	0.51	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/04/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/04/03	<0.50	<0.50	<0.50	0.64	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/21/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/30/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/22/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer A Wells																					
4430	01/28/00	<10	<10	**11**	**1100**	**280**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1500**	<10	<10	**500**	<10
	01/28/00	<1.0	1.1	**17**	**870**	**240**	NA	**12**	<1.0	<1.0	13	NA	NA	NA	<1.0	<1.0	1100	<1.0	<1.0	**400**	<1.0
	04/15/00	<10	<10	**20**	**1100**	**240**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**2100**	<10	<10	**460**	<10
	04/15/00	<1.0	<1.0	**18**	**680**	**190**	NA	**11**	<1.0	<1.0	10	NA	NA	NA	<1.0	<1.0	1100	<1.0	<1.0	**390**	<1.0
	04/15/00	<10	<10	**19 J**	**1000 J**	**230 J**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1800 J**	<10	<10	**440 J**	<10
	04/15/00	<1.0	<1.0	**18 J**	**680 J**	**190 J**	NA	**11 J**	<1.0	<1.0	11 J	NA	NA	NA	<1.0	<1.0	1100 J	<1.0	<1.0	**400 J**	<1.0
	07/09/00	<150	<125	<125	**936**	**148**	<125	NA	<125	<125	<125	<250	<250	<125	<1250	<32.5	<1250	<500	<125	**438**	<135
	10/07/00	<10	<10	**10**	**1000**	**180**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1700**	<10	<10	**450**	<10
	10/07/00	<0.50	<0.50	**14**	**730**	**140**	NA	**11**	<0.50	<0.50	11	NA	NA	NA	<0.50	<0.50	**1200**	<0.50	<0.50	**350**	<0.50
	01/06/01	<5.0	<5.0	**14**	**970**	**180**	NA	**11**	<5.0	<5.0	12	NA	NA	NA	<5.0	<5.0	**1600**	<5.0	<5.0	**450**	<5.0
	01/06/01	<0.50	<0.50	**19**	**740**	**150**	NA	**17**	<0.50	**0.55**	14	NA	NA	NA	<0.50	<0.50	**1200**	<0.50	<0.50	**350**	<0.50
	04/19/01	<5.0	<5.0	**31**	**1300**	<5.0	NA	**13**	<5.0	<5.0	17	NA	NA	NA	<5.0	<5.0	**2200**	<5.0	<5.0	**460**	<5.0
	04/19/01	<0.50	<0.50	**23**	NA	<0.50	NA	**12**	<0.50	<0.50	16	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50
	07/07/01	<10	<10	**10**	**880**	**140**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1600**	<10	<10	**400**	<10
	07/07/01	<0.50	0.8	**19**	NA	NA	NA	**11**	<0.50	<0.50	12	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50
	10/17/01	<10	<10	**11**	**990**	**140**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1400**	<10	<10	**440**	<10
	10/17/01	<0.50	0.91	**23**	**750**	**140**	NA	**13**	<0.50	**1.2**	14	NA	NA	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	**2.7**
	01/28/02	<10	<10	**12**	**1200**	**120**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1800**	<10	<10	**430**	<10
	01/28/02	<1.0	<1.0	**16**	NA	**120**	NA	**10**	<1.0	<1.0	12	NA	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
	04/29/02	<10	<10	**13**	**1100**	**110**	NA	<10	<10	<10	<10	NA	NA	NA	<10	<10	**1700**	<10	<10	**420**	<10
	04/29/02	1.2	0.8	**18**	**720**	**91**	NA	**14**	<0.50	**0.53**	13	NA	NA	NA	<0.50	<0.50	1100	<0.50	<0.50	**290**	<0.50
	09/16/02	<50	<50	<50	**950**	**110**	<50	NA	<50	<50	<50	<50	<50	<50	<50	<50	**1500**	<50	<50	**360**	<50
	10/11/02	<5.0	<5.0	**16**	**1200**	**93**	NA	7.6	<5.0	<5.0	11	NA	NA	NA	<5.0	<5.0	**1800**	<5.0	<5.0	**440**	<5.0
	10/11/02	1.4	0.88	**21**	**780**	**75**	NA	**12**	<0.50	**0.77**	14	NA	NA	NA	<0.50	<0.50	**1300**	<0.50	<0.50	**310**	<0.50
	10/11/02	<5.0	<5.0	**15 J**	**1200 J**	**99 J**	NA	8.8 J	5.7 J	<5.0	12 J	NA	NA	NA	42 J	<5.0	**2000 J**	<5.0	<5.0	**450 J**	<5.0
	10/11/02	1.3 J	0.90 J	**21 J**	**780 J**	**76 J**	NA	**12 J**	<0.50	**0.79 J**	14 J	NA	NA	NA	<0.50	<0.50	**1300 J**	<0.50	<0.50	**310 J**	<0.50
	02/03/03	<10	<10	**23**	**1200**	<10	NA	**11**	<10	<10	11	NA	NA	NA	<10	<10	**2100**	<10	<10	**400**	<10
	02/03/03	<1.0	<1.0	**21**	NA	<1.0	NA	**12**	<1.0	<1.0	12	NA	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	**350**	<1.0
	04/04/03	<5.0	<5.0	**13**	**990**	**110**	NA	8.4	<5.0	<5.0	12	NA	NA	NA	<5.0	<5.0	1100	<5.0	<5.0	**390**	<5.0
	04/04/03	<0.50	0.65	**24**	**840**	**98**	NA	**11**	<0.50	**1.4**	13	NA	NA	NA	<0.50	<0.50	860	<0.50	<0.50	**300**	<0.50
	08/04/03	<5.0	<5.0	**14**	**860**	**34**	NA	9.2	<5.0	<5.0	11	NA	NA	NA	<5.0	<5.0	1100	<5.0	<5.0	**330**	<5.0
	08/04/03	0.57	0.98	**17**	**630**	**75**	NA	**14**	<0.50	**0.56**	12	NA	NA	NA	<0.50	<0.50	880	<0.50	<0.50	**250**	<0.50

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer A Wells																					
4430	10/21/03	<5.0	<5.0	**12**	**870**	**43**	NA	6.9	<5.0	<5.0	9.2	NA	NA	NA	<5.0	<5.0	1100	<5.0	<5.0	**320**	<5.0
	10/21/03	<0.50	0.74	**17**	**760**	**83**	NA	9.9	<0.50	**0.52**	12	NA	NA	NA	<0.50	<0.50	780	<0.50	<0.50	**240**	<0.50
	01/30/04	<5.0	<5.0	**34**	**1600**	<5.0	NA	**14**	<5.0	<5.0	18	NA	NA	NA	<5.0	<5.0	**1700**	<5.0	<5.0	**520**	<5.0
	01/30/04	1.7	<0.50	**31**	**600**	<0.50	NA	**15**	<0.50	**1.1**	19	NA	NA	NA	<0.50	<0.50	800	<0.50	<0.50	**380**	<0.50
	04/22/04	<100	<100	<100	**970**	<100	<100	NA	<100	<100	<100	<100	<100	<100	<100	<100	**1300**	<100	<100	**370**	<100
4500	01/28/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	5.6	<0.50	<0.50	<0.50	<0.50
	04/15/00	<0.50	<0.50	0.81	1	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	8.6	<0.50	<0.50	0.78	<0.50
	07/23/00	<0.5	<0.5	0.89	0.69	**1.2**	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	4.1	<0.5	<0.5	0.89	<0.5
	07/23/00	<0.5	<0.5	0.87 J	0.68 J	**1.1 J**	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	4.2 J	<0.5	<0.5	0.87 J	<0.5
	10/07/00	<0.50	<0.50	0.54	1.4	**1.2**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	11	<0.50	<0.50	0.7	<0.50
	10/07/00	<0.50	<0.50	0.55 J	1.4 J	**1.2 J**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	11 J	<0.50	<0.50	0.68 J	<0.50
	01/06/01	<0.50	<0.50	<0.50	1	**0.82**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.3	<0.50	<0.50	0.51	<0.50
	04/15/01	<0.50	<0.50	<0.50	0.94	**0.78**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	6.4	<0.50	<0.50	0.5	<0.50
	07/07/01	<0.50	<0.50	<0.50	0.61	**0.61**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	7.6	<0.50	<0.50	<0.50	<0.50
	10/17/01	<0.50	<0.50	<0.50	0.64	**0.61**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	9.9	<0.50	<0.50	0.54	<0.50
	01/28/02	<0.50	<0.50	<0.50	1.4	**0.64**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	16	<0.50	<0.50	0.74	<0.50
	04/29/02	<0.50	<0.50	<0.50	<0.50	**0.71**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	14	<0.50	<0.50	0.73	<0.50
	09/16/02	<0.50	<0.50	0.64	1.1	**0.63**	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.50	0.89	<0.50
	10/11/02	<0.50	<0.50	<0.50	2	**0.82**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	21	<0.50	<0.50	0.93	<0.50
	02/03/03	<0.50	<0.50	0.51	1.5	**0.92**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	23	<0.50	<0.50	<0.50	<0.50
	04/04/03	<0.50	<0.50	<0.50	0.76	**0.8**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	17	<0.50	<0.50	1.1	<0.50
	04/04/03	<0.50	<0.50	<0.50	0.67	**0.74**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	17	<0.50	<0.50	0.94	<0.50
	08/04/03	<0.50	<0.50	0.57	1.5	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	25	<0.50	<0.50	1.3	<0.50
	10/21/03	<0.50	<0.50	<0.50	2	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	20	<0.50	<0.50	0.88	<0.50
	01/30/04	<0.50	<0.50	<0.50	1.5	**0.71**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	25	<0.50	<0.50	1.2	<0.50
	04/22/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	19	<1.0	<1.0	<1.0	<1.0

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**80**	**0.5**	**80**	**600[2]**	**5**	**none**	**150**	**1,000[2]**	**1,200**	**5**	**5**	**5**	**0.5**
Layer B Wells																					
3414	01/21/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/12/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/12/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/30/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/29/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/29/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3505	01/24/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bedrock Wells																					
483	01/20/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/08/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/27/00	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/24/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/27/01	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/28/02	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/20/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/20/03	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/16/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	06/07/04	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3467	12/03/01	<0.50	<0.50	<0.50	**22**	**1.7**	NA	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<0.50	<0.50	2.4	<0.50	<0.50	0.56	**2.6**

TABLE D-5: Summary of Detects - Volatile Organic Compounds
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	cis/trans 1,2-DCE (µg/l)	BDCM (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	m-DCB (µg/l)	p-DCB (µg/l)	Ethene, 1,2-dichloro(E)- (µg/l)	Freon-11 (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methylene chloride (µg/l)	PCE (µg/l)	TCE (µg/l)	Vinyl chloride (µg/l)
	MCL[1]:	200	5	5	6	0.5	6	10	80	0.5	80	600[2]	5	none	150	1,000[2]	1,200	5	5	5	0.5

Notes:

1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. California State Action Level for Drinking Water (DHS).

Results shown in bold exceed the MCL or Action Level.

VOCs not detected in any wells during the RI Sampling Period are not included in table.

Abbreviations:

MCL = Maximum Contaminant Level
1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethylene
1,2-DCA = 1,2-Dichloroethane
1,2-DCE = 1,2-Dichloroethene
BDCM = Bromodichloromethane
DBC = Dichlorobenzene
Freon-11 = Trichlorofluoromethane
Freon-12 = Dichlorodifluoromethane
PCE = Tetrachloroethylene
TCE = Trichloroethylene
µg/l = micrograms per liter
< = less than
* = multiple sample results, highest concentration shown
J = Estimated concentration
NA = Not Analyzed

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
Dredged Layer Wells			
77	02/10/00	<0.0075	NA
	05/08/00	<0.0075	NA
	11/17/03	NA	<4.0
90	11/17/03	NA	<4.0
3186	08/06/03	<0.00050	NA
3187	08/07/03	<0.00050	NA
	11/14/03	NA	<4.0
3216	01/14/00	<0.0075	NA
	03/30/00	<0.0075	NA
	03/30/00	<0.0075	NA
	06/06/00	<0.0075	NA
	08/21/00	<0.0075	NA
	11/20/00	<0.0075	NA
	02/12/01	<0.0075	NA
	05/21/01	<0.0075	NA
	08/10/01	<0.0075	NA
	08/10/01	<0.0075	NA
	12/14/01	<0.0075	NA
	02/15/02	<0.0075	NA
	05/21/02	<0.0075	NA
	09/16/02	<0.0075	NA
	12/11/02	<0.0075	NA
	02/19/03	<0.00050	NA
	05/09/03	<0.00050	NA
	02/19/04	<0.0010	NA
	05/13/04	<0.0010	NA
3377	11/12/03	NA	<4.0
3385	01/17/00	<0.0075	NA
	06/08/00	<0.0075	NA
	12/01/00	<0.0075	NA
	05/22/01	<0.0075	NA
	01/03/02	<0.0075	NA
	01/03/02	<0.0075	NA
	12/18/02	<0.0075	NA
	02/23/04	<0.0010	NA
3388	01/21/00	<0.0075	NA
3394	01/21/00	<0.0075	NA
	11/12/03	NA	<4.0
3412	11/12/03	NA	<4.0
3413	01/26/00	<0.0075	NA
	11/12/03	NA	<4.0
3418	01/26/00	<0.0075	NA
	11/30/00	<0.0075	NA
	11/30/01	<0.0075	NA
	12/16/02	<0.0075	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	**0.01**	**6**
	Layer A Wells		
78	06/23/04	NA	**45**
79	07/16/03	**0.025**	NA
97	07/17/03	<0.00050	<4.0
99	01/20/00	**0.027**	NA
	06/07/00	**0.011 J**	NA
	11/22/00	0.0082 J	NA
	05/23/01	**0.023**	NA
	01/02/02	**0.019 J**	NA
	01/02/02	**0.020 J**	NA
	05/28/02	**0.028**	NA
	07/23/02	**0.027**	NA
	01/07/03	**0.067**	NA
	05/20/03	**0.038**	NA
	02/17/04	**0.042 J**	NA
	06/07/04	**0.040 J**	NA
143	12/18/02	**0.063**	NA
144	12/18/02	**0.23**	NA
148	11/08/02	**0.27**	NA
149	11/08/02	**0.073**	NA
150	11/08/02	**14**	NA
151	11/08/02	**4**	NA
331	11/08/02	**1.9**	NA
435	07/24/02	**0.075**	NA
444	01/18/00	<0.0075	NA
	06/09/00	**0.011 J**	NA
	11/28/00	<0.0075	NA
	05/24/01	<0.0075	NA
	11/30/01	0.0098 J	NA
	05/28/02	**0.013 J**	NA
	12/16/02	<0.0075	NA
	05/21/03	0.0066	NA
	02/16/04	0.0054	NA
	05/27/04	0.006	NA
445	01/18/00	<0.0075	NA
	06/09/00	<0.0075	NA
	11/28/00	<0.0075	NA
	05/24/01	<0.0075	NA
	12/03/01	0.0086 J	NA
	05/28/02	0.0089 J	NA
	12/17/02	**0.011 J**	NA
	05/21/03	0.008	NA
	02/16/04	**0.014**	NA
	05/27/04	**0.01**	NA
449	11/14/02	<0.0075	NA
	11/14/02	<0.0075	NA
	08/11/03	<0.00050	NA
453	11/14/02	<0.0075	NA
	07/16/03	<0.00050	NA
	07/16/03	<0.00050	NA
	06/24/04	NA	<4.0

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level(1):	0.01	6
	Layer A Wells		
457	01/21/00	<0.0075	NA
	06/12/00	<0.0075	NA
	12/06/00	<0.0075	NA
	05/25/01	<0.0075	NA
	05/25/01	<0.0075	NA
	11/19/01	<0.0075	NA
	05/29/02	<0.0075	NA
	12/17/02	<0.0075	NA
	05/21/03	<0.00050	NA
458	01/21/00	<0.0075	NA
	06/12/00	<0.0075	NA
	12/06/00	<0.0075	NA
	05/25/01	<0.0075	NA
	11/19/01	<0.0075	NA
	05/29/02	<0.0075	NA
	12/17/02	<0.0075	NA
	05/21/03	<0.00050	NA
459	01/21/00	<0.0075	NA
	06/12/00	<0.0075	NA
	12/06/00	<0.0075	NA
	05/25/01	<0.0075	NA
	11/19/01	<0.0075	NA
	05/29/02	<0.0075	NA
	12/17/02	<0.0075	NA
	05/21/03	<0.00050	NA
460	12/17/02	<0.0075	NA
462	06/25/04	NA	<4.0
	06/25/04	NA	<4.0
463	07/16/03	<0.00050	NA
	06/25/04	NA	<4.0
481	01/20/00	<0.0075	NA
	06/09/00	<0.0075	NA
	11/27/00	<0.0075	NA
	05/24/01	<0.0075	NA
	11/29/01	<0.0075	NA
	05/28/02	<0.0075	NA
	05/28/02	<0.0075	NA
	01/06/03	<0.00050	NA
	05/20/03	<0.00050	NA
	02/17/04	0.0013 J	NA
	06/07/04	0.0047 J	NA
482	01/20/00	<0.0075	NA
	06/09/00	<0.0075	NA
	11/27/00	<0.0075	NA
	05/24/01	<0.0075	NA
	11/29/01	<0.0075	NA
	05/28/02	<0.0075	NA
	01/06/03	<0.00050	NA
	05/20/03	<0.00050	NA
	02/16/04	<0.0010	NA
	06/07/04	<0.0010	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
Layer A Wells			
1848	01/20/00	<0.0075	NA
	01/20/00	<0.0075	NA
1849	01/20/00	<0.0075	NA
3095	06/23/04	NA	5
3188	11/17/00	<0.0075	NA
	12/17/01	<0.0075	NA
	01/08/03	<0.0050	NA
	01/08/03	<0.0050	NA
	11/11/03	<0.0010	NA
	02/10/04	<0.0010	NA
	05/13/04	<0.0010	NA
3217	01/14/00	<0.0075	NA
	03/30/00	<0.0075	NA
	06/06/00	<0.0075	NA
	08/21/00	<0.0075	NA
	11/17/00	<0.0075	NA
	02/12/01	<0.0075	NA
	05/21/01	<0.0075	NA
	08/10/01	<0.0075	NA
	12/14/01	<0.0075	NA
	02/15/02	<0.0075	NA
	05/21/02	<0.0075	NA
	09/16/02	<0.0075	NA
	12/11/02	<0.0075	NA
	02/19/03	0.0024 J	NA
	05/09/03	0.0030 J	NA
	05/09/03	0.0030 J	NA
	02/19/04	0.0026 J	NA
	02/19/04	0.0026 J	NA
	05/13/04	0.0025 J	NA
3218	01/14/00	<0.0075	NA
	03/30/00	<0.0075	NA
	06/06/00	<0.0075	NA
	08/21/00	<0.0075	NA
	11/17/00	<0.0075	NA
	02/12/01	<0.0075	NA
	02/12/01	<0.0075	NA
	05/21/01	<0.0075	NA
	08/10/01	<0.0075	NA
	12/14/01	<0.0075	NA
	02/15/02	<0.0075	NA
	05/21/02	<0.0075	NA
	09/16/02	<0.0075	NA
	12/11/02	<0.0075	NA
	02/19/03	0.0013 J	NA
	05/09/03	0.0022 J	NA
	02/17/04	0.0022 J	NA
	05/11/04	<0.0010	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
	Layer A Wells		
3219	01/17/00	**0.75**	NA
	06/05/00	**0.87**	NA
	11/20/00	**1.8**	NA
	05/18/01	**3.4 J**	NA
	12/14/01	**3.6**	NA
	05/21/02	**2.7**	NA
	05/21/02	**3.0 J**	NA
	12/12/02	**1.9**	NA
	05/21/03	**1.4**	NA
	02/23/04	**0.48**	NA
3220	01/17/00	**2.9**	NA
	06/05/00	**3**	NA
	11/20/00	**3.1**	NA
	05/18/01	**0.27 J**	NA
	12/14/01	**2.8**	NA
	05/21/02	**2.6**	NA
	12/12/02	**2.3**	NA
	05/21/03	**2.2**	NA
	02/23/04	**2.4**	NA
3285	01/18/00	**0.032**	NA
	06/07/00	**0.047**	NA
	06/07/00	**0.046 J**	NA
	11/07/00	**0.042**	NA
	05/22/01	**0.033**	NA
	05/22/01	**0.034 J**	NA
	12/17/01	**0.043**	NA
	05/23/02	**0.053**	NA
	07/22/02	**0.046**	NA
	12/11/02	**0.063**	NA
	05/22/03	**0.053**	NA
3286	01/18/00	**4.6**	NA
	06/07/00	**4.8**	NA
	11/06/00	**4.8**	NA
	05/22/01	**4.8**	NA
	12/17/01	**5.8**	NA
	05/23/02	**5.7**	NA
	12/11/02	**6.1**	NA
	05/22/03	**5.5**	NA
3287	01/18/00	**0.035**	NA
	06/07/00	**0.021**	NA
	11/06/00	**0.023**	NA
	05/22/01	**0.022**	NA
	12/17/01	**0.031**	NA
	05/23/02	**0.024**	NA
	07/22/02	**0.02**	NA
	12/11/02	**0.03**	NA
	05/22/03	**0.022**	NA
3366	06/24/04	NA	<4.0
3367	06/24/04	NA	<4.0
3368	06/24/04	NA	<4.0
3374	01/25/00	<0.0075	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	**0.01**	**6**
	Layer A Wells		
3375	01/25/00	<0.0075	NA
3376	01/25/00	<0.0075	NA
3383	06/25/04	NA	<4.0
3384	06/25/04	NA	<4.0
3386	01/17/00	**0.13**	NA
	06/08/00	**0.087**	NA
	05/21/01	**0.12**	NA
	01/03/02	**0.13**	NA
	10/30/02	NA	<20
	12/18/02	**0.21**	NA
3387	01/17/00	**0.45**	NA
	06/06/00	**0.45**	NA
	11/30/00	**0.51**	NA
	05/21/01	**0.51**	NA
	01/03/02	**0.65**	NA
	10/30/02	NA	<4.0
	12/18/02	**0.66**	NA
	02/23/04	**0.76**	NA
3389	01/25/00	**0.019 J**	NA
	06/08/00	**0.019 J**	NA
	11/28/00	**0.019 J**	NA
	11/28/00	**0.019 J**	NA
	05/23/01	**0.018 J**	NA
	01/03/02	**0.021**	NA
	05/24/02	**0.023**	NA
	07/22/02	**0.018 J**	NA
	12/18/02	**0.02**	NA
	12/18/02	**0.021 J**	NA
	05/30/03	**0.028**	NA
	02/20/04	**0.022**	NA
	05/27/04	**0.023**	NA
3390	01/25/00	**0.024**	NA
	01/25/00	**0.023 J**	NA
	06/08/00	**0.014 J**	NA
	06/08/00	**0.012 J**	NA
	11/28/00	**0.019 J**	NA
	05/23/01	**0.017 J**	NA
	01/03/02	**0.015 J**	NA
	05/24/02	**0.016 J**	NA
	07/22/02	**0.014 J**	NA
	12/18/02	**0.012 J**	NA
	07/30/03	**0.012**	NA
	02/20/04	**0.011**	NA
	05/27/04	0.01	NA
	05/27/04	0.01	NA
3395	01/21/00	<0.0075	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	**0.01**	**6**
Layer A Wells			
3419	01/25/00	<0.0075	NA
	06/13/00	<0.0075	NA
	11/30/00	<0.0075	NA
	05/25/01	<0.0075	NA
	11/30/01	<0.0075	NA
	11/30/01	<0.0075	NA
	05/24/02	<0.0075	NA
	12/16/02	<0.0075	NA
	07/28/03	0.0037 J	NA
3420	01/25/00	**0.11**	NA
	06/13/00	**0.11**	NA
	11/29/00	**0.11**	NA
	05/25/01	**0.1**	NA
	11/30/01	**0.1**	NA
	05/24/02	**0.11**	NA
	12/16/02	**0.092**	NA
	05/29/03	**0.14**	NA
3466	11/20/00	<0.0075	NA
	12/05/01	<0.0075	NA
	12/17/02	<0.0075	NA
3486	01/07/03	**4.7**	NA
3487	12/03/01	<0.0075	NA
	12/03/01	<0.0075	NA
3499	12/01/00	<0.0075	NA
	12/05/01	<0.0075	NA
	12/13/02	<0.0075	NA
	04/21/04	<0.0010	NA
3503	11/22/00	<0.0075	NA
	02/20/03	<0.00050	NA
	02/20/04	<0.0010	NA
	06/24/04	NA	<4.0
3504	01/24/03	<0.0050	NA
	06/24/04	NA	**31**
3520	12/17/02	**0.61**	NA
3521	12/17/02	**0.028**	NA
	12/17/02	**0.027 J**	NA
3530	11/27/01	<0.0075	NA
3531	11/27/01	0.0099 J	NA
3626	10/09/02	<0.0075	<4.0
	11/05/03	<0.0010	<4.0
	12/04/03	<0.0010	<4.0
	05/26/04	<0.0010	<4.0
4012	01/28/00	**3.5**	NA
	04/15/00	**3**	NA
	07/22/00	**3.2**	NA
	10/07/00	**3.2**	NA
	01/06/01	**3.2**	NA
	04/19/01	**3**	NA
	07/07/01	**2.6**	NA
	10/17/01	**2.6**	NA
	01/28/02	**2.7**	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
Layer A Wells			
4012	01/28/02	**3.0 J**	NA
	04/29/02	**2.7**	NA
	09/16/02	**2.1**	NA
	02/03/03	**2.6**	NA
	04/04/03	**2.6**	NA
	08/04/03	**2.1**	NA
	10/21/03	**1.9**	NA
	10/21/03	**2.1**	NA
	01/30/04	**8.7**	NA
	04/22/04	**1.9**	NA
4013	01/28/00	**14**	NA
	01/28/00	**14 J**	NA
	04/15/00	**13**	NA
	07/22/00	**13**	NA
	10/07/00	**14**	NA
	01/06/01	**13**	NA
	04/19/01	**14**	NA
	04/19/01	**13 J**	NA
	07/07/01	**12**	NA
	10/17/01	**12**	NA
	10/17/01	**13 J**	NA
	01/28/02	**13**	NA
	04/29/02	**2.7**	NA
	09/16/02	**9**	NA
	10/11/02	**9.6**	NA
	10/11/02	**9.6 J**	NA
	02/03/03	**12**	NA
	04/04/03	**17**	NA
	04/04/03	**16**	NA
	08/04/03	**11**	NA
	10/21/03	**11**	NA
	01/30/04	**2**	NA
	04/22/04	**7.7**	NA
4100	01/28/00	**5.9**	NA
	04/15/00	**5.4**	NA
	07/23/00	**6.4**	NA
	10/07/00	**5.9**	NA
	01/06/01	**5.7**	NA
	04/15/01	**5.5**	NA
	04/15/01	**5.5 J**	NA
	07/07/01	**5**	NA
	10/17/01	**4.8**	NA
	01/28/02	**4.9**	NA
	04/29/02	**4.7**	NA
	09/16/02	**3.7**	NA
	10/11/02	**3.5**	NA
	02/03/03	**4.8**	NA
	02/03/03	**4.9 J**	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
	Layer A Wells		
4100	04/04/03	**5.5**	NA
	08/04/03	**4.1**	NA
	12/04/03	**3.8 J**	NA
	04/22/04	**3.4**	NA
4105	01/28/00	**7.5**	NA
	04/15/00	**3.8**	NA
	07/23/00	**9.5**	NA
	10/07/00	**7.2**	NA
	01/06/01	**8.3**	NA
	04/14/01	**7.8**	NA
	07/07/01	**6.3**	NA
	10/17/01	**5.2**	NA
	01/28/02	**4.8**	NA
	04/29/02	**4.3**	NA
	09/16/02	**3.6**	NA
	10/11/02	**3.5**	NA
	02/03/03	**5**	NA
	04/04/03	**5.4**	NA
	08/04/03	**4.2**	NA
	10/21/03	**3.4**	NA
	04/22/04	**3.3**	NA
4110	01/28/00	**16**	NA
	04/15/00	**18**	NA
	07/23/00	**19**	NA
	10/07/00	**17**	NA
	01/06/01	**14**	NA
	04/15/01	**15**	NA
	07/07/01	**13**	NA
	10/17/01	**13**	NA
	01/28/02	**11**	NA
	04/29/02	**12**	NA
	09/16/02	**9.9**	NA
	09/16/02	**9.2 J**	NA
	10/11/02	**9.9**	NA
	10/11/02	**11 J**	NA
	02/03/03	**14**	NA
	04/04/03	**14**	NA
	08/04/03	**10**	NA
	10/21/03	**9.5**	NA
	01/30/04	**8.6**	NA
	04/22/04	**7.8**	NA
4120	01/28/00	**17**	NA
	04/15/00	**16**	NA
	07/23/00	**18**	NA
	10/07/00	**19**	NA
	01/06/01	**21**	NA
	04/15/01	**20**	NA
	07/07/01	**17**	NA
	10/17/01	**17**	NA
	01/28/02	**18**	NA
	04/29/02	**16**	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
	Layer A Wells		
4120	09/16/02	**14**	NA
	09/16/02	**14 J**	NA
	10/11/02	**14**	NA
	02/03/03	**19**	NA
	04/04/03	**22**	NA
	08/04/03	**19**	NA
	10/21/03	**24**	NA
	01/30/04	**23**	NA
	04/22/04	**20**	NA
4125	01/28/00	**19**	NA
	04/15/00	**18**	NA
	07/23/00	**20**	NA
	07/23/00	**19 J**	NA
	10/07/00	**22**	NA
	01/06/01	**22**	NA
	01/06/01	**21 J**	NA
	04/19/01	**20**	NA
	07/07/01	**20**	NA
	10/17/01	**18**	NA
	01/28/02	**19**	NA
	04/29/02	**15**	NA
	09/16/02	**12**	NA
	10/11/02	**12**	NA
	02/03/03	**16**	NA
	04/04/03	**17**	NA
	08/04/03	**14**	NA
	10/21/03	**13**	NA
	01/30/04	**14**	NA
	04/22/04	**12**	NA
4130	01/28/00	**8.5**	NA
	04/15/00	**9.1**	NA
	07/23/00	**9.1**	NA
	10/07/00	**10**	NA
	01/06/01	**8.8**	NA
	01/06/01	**8.8 J**	NA
	04/19/01	**8**	NA
	07/07/01	**6.7**	NA
	10/17/01	**5.9**	NA
	01/28/02	**6.1**	NA
	04/29/02	**5.1**	NA
	09/16/02	**3.7**	NA
	10/11/02	**4.3**	NA
	10/11/02	**3.8 J**	NA
	02/03/03	**4.9**	NA
	04/04/03	**6.6**	NA
	08/04/03	**4.4**	NA
	10/21/03	**4.2**	NA
	01/30/04	**5.1**	NA
	04/22/04	**4.6**	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	0.01	6
	Layer A Wells		
4430	01/28/00	**0.71**	NA
	04/15/00	**0.63**	NA
	04/15/00	**0.64 J**	NA
	07/09/00	**0.59**	NA
	10/07/00	**0.49**	NA
	01/06/01	**0.64**	NA
	04/19/01	**0.56**	NA
	07/07/01	**0.54**	NA
	10/17/01	**0.45**	NA
	01/28/02	**0.54**	NA
	04/29/02	**0.52**	NA
	09/16/02	**0.43**	NA
	10/11/02	**0.47**	NA
	10/11/02	**0.44 J**	NA
	02/03/03	**0.44**	NA
	04/04/03	**0.63**	NA
	08/04/03	**0.41**	NA
	10/21/03	**0.37**	NA
	01/30/04	**0.7**	NA
	04/22/04	**0.65**	NA
4500	01/28/00	**7.2**	NA
	04/15/00	**8.7**	NA
	07/23/00	**7.6**	NA
	07/23/00	**7.9 J**	NA
	10/07/00	**7.4**	NA
	10/07/00	**7.5 J**	NA
	01/06/01	**5.9**	NA
	04/15/01	**6.1**	NA
	07/07/01	**5.7**	NA
	10/17/01	**5.3**	NA
	01/28/02	**6.6**	NA
	04/29/02	**6.1**	NA
	09/16/02	**5.2**	NA
	10/11/02	**4.9**	NA
	02/03/03	**6.6**	NA
	04/04/03	**9.2**	NA
	04/04/03	**8.4**	NA
	08/04/03	**5.8**	NA
	10/21/03	**5.2**	NA
	01/30/04	**3**	NA
	04/22/04	**2.6**	NA

TABLE D-6: Summary of N-Nitrosodimethylamine and Perchlorate Results January 2000 through June 2004 Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	NDMA (µg/l)	Perchlorate (µg/l)
	Action Level[1]:	**0.01**	**6**
Layer B Wells			
454	10/29/02	**0.23**	NA
	07/16/03	**0.26**	NA
	06/24/04	NA	**7.5**
455	07/16/03	**0.087**	NA
	06/24/04	NA	**9.5**
456	06/24/04	NA	<4.0
464	07/16/03	<0.00050	NA
	06/25/04	NA	<4.0
465	07/17/03	<0.00050	NA
	06/25/04	NA	<4.0
3396	01/21/00	<0.0075	NA
3414	01/21/00	<0.0075	NA
	06/12/00	<0.0075	NA
	06/12/00	<0.0075	NA
	11/28/00	<0.0075	NA
	05/23/01	<0.0075	NA
	11/30/01	<0.0075	NA
	05/29/02	<0.0075	NA
	12/16/02	<0.0075	NA
	07/28/03	<0.00050	NA
3505	01/24/03	<0.00050	NA
	06/24/04	NA	<4.0
Bedrock Wells			
483	01/20/00	<0.0075	NA
	06/08/00	<0.0075	NA
	11/27/00	<0.0075	NA
	05/24/01	<0.0075	NA
	05/24/01	<0.0075	NA
	11/27/01	<0.0075	NA
	05/28/02	<0.0075	NA
	01/06/03	<0.0050	NA
	01/06/03	<0.0050	NA
	05/20/03	<0.00050	NA
	05/20/03	<0.00050	NA
	02/16/04	<0.0010	NA
	06/07/04	<0.0010	NA
3467	12/03/01	<0.0075	NA
3412	01/26/00	<0.0075	NA

Notes:

1. California State Action Level for Drinking Water (Department of Health Services).
Results shown in bold exceed the Action Level.

Abbreviations:
NDMA = N-Nitrosodimethylamine
NA = Not analyzed
µg/l = micrograms per liter
J = Estimated concentration
< = less than

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	1.0	0.006	0.05	1.0	0.004	1.0[2]	0.005	0.05	0.05[3]	0.05[4]	1.3	0.3	0.015	none	0.05	none	0.010[4]	0.1	0.05	0.1	0.002	0.05[2]	5.0
Dredged Layer Wells																								
77	02/10/00	<0.050	<0.050	<0.020	0.0065	<0.00025	<0.010	<0.0010	0.0026	NA	<0.0020	<0.0015	0.21	<0.015	2.7	0.0024	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0093	<0.025
	05/08/00	<0.050	<0.050	<0.020	0.0066	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	0.0018	0.21	<0.015	2.6	0.0051	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0093	<0.025
	05/08/00	<0.050	<0.050	<0.020	0.0065 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.24 J	<0.015	2.6 J	0.0050 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0095 J	<0.025
	08/17/00	0.052	<0.050	<0.020	0.0065	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.2	<0.015	2.6	0.0015	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0084	<0.025
	11/10/00	<0.050	<0.050	<0.020	0.0063	<0.00025	<0.010	<0.0010	0.0021	NA	<0.0020	<0.0015	0.12	<0.015	2.7	<0.0012	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0085	<0.025
	02/07/01	<0.050	<0.050	<0.020	0.0066	<0.00025	<0.010	<0.0010	0.0022	NA	<0.0020	<0.0015	0.25	<0.015	2.6	0.0029	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0093	<0.025
	05/15/01	0.18	<0.050	<0.020	0.0072	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.37**	<0.015	2.6	0.014	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0089	<0.025
	05/15/01	0.057 J	<0.050	<0.020	0.0059 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.12 J	<0.015	2.4 J	0.0015 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0086 J	<0.025
	05/15/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	08/09/01	<0.050	<0.050	<0.020	0.006	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.16	<0.015	2.7	0.0015	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0074	<0.025
	11/08/01	<0.050	<0.050	<0.020	0.0065	<0.00025	<0.010	<0.0010	0.0021	NA	<0.0020	<0.0015	0.15	<0.015	2.8	0.0013	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0081	<0.025
	11/08/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	02/12/02	<0.050	<0.050	<0.020	0.0064	<0.00025	<0.010	<0.0010	0.0024	NA	<0.0020	<0.0015	**0.46**	<0.015	2.7	0.0058	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0089	<0.025
	05/17/02	<0.050	<0.050	<0.020	0.0067	<0.00025	<0.010	<0.0010	0.0037	NA	<0.0020	0.0028	0.28	<0.015	2.9	0.0038	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0081	<0.025
	05/17/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	08/08/02	<0.20	<0.20	<0.080	0.0074	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**0.3**	<0.060	3.3	<0.0050	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	0.0074	<0.10
	11/15/02	<0.20	<0.20	<0.080	0.0069	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	<0.30	<0.060	3.1	<0.0050	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	0.007	<0.10
	02/17/03	<0.050	<0.050	<0.020	0.0067	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.31**	<0.015	2.8	0.0027	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0076	<0.025
	02/17/03	<0.20	<0.20	<0.080	0.007	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**0.32**	<0.060	3	<0.0050	NA	<0.040	<0.020	NA	<0.020	<0.050	0.0069	<0.10
	05/08/03	<0.050	<0.050	<0.020	0.0058	<0.00025	<0.010	0.0011	<0.0020	NA	<0.0020	<0.0015	0.076	<0.015	2.7	<0.0012	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0064	<0.025
	05/08/03	<0.050	<0.050	<0.020	0.0059	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.19	<0.015	2.7	0.0013	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0066	<0.025
	05/08/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	08/05/03	<0.050	<0.050	<0.020	0.0068	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.48**	<0.015	3.1	0.0037	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0058	<0.025
	11/17/03	<0.050	<0.050	<0.020	0.0065	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	<0.075	<0.015	2.9	0.0019	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0072	<0.025
	11/17/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	02/09/04	<0.050	<0.050	<0.020	0.0065	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.13	<0.015	2.8	0.0038	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0077	<0.025
	05/26/04	<0.050	<0.050	<0.020	0.0059	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.16	<0.015	2.9	0.0025	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0054	<0.025
90	02/11/00	0.7	<0.050	<0.020	0.018	<0.00025	0.017	<0.0010	0.0021	NA	<0.0020	<0.0015	**1.1**	<0.015	6.9	0.012	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0047	<0.025
	05/10/00	<0.050	<0.050	<0.020	0.018	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.62**	<0.015	8.6	0.0073	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0026	<0.025
	08/18/00	<0.050	<0.050	<0.020	0.022	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.32**	<0.015	10	0.0083	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0024	<0.025
	08/18/00	<0.050	<0.050	<0.020	0.022 J	<0.00025	0.019 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.31 J**	<0.015	10 J	0.0083 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0026 J	<0.025
	11/07/00	<0.050	<0.050	<0.020	0.02	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.5**	<0.015	9.1	0.023	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0029	<0.025
	02/06/01	0.076	<0.050	<0.020	0.018	<0.00025	0.021	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.39**	<0.015	8.1	0.0085	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0035	<0.025
Dredged Layer Wells																								
90	05/11/01	0.086	<0.050	<0.020	0.015	<0.00025	0.02	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.64**	<0.015	6.8	0.0067	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0034	<0.025
	08/08/01	<0.050	<0.050	<0.020	0.017	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.66**	<0.015	8.2	0.0077	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0025	<0.025
	11/07/01	0.072	<0.050	<0.020	0.02	<0.00025	0.021	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.63**	<0.015	9.1	0.017	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
	11/07/01	0.076 J	<0.050	<0.020	0.020 J	<0.00025	0.020 J	<0.0010	<0.0020	NA	<0.0020	0.0018 J	**0.64 J**	<0.015	9.1 J	0.017 J	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0032 J	<0.025
	02/12/02	0.082	<0.050	<0.020	0.014	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	0.0016	**2.2**	<0.015	6	0.017	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0031	<0.025

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	**1.0**	**0.006**	**0.05**	**1.0**	**0.004**	**1.0[2]**	**0.005**	**0.05**	**0.05[3]**	**0.05[4]**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**0.010[4]**	**0.1**	**0.05**	**0.1**	**0.002**	**0.05[2]**	**5.0**
	05/16/02	0.085	<0.050	<0.020	0.015	<0.00025	0.02	<0.0010	0.0051	NA	<0.0020	0.0026	**0.71**	<0.015	6.7	0.0052	<0.00020	<0.010	0.0057	<0.0020	<0.0050	<0.012	0.0034	<0.025
	08/06/02	<0.20	<0.20	<0.080	0.018	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**1.1**	<0.060	8.2	0.01	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	08/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	11/15/02	<0.20	<0.20	<0.080	0.021	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**1.1**	<0.060	9.3	0.017	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	02/14/03	0.53	<0.050	<0.020	0.02	<0.00025	0.017	<0.0010	0.0031	NA	<0.0020	<0.0015	**1.1**	<0.015	7.6	0.011	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0043	<0.025
	05/07/03	0.11	<0.050	<0.020	0.016	<0.00025	0.017	<0.0010	0.0028	NA	<0.0020	<0.0015	**0.54**	<0.015	7	0.0056	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0036	<0.025
	05/07/03	0.17	<0.050	<0.020	0.016	<0.00025	0.015	<0.0010	0.0029	NA	<0.0020	<0.0015	**0.57**	<0.015	7.2	0.0059	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0034	<0.025
	08/06/03	<0.050	<0.050	<0.020	0.018	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.22	<0.015	8.4	0.0056	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0029	<0.025
	08/06/03	<0.050	<0.050	<0.020	0.018	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.2	<0.015	8.3	0.0053	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.003	<0.025
	11/17/03	<0.050	<0.050	<0.020	0.022	<0.00025	0.017	<0.0010	<0.0020	NA	<0.0020	0.0016	0.24	<0.015	9.7	0.0075	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0029	<0.025
	02/09/04	<0.050	<0.050	<0.020	0.019	<0.00025	0.018	<0.0010	0.0022	NA	<0.0020	<0.0015	**0.31**	<0.015	8.3	0.0045	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.003	<0.025
	05/25/04	<0.050	<0.050	<0.020	0.019	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.96**	<0.015	9	0.0081	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
3185	02/14/00	0.27	<0.050	<0.020	0.015	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.58**	<0.015	5.4	0.0082	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0021	<0.025
	02/14/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	<0.0020	NA	NA	NA	NA
	05/08/00	<0.050	<0.050	<0.020	0.013	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.28	<0.015	4.5	0.0073	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0016	<0.025
	08/17/00	<0.050	<0.050	<0.020	0.013	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.37**	<0.015	4.9	0.0094	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0019	<0.025
	08/17/00	<0.050	<0.050	<0.020	0.013 J	<0.00025	0.018 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.33 J**	<0.015	4.8 J	0.0089 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0017 J	<0.025
	11/10/00	<0.050	<0.050	<0.020	0.013	<0.00025	0.016	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.27	<0.015	4.8	0.0069	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.002	<0.025
	02/06/01	<0.050	<0.050	<0.020	0.015	<0.00025	0.017	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.64**	<0.015	5.4	0.015	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0022	<0.025
	05/14/01	<0.050	<0.050	<0.020	0.013	<0.00025	0.017	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.36**	<0.015	4.8	0.007	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	08/07/01	<0.050	<0.050	<0.020	0.013	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.45**	<0.015	5	0.0082	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0016	<0.025
	11/07/01	<0.050	<0.050	<0.020	0.015	<0.00025	0.017	<0.0010	<0.0020	NA	<0.0020	0.0016	0.19	<0.015	5.5	0.0078	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0018	<0.025
	11/07/01	<0.050	<0.050	<0.020	0.015 J	<0.00025	0.018 J	<0.0010	<0.0020	NA	<0.0020	0.0016 J	0.28 J	<0.015	5.6 J	0.0083 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0020 J	<0.025
	02/12/02	<0.050	<0.050	<0.020	0.013	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	0.0017	**0.48**	<0.015	4.9	0.012	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	<0.0015	<0.025
	05/16/02	<0.050	<0.050	<0.020	0.013	<0.00025	0.016	<0.0010	0.0021	NA	<0.0020	0.0021	**0.44**	<0.015	5.1	0.012	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0017	<0.025
	05/16/02	0.091 J	<0.050	<0.020	0.014 J	<0.00025	0.017 J	<0.0010	0.0027 J	NA	<0.0020	0.0015 J	**0.49 J**	<0.015	5.1 J	0.0098 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0016 J	<0.025
	08/09/02	<0.20	<0.20	<0.080	0.014	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**0.55**	<0.060	5.1	0.013	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/18/02	<0.20	<0.20	<0.080	0.016	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**0.49**	<0.060	5.9	0.021	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
Dredged Layer Wells																								
3185	02/17/03	0.062	<0.050	<0.020	0.014	<0.00025	0.017	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.1**	<0.015	5.1	0.017	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0015	<0.025
	05/07/03	0.13	<0.050	<0.020	0.013	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	0.0017	**0.31**	<0.015	4.6	0.0075	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0021	<0.025
	08/07/03	<0.050	<0.050	<0.020	0.013	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.51**	<0.015	4.8	0.012	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0017	<0.025
	08/07/03	<0.050	<0.050	<0.020	0.012	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.46**	<0.015	4.7	0.011	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0015	<0.025
	08/07/03	<0.050	<0.050	<0.020	0.013	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.49**	<0.015	4.7	0.012	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0015	<0.025
	11/17/03	<0.050	<0.050	<0.020	0.015	<0.00025	0.017	<0.0010	<0.0020	NA	<0.0020	<0.0015	0.27	<0.015	5.6	0.012	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0016	<0.025
	11/17/03	<0.050	<0.050	<0.020	0.015	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.34**	<0.015	5.6	0.014	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0018	<0.025
	02/05/04	0.088	<0.050	<0.020	0.014	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.42**	<0.015	5.2	0.014	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0017	<0.025
	02/05/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	05/26/04	<0.050	<0.050	<0.020	0.012	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.44**	<0.015	4.8	0.01	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0017	<0.025
	05/26/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	**1.0**	**0.006**	**0.05**	**1.0**	**0.004**	**1.0[2]**	**0.005**	**0.05**	**0.05[3]**	**0.05[4]**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**0.010[4]**	**0.1**	**0.05**	**0.1**	**0.002**	**0.05[2]**	**5.0**
3186	02/11/00	<0.050	<0.050	<0.020	0.0099	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.74**	<0.015	7.8	0.039	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0041	<0.025
	05/08/00	<0.050	<0.050	<0.020	0.011	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1**	<0.015	8.3	0.043	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0042	<0.025
	08/18/00	<0.050	<0.050	<0.020	0.01	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.86**	<0.015	7.7	0.044	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0044	<0.025
	08/18/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	11/07/00	<0.050	<0.050	<0.020	0.0098	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.2**	<0.015	7.2	**0.05**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0043	<0.025
	11/07/00	<0.050	<0.050	<0.020	0.0099 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.3 J**	<0.015	7.3 J	**0.052 J**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0045 J	<0.025
	02/07/01	0.087	<0.050	<0.020	0.01	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.2**	<0.015	7.4	**0.06**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0045	<0.025
	05/14/01	<0.050	<0.050	<0.020	0.011	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.2**	<0.015	7.9	**0.059**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0035	<0.025
	08/09/01	<0.050	<0.050	<0.020	0.01	<0.00025	0.011	<0.0010	<0.0020	NA	<0.0020	0.0018	**0.74**	<0.015	7.6	0.039	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0038	<0.025
	08/09/01	<0.050	<0.050	<0.020	0.010 J	<0.00025	0.011 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.80 J**	<0.015	7.5 J	0.039 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0040 J	<0.025
	08/09/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	11/07/01	<0.050	<0.050	<0.020	0.01	<0.00025	0.011	<0.0010	<0.0020	NA	<0.0020	0.0025	**0.93**	<0.015	7.2	**0.058**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0043	<0.025
	02/12/02	<0.050	<0.050	<0.020	0.0099	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	0.0015	**1.1**	<0.015	7.1	0.043	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0037	<0.025
	05/16/02	<0.050	<0.050	<0.020	0.011	<0.00025	0.012	<0.0010	0.0033	NA	<0.0020	<0.0015	**1.1**	<0.015	7.7	0.042	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0039	<0.025
	08/08/02	<0.20	<0.20	<0.080	0.011	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**1.2**	<0.060	7.4	**0.055**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	08/08/02	<0.20	<0.20	<0.080	0.011 J	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**1.2 J**	<0.060	7.4 J	0.034 J	NA	<0.040	<0.020	NA	<0.020	<0.050	<0.0060	<0.10
	11/18/02	<0.20	<0.20	<0.080	0.012	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**2.6**	<0.060	7.3	**0.055**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/18/02	<0.20	<0.20	<0.080	0.011 J	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**2.5 J**	<0.060	7.2 J	0.048 J	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/18/02	<0.20	<0.20	<0.080	0.013 J	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**2.7 J**	<0.060	7.2 J	**0.056 J**	NA	<0.040	<0.020	NA	<0.020	<0.050	<0.0060	<0.10
	02/17/03	<0.050	<0.050	<0.020	0.01	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.3**	<0.015	7.4	0.034	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0035	<0.025
	02/17/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	05/08/03	<0.050	<0.050	<0.020	0.011	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.83**	<0.015	7.4	0.034	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0041	<0.025
Dredged Layer Wells																								
3186	08/06/03	<0.050	<0.050	<0.020	0.01	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.1**	<0.015	7.2	0.026	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0039	<0.025
	11/17/03	<0.050	<0.050	<0.020	0.011	<0.00025	0.011	<0.0010	<0.0020	NA	<0.0020	<0.0015	**2.4**	<0.015	7.4	0.044	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0046	<0.025
	11/17/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	02/05/04	<0.050	<0.050	<0.020	0.012	<0.00025	0.011	<0.0010	<0.0020	NA	<0.0020	<0.0015	**2.7**	<0.015	7.6	**0.062**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0041	<0.025
	05/25/04	<0.050	<0.050	<0.020	0.011	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.76**	<0.015	7.8	0.033	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0036	<0.025
3187	02/09/00	<0.050	<0.050	<0.020	0.027	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.3**	<0.015	12	**0.06**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0026	<0.025
	02/09/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	02/09/00	<0.050	<0.050	<0.020	0.026 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.7 J**	<0.015	12 J	**0.064 J**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0030 J	<0.025
	05/09/00	<0.078	<0.078	<0.031	0.027	<0.00039	<0.016	<0.0016	<0.0031	NA	<0.0031	<0.0023	**1.2**	<0.023	12	0.04	<0.00020	<0.016	<0.0078	<0.0020	<0.0078	<0.020	0.0026	<0.039
	05/09/00	<0.050	<0.050	<0.020	0.027 J	<0.00025	0.010 J	<0.0010	<0.0020	NA	<0.0020	0.0025 J	**1.2 J**	<0.015	12 J	0.040 J	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0027 J	<0.025
	08/18/00	<0.050	<0.050	<0.020	0.024	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.6**	<0.015	11	0.044	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
	08/18/00	<0.050	<0.050	<0.020	0.024 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.6 J**	<0.015	10 J	0.044 J	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0030 J	<0.025
	11/09/00	<0.050	<0.050	<0.020	0.024	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.3**	<0.015	10	**0.058**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0032	<0.025
	02/06/01	<0.050	<0.050	<0.020	0.023	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.2**	<0.015	10	0.048	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0033	<0.025
	05/15/01	<0.050	<0.050	<0.020	0.022	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.2**	<0.015	9.6	0.044	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0024	<0.025
	05/15/01	<0.050	<0.050	<0.020	0.022 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	0.0018 J	**1.3 J**	<0.015	9.5 J	0.044 J	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0030 J	<0.025
	08/07/01	<0.050	<0.050	<0.020	0.023	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.99**	<0.015	10	**0.057**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.003	<0.025

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	**1.0**	**0.006**	**0.05**	**1.0**	**0.004**	**1.0[2]**	**0.005**	**0.05**	**0.05[3]**	**0.05[4]**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**0.010[4]**	**0.1**	**0.05**	**0.1**	**0.002**	**0.05[2]**	**5.0**
	11/07/01	<0.050	<0.050	<0.020	0.026	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.87**	<0.015	11	**0.056**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0033	<0.025
	02/12/02	<0.050	<0.050	<0.020	0.023	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	0.0021	**1.7**	<0.015	10	**0.052**	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0032	<0.025
	02/12/02	<0.050	<0.050	<0.020	0.024 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.7 J**	<0.015	10 J	**0.054 J**	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0031 J	<0.025
	05/16/02	0.25	<0.050	<0.020	0.026	<0.00025	0.011	<0.0010	0.0063	NA	<0.0020	0.0021	**2.6**	<0.015	11	**0.064**	<0.00020	<0.010	0.0083	<0.0020	<0.0050	<0.012	0.0036	<0.025
	08/07/02	<0.20	<0.20	<0.080	0.027	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**1.4**	<0.060	11	**0.069**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/18/02	<0.20	<0.20	<0.080	0.03	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**0.84**	<0.060	14	**0.062**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/18/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	02/18/03	<0.050	<0.050	<0.020	0.024	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.66**	<0.015	10	0.029	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
	02/18/03	<0.050	<0.050	<0.020	0.024	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.68**	<0.015	11	0.03	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0031	<0.025
	05/07/03	<0.050	<0.050	<0.020	0.022	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.65**	<0.015	9.8	0.028	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0036	<0.025
	08/07/03	<0.050	<0.050	<0.020	0.023	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.8**	<0.015	11	0.036	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
	11/14/03	<0.050	<0.050	<0.020	0.029	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.8**	<0.015	16	0.046	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0035	<0.025
	02/05/04	<0.050	<0.050	<0.020	0.027	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.38**	<0.015	13	0.023	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0032	<0.025
	02/05/04	<0.050	<0.050	<0.020	0.027	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.44**	<0.015	13	0.023	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0032	<0.025
	05/25/04	<0.050	<0.050	<0.020	0.024	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.83**	<0.015	11	0.027	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium 6+ (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	1.0	0.006	0.05	1.0	0.004	1.0[2]	0.005	0.05	0.05[3]	0.05[4]	1.3	0.3	0.015	none	0.05	none	0.010[4]	0.1	0.05	0.1	0.002	0.05[2]	5.0
Dredged Layer Wells																								
3284	02/07/00	**3.7**	<0.050	<0.020	0.072	<0.00025	0.024	<0.0010	0.0093	NA	0.0035	0.0065	**98**	<0.015	8.2	**0.37**	<0.00020	<0.010	0.0069	<0.0020 *	<0.0050	<0.012	0.016	<0.025
	05/09/00	0.2	<0.050	<0.020	0.033	<0.00025	0.016	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.38**	<0.015	11	0.021	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0021	<0.025
	08/16/00	0.096	<0.050	<0.020	0.03	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.33**	<0.015	10	0.026	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0021	<0.025
	11/06/00	0.058	<0.050	<0.020	0.027	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.38**	<0.015	9.3	0.032	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0022	<0.025
	11/06/00	0.056 J	<0.050	<0.020	0.027 J	<0.00025	0.017 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.38 J**	<0.015	9.3 J	0.032 J	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0023 J	<0.025
	02/06/01	0.31	<0.050	<0.020	0.03	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**5.9**	<0.015	9	**0.15**	<0.00020	<0.010	0.0061	<0.0020	<0.0050	<0.012	0.0033	<0.025
	02/06/01	0.19 J	<0.050	<0.020	0.029 J	<0.00025	0.018 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**5.1 J**	<0.015	8.8 J	**0.15 J**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0029 J	<0.025
	02/06/01	0.16 J	<0.050	<0.020	0.029 J	<0.00025	0.018 J	<0.0010	<0.0020	NA	<0.0020	0.0023 J	**4.9 J**	<0.015	8.7 J	**0.15 J**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0029 J	<0.025
	05/14/01	<0.050	<0.050	<0.020	0.027	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.51**	<0.015	9.8	0.03	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/14/01	<0.050	<0.050	<0.020	0.028 J	<0.00025	0.019 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**0.50 J**	<0.015	9.8 J	0.030 J	<0.00020	<0.010	<0.0050	NA	<0.0050	<0.012	0.0018 J	<0.025
	08/09/01	0.17	<0.050	<0.020	0.03	<0.00025	0.015	<0.0010	<0.0020	NA	<0.0020	<0.0015	**5**	<0.015	10	**0.086**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0025	<0.025
	11/06/01	0.22	<0.050	<0.020	0.031	<0.00025	0.019	<0.0010	<0.0020	NA	<0.0020	0.0015	**5.7**	<0.015	10	**0.13**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0036	<0.025
	02/12/02	**14**	<0.20	<0.080	0.21	<0.0010	<0.040	<0.0040	**0.06**	NA	0.013	0.025	**360**	<0.060	13	**1.2**	NA	<0.040	0.042	NA	<0.020	<0.050	0.045	<0.10
	02/12/02	**13**	<0.050	<0.020	0.2	0.00045	0.025	<0.0010	**0.056**	NA	0.012	0.018	**340**	<0.015	13	**1.1**	<0.00020	<0.010	0.04	<0.0050	<0.0050	<0.012	0.043	0.034
	02/12/02	**13 J**	<0.20	<0.080	0.22 J	<0.0010	<0.040	<0.0040	**0.055 J**	NA	0.016 J	0.025 J	**370 J**	<0.060	13 J	**1.2 J**	NA	<0.040	0.034 J	NA	<0.020	<0.050	0.046 J	<0.10
	02/12/02	**12 J**	<0.050	<0.020	0.21 J	0.00045 J	0.022 J	<0.0010	0.049 J	NA	0.013 J	0.016 J	**350 J**	<0.015	13 J	**1.1 J**	<0.00020	<0.010	0.036 J	<0.0050	<0.0050	<0.012	0.045 J	0.033 J
	05/15/02	0.08	<0.050	<0.020	0.034	<0.00025	0.02	<0.0010	0.0021	NA	<0.0020	0.0017	**3.6**	<0.015	12	**0.17**	<0.00020	<0.010	0.0056	<0.0020 *	<0.0050	<0.012	<0.0015	<0.025
	08/06/02	<0.20	<0.20	<0.080	0.032	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**1.8**	<0.060	11	**0.14**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/12/02	**38**	<0.20	<0.080	0.28	<0.0010	<0.040	<0.0040	**0.097**	NA	0.02	0.047	**110**	<0.060	21	**1.4**	0.0002	<0.040	0.076	<0.0020	<0.020	<0.050	**0.11**	<0.10
	11/12/02	**40 J**	<0.20	<0.080	0.27 J	<0.0010	<0.040	<0.0040	**0.097 J**	NA	0.020 J	0.047 J	**110 J**	<0.060	21 J	**1.4 J**	NA	<0.040	0.070 J	NA	<0.020	<0.050	**0.11 J**	<0.10
	03/06/03	**4.7**	<0.050	<0.020	0.072	<0.00025	0.018	<0.0010	0.013	NA	0.0029	0.0077	**19**	<0.015	13	**0.43**	<0.00020	<0.010	0.0088	<0.0020	<0.0050	<0.012	0.02	<0.025
	03/06/03	**3.4**	<0.050	<0.020	0.057	<0.00025	0.018	<0.0010	0.0091	NA	0.0021	0.0049	**14**	<0.015	13	**0.4**	0.00042	<0.010	0.0062	<0.0020	<0.0050	<0.012	0.013	<0.025
	03/06/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	05/06/03	0.84	<0.050	<0.020	0.037	<0.00025	0.019	<0.0010	0.0027	NA	<0.0020	<0.0015	**5**	<0.015	11	**0.34**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.005	<0.025
	08/11/03	0.86	<0.050	<0.020	0.039	<0.00025	0.021	<0.0010	0.0026	NA	<0.0020	0.0016	**9.9**	<0.015	12	**0.34**	<0.00020	<0.010	0.0056	<0.0020	<0.0050	<0.012	0.0055	<0.025
	08/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	11/11/03	**1.3**	<0.050	<0.020	0.048	<0.00025	0.02	<0.0010	0.0048	NA	<0.0020	0.0028	**12**	<0.015	13	**0.41**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0084	<0.025
	02/10/04	0.055	<0.050	<0.020	0.041	<0.00025	0.02	<0.0010	<0.0020	NA	<0.0020	<0.0015	**2.8**	<0.015	15	**0.5**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0018	<0.025
	02/10/04	0.057	<0.050	<0.020	0.041	<0.00025	0.018	<0.0010	<0.0020	NA	<0.0020	<0.0015	**2.8**	<0.015	15	**0.5**	NA	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0016	<0.025
	05/24/04	**1.4**	<0.050	<0.020	0.046	<0.00025	0.02	<0.0010	0.0059	NA	0.0026	0.0022	**31**	<0.015	12	**0.41**	<0.00020	<0.010	0.0076	<0.0020	<0.0050	<0.012	0.0019	<0.025

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	1.0	0.006	0.05	1.0	0.004	1.0[2]	0.005	0.05	0.05[3]	0.05[4]	1.3	0.3	0.015	none	0.05	none	0.010[4]	0.1	0.05	0.1	0.002	0.05[2]	5.0
Layer A Wells																								
78	02/08/00	0.7	<0.050	<0.020	0.5	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**78**	<0.015	14	**0.25**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	<0.0015	<0.025
	05/09/00	0.1	<0.050	<0.020	0.26	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**12**	<0.015	13	**0.17**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/09/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	08/16/00	0.34	<0.050	<0.020	0.33	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**11**	<0.015	13	**0.11**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0018	<0.025
	11/07/00	<0.050	<0.050	<0.020	0.31	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.9**	<0.015	13	**0.082**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0015	<0.025
	02/06/01	0.22	<0.050	<0.020	0.31	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**16**	<0.015	13	**0.13**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/10/01	0.22	<0.050	<0.020	0.34	<0.00025	0.01	<0.0010	<0.0020	NA	<0.0020	<0.0015	**17**	<0.015	13	**0.12**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	08/09/01	0.32	<0.050	<0.020	0.32	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**12**	<0.015	13	**0.11**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0018	<0.025
	08/09/01	0.31 J	<0.050	<0.020	0.32 J	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	0.0020 J	**12 J**	<0.015	14 J	**0.11 J**	NA	<0.010	<0.0050	NA	<0.0050	<0.012	<0.0015	<0.025
	11/05/01	**1.1**	<0.050	<0.020	0.36	<0.00025	<0.010	<0.0010	0.0021	NA	<0.0020	0.0017	**35**	<0.015	14	**0.25**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0065	<0.025
	02/12/02	0.42	<0.050	<0.020	0.34	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	0.0019	**32**	<0.015	13	**0.17**	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	<0.0015	<0.025
	02/12/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	05/14/02	0.14	<0.050	<0.020	0.28	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	0.0036	**17**	<0.015	13	**0.16**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/14/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	08/05/02	<0.20	<0.20	<0.080	0.3	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**9.2**	<0.060	13	**0.17**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/14/02	<0.20	<0.20	<0.080	0.19	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**20**	<0.060	12	**0.42**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	02/13/03	0.08	<0.050	<0.020	0.15	<0.00025	<0.010	0.0011	<0.0020	NA	<0.0020	<0.0015	**23**	<0.015	11	**0.27**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	02/13/03	0.092	<0.050	<0.020	0.17	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**22**	<0.015	12	**0.25**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/06/03	<0.050	<0.050	<0.020	0.11	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**19**	<0.015	12	**0.33**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	08/06/03	0.2	<0.050	<0.020	0.26	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**18**	<0.015	12	**0.22**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	11/14/03	0.63	<0.050	<0.020	0.31	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**56**	<0.015	12	**0.43**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.011	<0.025
	11/14/03	0.62	<0.050	<0.020	0.31	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**56**	<0.015	12	**0.44**	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.012	<0.025
	02/05/04	0.65	<0.050	<0.020	0.45	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**57**	<0.015	13	**0.21**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.011	<0.025
	05/24/04	0.74	<0.050	<0.020	0.37	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**44**	<0.015	12	**0.22**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
79	10/29/02	NA	NA	<0.002[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002[5]	NA	NA	NA	NA	<0.005[5]	NA	NA	NA	NA	NA
449	02/08/00	0.081	<0.050	<0.020	0.026	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**8.3**	<0.015	18	**0.64**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0023	<0.025
	02/08/00	0.068 J	<0.050	<0.020	0.026 J	<0.00025	0.012 J	<0.0010	<0.0020	NA	0.0043 J	0.0020 J	**19 J**	<0.015	18 J	**0.85 J**	<0.00020	<0.010	0.0075 J	<0.0020 *	<0.0050	<0.012	0.0033 J	<0.025
	05/08/00	0.05	<0.050	<0.020	0.029	<0.00025	0.013	<0.0010	<0.0020	NA	<0.0020	0.0015	**12**	<0.015	18	**1.5**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0023	<0.025
	08/16/00	**1.9**	<0.050	<0.020	0.041	<0.00025	0.01	<0.0010	0.011	NA	0.011	0.012	**25**	<0.015	19	**1.4**	<0.00020	<0.010	0.026	<0.0020	<0.0050	<0.012	0.017	<0.025
	08/16/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	11/09/00	0.92	<0.050	<0.020	0.035	<0.00025	<0.010	<0.0010	0.0057	NA	0.0053	0.0063	**18**	<0.015	18	**1.4**	<0.00020	<0.010	0.014	<0.0020	<0.0050	<0.012	0.012	<0.025
	02/05/01	<0.050	<0.050	<0.020	0.025	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	0.0017	**8.7**	<0.015	16	**0.21**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.003	<0.025
	05/10/01	0.6	<0.050	<0.020	0.036	<0.00025	0.011	<0.0010	0.004	NA	0.005	0.0042	**26**	<0.015	19	**1.7**	<0.00020	<0.010	0.011	<0.0020	<0.0050	<0.012	0.0074	<0.025
Layer A Wells																								
449	08/09/01	<0.050	<0.050	<0.020	0.026	<0.00025	0.012	<0.0010	<0.0020	NA	0.003	0.0024	**12**	<0.015	18	**0.82**	<0.00020	<0.010	0.0072	<0.0020	<0.0050	<0.012	0.0029	<0.025
	11/05/01	0.4	<0.050	<0.020	0.033	<0.00025	0.013	<0.0010	0.0043	NA	0.0053	0.0025	**25**	<0.015	20	**1.8**	<0.00020	<0.010	0.011	<0.0020	<0.0050	<0.012	0.008	<0.025
	02/12/02	<0.050	<0.050	<0.020	0.027	<0.00025	0.012	<0.0010	<0.0020	NA	0.0023	0.003	**7.5**	<0.015	20	**1.5**	<0.00020	<0.010	0.0051	<0.0050	<0.0050	<0.012	0.0021	<0.025
	05/15/02	<0.050	<0.050	<0.020	0.026	<0.00025	0.012	<0.0010	<0.0020	NA	0.0029	0.0068	**7.5**	<0.015	18	**0.94**	<0.00020	<0.010	0.0094	<0.0020 *	<0.0050	<0.012	<0.0015	<0.025
	08/05/02	<0.20	<0.20	<0.080	0.028	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**9.2**	<0.060	17	**0.23**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	**1.0**	**0.006**	**0.05**	**1.0**	**0.004**	**1.0[2]**	**0.005**	**0.05**	**0.05[3]**	**0.05[4]**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**0.010[4]**	**0.1**	**0.05**	**0.1**	**0.002**	**0.05[2]**	**5.0**
	11/14/02	0.7	<0.20	<0.080	0.034	<0.0010	<0.040	<0.0040	<0.0080	NA	0.012	0.0078	**34**	<0.060	20	**1.5**	<0.00020	<0.040	0.024	<0.0020	<0.020	<0.050	0.013	<0.10
	02/14/03	0.24	<0.050	<0.020	0.037	<0.00025	0.011	<0.0010	<0.0020	NA	0.005	<0.0015	**23**	<0.015	21	**1.9**	<0.00020	<0.010	0.0071	<0.0020	<0.0050	<0.012	0.0054	<0.025
	05/06/03	<0.050	<0.050	<0.020	0.033	<0.00025	0.01	<0.0010	<0.0020	NA	0.0042	<0.0015	**17**	<0.015	20	**1.8**	<0.00020	<0.010	0.0057	<0.0020	<0.0050	<0.012	0.0025	<0.025
	08/11/03	0.096	<0.050	<0.020	0.039	<0.00025	0.012	<0.0010	<0.0020	NA	0.0034	<0.0015	**28**	<0.015	22	**2.1**	<0.00020	<0.010	0.0067	<0.0020	<0.0050	<0.012	0.0046	<0.025
	08/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	11/13/03	0.068	<0.050	<0.020	0.036	<0.00025	0.011	<0.0010	<0.0020	NA	0.0027	<0.0015	**16**	<0.015	22	**2.1**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.005	<0.025
	02/06/04	<0.050	<0.050	<0.020	0.039	<0.00025	0.012	0.0011	<0.0020	NA	0.0031	<0.0015	**11**	<0.015	23	**2.2**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0033	<0.025
	05/24/04	0.059	<0.050	<0.020	0.042	<0.00025	0.014	<0.0010	<0.0020	NA	0.0028	<0.0015	**26**	<0.015	24	**2.4**	<0.00020	<0.010	0.006	<0.0020	<0.0050	<0.012	<0.0015	<0.025
451	02/07/00	**11**	<0.050	<0.020	0.27	0.00062	0.014	<0.0010	0.0046	NA	0.016	0.0069	**48**	<0.015	19	**0.99**	<0.00020	<0.010	0.013	<0.0020 *	<0.0050	<0.012	0.025	0.034
	05/09/00	**5.9**	<0.050	<0.020	0.098	<0.00025	0.011	<0.0010	<0.0020	NA	0.0034	0.0032	**15**	<0.015	20	**0.48**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.012	<0.025
	05/09/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	08/01/00	**29**	<0.050	<0.020	0.29	0.00085	<0.010	<0.0010	0.0063	NA	0.024	0.014	**51**	**0.016**	20	**1.1**	<0.00020	<0.010	0.023	<0.0020	<0.0050	<0.012	0.035	0.085
	08/01/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	11/06/00	**95**	<0.050	<0.020	0.63	0.0031	<0.010	0.0032	0.019	NA	**0.098**	0.048	**130**	**0.034**	32	**1.6**	<0.00020	<0.010	0.091	<0.0020	<0.0050	<0.012	**0.14**	0.24
	02/06/01	**5.8**	<0.050	<0.020	0.14	<0.00025	0.01	<0.0010	0.0028	NA	0.0091	0.0032	**37**	<0.015	17	**0.77**	<0.00020	<0.010	0.008	<0.0020	<0.0050	<0.012	0.012	<0.025
	05/11/01	**1.9**	<0.050	<0.020	0.1	<0.00025	0.01	<0.0010	<0.0020	NA	0.0047	0.0019	**14**	<0.015	16	**0.37**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0062	<0.025
	08/10/01	**180**	<0.050	**0.059**	**1.5**	**0.0053**	<0.010	0.0027	**0.05**	NA	**0.18**	0.084	**360**	**0.035**	44	**4.4**	<0.00020	<0.010	**0.16**	<0.0020	<0.0050	<0.012	**0.25**	0.49
	11/05/01	**78**	<0.050	0.04	**1.4**	**0.0044**	0.01	0.0014	0.022	NA	**0.11**	0.04	**220**	**0.024**	36	**3.2**	<0.00020	<0.010	0.078	<0.0020	<0.0050	<0.012	**0.16**	0.25
	02/12/02	0.14	<0.050	<0.020	0.067	<0.00025	0.011	<0.0010	<0.0020	NA	<0.0020	0.0022	**5.2**	<0.015	15	**0.59**	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0023	<0.025
	05/14/02	**1.7**	<0.20	<0.080	0.096	<0.0010	<0.040	<0.0040	0.0082	NA	<0.0080	<0.0060	**13**	<0.060	15	**0.59**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	05/14/02	**1.8 J**	<0.050	<0.020	0.10 J	<0.00025	0.012 J	<0.0010	0.0083 J	NA	0.0031 J	0.0026 J	**14 J**	<0.015	15 J	**0.61 J**	<0.00020	<0.010	0.012 J	<0.0020	<0.0050	<0.012	0.0047 J	<0.025
	05/14/02	**1.6 J**	<0.050	<0.020	0.097 J	<0.00025	0.013 J	<0.0010	0.0069 J	NA	0.0032 J	0.0024 J	**13 J**	<0.015	14 J	**0.58 J**	NA	<0.010	0.010 J	NA	<0.0050	<0.012	0.0044 J	<0.025
	08/05/02	<0.20	<0.20	<0.080	0.13	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**39**	<0.060	14	**0.7**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	08/05/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	11/15/02	**2.2**	<0.20	<0.080	0.19	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**71**	<0.060	17	**0.68**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	0.01	<0.10
	03/06/03	**4.8**	<0.050	<0.020	0.25	<0.00025	0.012	<0.0010	0.0061	NA	0.0056	0.0022	**86**	<0.015	16	**1.2**	<0.00020	<0.010	0.0082	<0.0020	<0.0050	<0.012	0.013	0.042
	03/06/03	**3.8**	<0.20	<0.080	0.24	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**87**	<0.060	16	**1.3**	NA	<0.040	<0.020	<0.0020	<0.020	<0.050	0.013	<0.10
	05/06/03	**8.1**	<0.050	<0.020	0.37	0.00038	0.016	0.0011	0.014	NA	0.015	0.0039	**150**	<0.015	18	**1.8**	<0.00020	<0.010	0.019	<0.0020	<0.0050	<0.012	0.028	0.1
Layer A Wells																								
451	08/11/03	**2.5**	<0.050	<0.020	0.23	<0.00025	0.013	<0.0010	0.0056	NA	0.0045	<0.0015	**87**	<0.015	15	**1.1**	<0.00020	<0.010	0.0097	<0.0020	<0.0050	<0.012	0.012	0.027
	11/11/03	**13**	<0.050	<0.020	0.42	0.00064	0.013	0.0011	0.014	NA	0.018	0.0095	**160**	**0.018**	16	**0.94**	<0.00020	<0.010	0.024	<0.0020	<0.0050	<0.012	**0.059**	0.062
	11/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	02/06/04	0.84	<0.050	<0.020	0.13	<0.00025	0.011	<0.0010	0.0021	NA	0.0027	<0.0015	**41**	<0.015	18	**0.45**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0099	<0.025
	05/25/04	**4.7**	<0.050	<0.020	0.22	<0.00025	0.011	<0.0010	0.004	NA	0.0051	<0.0015	**71**	<0.015	16	**0.96**	<0.00020	<0.010	0.0089	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/25/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
452	02/07/00	<0.050	<0.050	<0.020	0.043	<0.00025	0.015	<0.0010	<0.0020	NA	<0.0020	<0.0015	**26**	<0.015	16	**0.36**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.002	<0.025
	02/07/00	0.052 J	<0.050	<0.020	0.044 J	<0.00025	0.015 J	<0.0010	<0.0020	NA	<0.0020	0.0016 J	**26 J**	<0.015	16 J	**0.37 J**	NA	<0.010	<0.0050	<0.025	<0.0050	<0.012	0.0020 J	<0.025
	05/09/00	<0.050	<0.050	<0.020	0.036	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**18**	<0.015	15	**0.35**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	08/17/00	<0.050	<0.050	<0.020	0.038	<0.00025	0.013	<0.0010	<0.0020	NA	<0.0020	<0.0015	**20**	<0.015	15	**0.35**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	11/08/00	0.089	<0.050	<0.020	0.045	<0.00025	0.011	<0.0010	<0.0020	NA	<0.0020	<0.0015	**37**	<0.015	15	**0.36**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0079	<0.025

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	**1.0**	**0.006**	**0.05**	**1.0**	**0.004**	**1.0[2]**	**0.005**	**0.05**	**0.05[3]**	**0.05[4]**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**0.010[4]**	**0.1**	**0.05**	**0.1**	**0.002**	**0.05[2]**	**5.0**
	11/08/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	02/05/01	<0.050	<0.050	<0.020	0.037	<0.00025	0.013	<0.0010	<0.0020	NA	<0.0020	<0.0015	**23**	<0.015	15	**0.33**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	02/05/01	<0.050	<0.050	<0.020	0.038 J	<0.00025	0.013 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**23 J**	<0.015	15 J	**0.34 J**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/11/01	0.069	<0.050	<0.020	0.04	<0.00025	0.013	<0.0010	<0.0020	NA	<0.0020	<0.0015	**27**	<0.015	14	**0.35**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	08/09/01	0.11	<0.050	<0.020	0.044	<0.00025	0.014	<0.0010	<0.0020	NA	<0.0020	<0.0015	**35**	<0.015	15	**0.38**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
	11/06/01	0.055	<0.050	<0.020	0.045	<0.00025	0.014	<0.0010	<0.0020	NA	0.0038	<0.0015	**35**	<0.015	14	**0.39**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0076	<0.025
	02/12/02	0.091	<0.050	<0.020	0.042	<0.00025	0.013	<0.0010	<0.0020	NA	0.0034	0.0019	**31**	<0.015	13	**0.38**	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0018	<0.025
	02/12/02	0.052 J	<0.050	<0.020	0.041 J	<0.00025	0.013 J	<0.0010	<0.0020	NA	0.0037 J	<0.0015	**28 J**	<0.015	13 J	**0.37 J**	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	<0.0015	<0.025
	05/15/02	<0.050	<0.050	<0.020	0.04	<0.00025	0.013	<0.0010	0.0021	NA	<0.0020	0.055	**22**	<0.015	14	**0.34**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	<0.0015	<0.025
	08/07/02	**220**	<0.20	**0.12**	**1.8**	**0.0058**	<0.040	<0.0040	**0.59**	NA	**0.18**	0.33	**530**	<0.060	62	**7.8**	0.00099	<0.040	**0.41**	0.0053	<0.020	<0.050	**0.88**	0.47
	11/18/02	**22**	<0.20	<0.080	0.17	<0.0010	<0.040	<0.0040	0.045	NA	0.0093	0.026	**67**	<0.060	17	**0.74**	<0.002[5]	<0.040	0.034	<0.0020	<0.020	<0.050	**0.066**	<0.10
	02/14/03	**2.4**	<0.050	<0.020	0.062	<0.00025	0.012	<0.0010	0.0061	NA	<0.0020	0.0029	**28**	<0.015	13	**0.44**	<0.00020	<0.010	0.0052	<0.0020	<0.0050	<0.012	0.01	<0.025
	05/07/03	0.68	<0.050	<0.020	0.046	<0.00025	0.014	<0.0010	0.0027	NA	<0.0020	<0.0015	**24**	<0.015	13	**0.4**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0038	<0.025
	05/07/03	0.49	<0.050	<0.020	0.044	<0.00025	0.014	0.0011	<0.0020	NA	<0.0020	<0.0015	**22**	<0.015	13	**0.39**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0029	<0.025
	05/07/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	08/11/03	**1.5**	<0.050	<0.020	0.056	<0.00025	0.013	<0.0010	0.0042	NA	<0.0020	0.0025	**30**	<0.015	13	**0.41**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0083	<0.025
	11/13/03	0.53	<0.050	<0.020	0.047	<0.00025	0.012	<0.0010	0.0021	NA	<0.0020	<0.0015	**23**	<0.015	13	**0.36**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0073	<0.025
	02/06/04	0.14	<0.050	<0.020	0.044	<0.00025	0.012	<0.0010	<0.0020	NA	<0.0020	<0.0015	**17**	<0.015	13	**0.33**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0034	<0.025
	05/24/04	0.073	<0.050	<0.020	0.045	<0.00025	0.014	<0.0010	<0.0020	NA	<0.0020	<0.0015	**19**	<0.015	14	**0.33**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/24/04	0.08	<0.050	<0.020	0.044	<0.00025	0.013	<0.0010	<0.0020	NA	<0.0020	<0.0015	**19**	<0.015	13	**0.32**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	1.0	0.006	0.05	1.0	0.004	1.0[2]	0.005	0.05	0.05[3]	0.05[4]	1.3	0.3	0.015	none	0.05	none	0.010[4]	0.1	0.05	0.1	0.002	0.05[2]	5.0
Layer A Wells																								
453	02/08/00	<0.050	<0.050	<0.020	0.13	<0.00025	0.024	<0.0010	<0.0020	NA	<0.0020	<0.0015	**5.7**	<0.015	8.5	**0.42**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	<0.0015	0.58
	05/08/00	**3.3**	<0.050	<0.020	0.23	<0.00025	0.01	<0.0010	0.0088	NA	0.012	0.0059	**56**	<0.015	8.2	**0.18**	<0.00020	<0.010	0.011	<0.0020	<0.0050	<0.012	0.035	<0.025
	08/18/00	<0.050	<0.050	<0.020	0.14	<0.00025	0.026	<0.0010	<0.0020	NA	<0.0020	<0.0015	**3.3**	<0.015	7.9	**0.2**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0017	0.48
	11/09/00	<0.050	<0.050	<0.020	0.13	<0.00025	0.023	0.0015	<0.0020	NA	<0.0020	<0.0015	**8.4**	<0.015	7.3	**0.16**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.004	0.65
	11/09/00	<0.050	<0.050	<0.020	0.13 J	<0.00025	0.024 J	<0.0010	<0.0020	NA	<0.0020	<0.0015	**6.2 J**	<0.015	7.4 J	**0.16 J**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0033 J	0.53 J
	02/06/01	0.05	<0.050	<0.020	0.13	<0.00025	0.024	<0.0010	<0.0020	NA	<0.0020	<0.0015	**4.7**	<0.015	7.7	**0.14**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0023	0.5
	05/10/01	<0.050	<0.050	<0.020	0.12	<0.00025	0.028	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.8**	<0.015	7.8	**0.13**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	0.42
	08/08/01	<0.050	<0.050	<0.020	0.13	<0.00025	0.025	<0.0010	<0.0020	NA	<0.0020	0.0018	**4**	<0.015	7.4	**0.1**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.003	0.42
	11/06/01	<0.050	<0.050	<0.020	0.13	<0.00025	0.026	<0.0010	<0.0020	NA	<0.0020	<0.0015	**2.5**	<0.015	7.9	**0.17**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0019	0.3
	11/06/01	<0.050	<0.050	<0.020	0.13 J	<0.00025	0.026 J	<0.0010	<0.0020	NA	<0.0020	0.0021 J	**2.5 J**	<0.015	7.8 J	**0.15 J**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0019 J	0.30 J
	02/12/02	0.17	<0.050	<0.020	0.19	<0.00025	0.028	0.0023	<0.0020	NA	<0.0020	0.0044	**45**	**0.039**	7.5	**0.31**	<0.00020	<0.010	<0.0050	<0.0050	<0.0050	<0.012	0.0079	3.1
	05/15/02	<0.050	<0.050	<0.020	0.13	<0.00025	0.025	<0.0010	<0.0020	NA	<0.0020	0.0088	**2.4**	<0.015	7.5	**0.086**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	<0.0015	0.43
	08/07/02	<0.20	<0.20	<0.080	0.15	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**5.8**	<0.060	7.7	**0.11**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	0.55
	08/07/02	<0.20	<0.20	<0.080	0.14 J	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**3.5 J**	<0.060	7.7 J	**0.099 J**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	0.41 J
	08/07/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	11/14/02	<0.20	<0.20	<0.080	0.12	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**3.3**	<0.060	7.8	**0.11**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	0.28
	11/14/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	02/14/03	0.057	<0.050	<0.020	0.13	<0.00025	0.024	<0.0010	<0.0020	NA	<0.0020	<0.0015	**6.1**	<0.015	7.4	**0.12**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0022	0.5
	05/06/03	<0.050	<0.050	<0.020	0.13	<0.00025	0.023	<0.0010	<0.0020	NA	<0.0020	<0.0015	**1.4**	<0.015	7.3	**0.078**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.002	0.49
	08/06/03	0.059	<0.050	<0.020	0.14	<0.00025	0.025	<0.0010	<0.0020	NA	<0.0020	<0.0015	**6.4**	<0.015	7.3	**0.088**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0038	0.43
	11/13/03	<0.050	<0.050	<0.020	0.13	<0.00025	0.023	<0.0010	<0.0020	NA	<0.0020	<0.0015	**4.1**	<0.015	7.4	**0.1**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	0.34
	02/06/04	<0.050	<0.050	<0.020	0.13	<0.00025	0.025	<0.0010	<0.0020	NA	<0.0020	<0.0015	**2.8**	<0.015	7.7	**0.14**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0016	0.32
	05/26/04	<0.050	<0.050	<0.020	0.13	<0.00025	0.025	<0.0010	<0.0020	NA	<0.0020	<0.0015	**5.6**	<0.015	7.3	**0.054**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0019	0.55
	05/26/04	<0.050	<0.050	<0.020	0.14	<0.00025	0.027	<0.0010	<0.0020	NA	<0.0020	<0.0015	**5.6**	<0.015	7.5	**0.055**	NA	<0.010	<0.0050	NA	<0.0050	<0.012	0.0021	0.56
3095	02/11/00	0.25	<0.050	<0.020	0.14	<0.00025	<0.010	<0.0010	<0.0020	NA	0.0024	<0.0015	**11**	<0.015	7.5	**0.2**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	0.0048	<0.025
	05/09/00	0.055	<0.050	<0.020	0.14	<0.00025	0.04	<0.0010	<0.0020	NA	<0.0020	<0.0015	**8.9**	<0.015	7.9	**0.2**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0033	0.69
	05/09/00	**2.4 J**	<0.050	<0.020	0.20 J	<0.00025	<0.010	<0.0010	0.0071 J	NA	0.010 J	0.0049 J	**43 J**	<0.015	7.8 J	**0.16 J**	<0.00020	<0.010	0.0087 J	<0.0020	<0.0050	<0.012	0.026 J	<0.025
	08/15/00	0.21	<0.050	<0.020	0.15	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**7.6**	<0.015	7.4	**0.11**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.005	<0.025
	11/07/00	0.3	<0.050	<0.020	0.17	<0.00025	<0.010	<0.0010	<0.0020	NA	0.0028	<0.0015	**12**	<0.015	7.9	**0.16**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0081	<0.025
	11/07/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0020	NA	NA	NA	NA
	02/07/01	0.27	<0.050	<0.020	0.16	<0.00025	<0.010	<0.0010	<0.0020	NA	0.0031	<0.0015	**14**	<0.015	7.9	**0.19**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0058	<0.025
	05/15/01	0.14	<0.050	<0.020	0.15	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**10**	<0.015	7.7	**0.21**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0022	<0.025
	08/08/01	0.39	<0.050	<0.020	0.17	<0.00025	<0.010	<0.0010	0.0023	NA	0.0041	<0.0015	**20**	<0.015	8.4	**0.2**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0097	<0.025
Layer A Wells																								
3095	11/06/01	0.26	<0.050	<0.020	0.16	<0.00025	<0.010	<0.0010	<0.0020	NA	0.003	<0.0015	**13**	<0.015	8.3	**0.21**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0061	<0.025
	02/12/02	0.93	<0.050	<0.020	0.19	<0.00025	<0.010	**2**	0.0046	NA	0.0081	0.0027	**29**	<0.015	8.1	**0.35**	<0.00020	<0.010	0.0061	<0.0050	<0.0050	<0.012	0.012	<0.025
	05/15/02	0.11	<0.050	<0.020	0.16	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**9.7**	<0.015	8	**0.22**	<0.00020	<0.010	<0.0050	<0.0020 *	<0.0050	<0.012	<0.0015	<0.025
	08/08/02	<0.20	<0.20	<0.080	0.17	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**14**	<0.060	8.8	**0.3**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	08/08/02	<0.20	<0.20	<0.080	0.17 J	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**14 J**	<0.060	8.7 J	**0.30 J**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10

TABLE D-7: Summary of Detects - Metals
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Chromium^{6+} (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
	MCL[1]:	**1.0**	**0.006**	**0.05**	**1.0**	**0.004**	**1.0[2]**	**0.005**	**0.05**	**0.05[3]**	**0.05[4]**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**0.010[4]**	**0.1**	**0.05**	**0.1**	**0.002**	**0.05[2]**	**5.0**
	08/08/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
	11/06/02	<0.20	<0.20	<0.080	0.17	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**13**	<0.060	8.5	**0.27**	<0.00020	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	11/06/02	<0.20	<0.20	<0.080	0.16 J	<0.0010	<0.040	<0.0040	<0.0080	NA	<0.0080	<0.0060	**13 J**	<0.060	8.3 J	**0.27 J**	NA	<0.040	<0.020	<0.0020	<0.020	<0.050	<0.0060	<0.10
	02/13/03	0.091	<0.050	<0.020	0.17	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**11**	<0.015	8.2	**0.25**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0031	<0.025
	05/08/03	0.057	<0.050	<0.020	0.16	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**10**	<0.015	8	**0.24**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0026	<0.025
	08/07/03	**1.8**	<0.050	<0.020	0.24	<0.00025	<0.010	<0.0010	0.01	NA	0.021	0.0024	**52**	<0.015	8.3	**0.29**	<0.00020	<0.010	0.012	<0.0020	<0.0050	<0.012	0.04	<0.025
	11/14/03	0.8	<0.050	<0.020	0.18	<0.00025	<0.010	<0.0010	0.0038	NA	0.0096	0.0032	**26**	<0.015	8.3	**0.28**	<0.00020	<0.010	0.0061	<0.0020	<0.0050	<0.012	0.018	<0.025
	11/14/03	0.59	<0.050	<0.020	0.18	<0.00025	<0.010	<0.0010	0.0027	NA	0.0052	0.0015	**18**	<0.015	8.3	**0.28**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.012	<0.025
	02/09/04	0.082	<0.050	<0.020	0.17	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**8.7**	<0.015	8.5	**0.23**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	0.0041	<0.025
	05/25/04	0.1	<0.050	<0.020	0.18	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**14**	<0.015	8.7	**0.32**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
	05/25/04	0.11	<0.050	<0.020	0.18	<0.00025	<0.010	<0.0010	<0.0020	NA	<0.0020	<0.0015	**13**	<0.015	8.8	**0.3**	<0.00020	<0.010	<0.0050	<0.0020	<0.0050	<0.012	<0.0015	<0.025
3626	10/09/02	<0.20[5]	<0.20[5]	<0.08[5]	0.029[5]	<0.001[5]	0.1[5]	<0.004[5]	<0.008[5]	<0.010	<0.008[5]	<0.006[5]	<0.3[5]	<0.06[5]	5.6[5]	0.019[5]	<0.0002[5]	<0.040[5]	<0.02[5]	<0.10[5]	<0.02[5]	<0.05[5]	0.017[5]	<0.10[5]

Notes:
1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. California State Action Level for Drinking Water (DHS).
3. Cr^{6+} is regulated under the 50 µg/l MCL for total chromium (State of California, DHS).
4. Agricultural Water Quality Limit.
5. Filtered sample result.

Samples were not filtered prior to analysis, unless otherwise noted.
Results shown in bold exceed the MCL, Action Level, or Agricultural Water Quality Limit.

Abbreviations:
MCL = Maximum Contaminant Level
mg/L = milligrams per liter
< = less than
J = Estimated concentration
NA = Not analyzed
* = multiple sample results, highest concentration is shown

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	3[2]	none	none	none	none	none	250	0.1[3]	none	45	1	none	none	69[4]	250	none	500	none
								Dredged Layer Wells											
77	02/10/00	NA	29	NA	29	4.4	<2.0	2.1	NA	<2.0	1	NA	NA	<0.50	5.7	2.1	NA	79	<0.10
	05/08/00	NA	NA	28	28	4.3	<2.0	2.1	NA	<2.0	1.1	NA	NA	<0.50	6.2	2.1	NA	81	<0.10
	05/08/00	NA	NA	NA	NA	4.2 J	NA	NA	NA	NA	NA	NA	NA	<0.50	6.1 J	NA	NA	79 J	NA
	05/08/00	NA	NA	29 J	29 J	NA	<2.0	2.1 J	NA	<2.0	1.1 J	NA	NA	NA	NA	2.1 J	NA	78 J	<0.10
	08/17/00	NA	NA	27	27	4.4	<2.0	2.4	NA	<2.0	0.92	NA	NA	<0.50	5.5	2	NA	75	0.22
	11/10/00	NA	NA	28	28	4.3	<2.0	2.2	NA	<2.0	0.93	NA	NA	<0.50	5.7	2	NA	76	0.18
	11/10/00	NA	NA	28 J	28 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/07/01	NA	NA	29	29	4.2	<2.0	2.1	NA	<2.0	0.97	NA	NA	<0.50	5.6	2.4	NA	81	0.49
	05/15/01	NA	NA	27	27	4.1	<2.0	1.9	NA	<2.0	0.74	NA	NA	<0.50	5.2	2.1	NA	71	0.39
	05/15/01	NA	NA	27 J	27 J	4.0 J	<2.0	1.9 J	NA	<2.0	0.76 J	NA	NA	<0.50	5.1 J	2.1 J	NA	73 J	0.30 J
	05/15/01	NA	NA	27 J	27 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/15/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70 J	NA
	08/09/01	NA	NA	28	28	4.5	<2.0	2.2	NA	<2.0	0.74	NA	NA	<0.50	5.2	2.6	NA	73	0.27
	08/09/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70 J	NA
	11/08/01	NA	NA	24	24	4.6	<2.0	2.4	NA	<2.0	0.9	NA	NA	<0.50	5.3	2.5	NA	75	0.32
	02/12/02	NA	NA	30	30	4.4	<2.0	2.2	NA	<2.0	0.92	NA	NA	<0.50	5.3	2.3	NA	82	0.29
	05/17/02	NA	NA	29	29	4.7	<2.0	2.4	NA	<2.0	0.85	NA	NA	<0.50	5.2	2.9	NA	80	0.28
	08/08/02	NA	NA	29	29	5.4	<2.0	2.9	NA	<2.0	0.61	NA	NA	<2.0	5.4	3	NA	62	0.32
	08/08/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62 J	NA
	11/15/02	NA	NA	27	27	5.2	<2.0	2.5	NA	<2.0	0.53	NA	NA	<2.0	5.2	2.4	NA	77	0.19
	11/15/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76 J	NA
	02/17/03	NA	NA	30	30	4.5	<2.0	2.5	NA	<2.0	0.81	NA	NA	<0.50	5.6	2.6	NA	76	0.39
	02/17/03	NA	NA	NA	NA	4.9	NA	NA	NA	NA	NA	NA	NA	<2.0	5.6	NA	NA	NA	NA
	05/08/03	NA	NA	28	28	4.5	<2.0	2.1	NA	<2.0	0.55	NA	NA	<0.50	4.4	2.7	NA	69	0.36
	05/08/03	NA	NA	28	28	4.5	<2.0	2.3	NA	<2.0	0.56	NA	NA	<0.50	4.4	2.7	NA	70	0.37
	08/05/03	NA	NA	30	30	4.9	<2.0	2.4	NA	<2.0	0.49	NA	NA	<0.50	4.6	2.4	NA	74	0.34
	11/17/03	NA	NA	29	29	4.8	<2.0	2	NA	<2.0	0.54	NA	NA	<0.50	4.9	2	NA	72	0.35
	02/09/04	<0.95	NA	28	28	4.5	<2.0	2.2	NA	<2.0	0.69	NA	NA	<0.50	5.2	2.2	NA	71	0.3
	05/26/04	NA	NA	26	26	4.6	<2.0	3.1	NA	<2.0	0.6	NA	NA	<0.50	4.2	2.6	NA	65	0.37
90	02/11/00	NA	42	NA	42	6.6	<2.0	5.8	NA	<2.0	2.8	NA	NA	<0.50	7.2	7	NA	110	0.28
	02/11/00	NA	43 J	NA	43 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/10/00	NA	NA	60	60	8.4	<2.0	6.1	NA	<2.0	0.66	NA	NA	<0.50	8.7	6.1	NA	120	0.38
	05/10/00	NA	NA	60 J	60 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/18/00	NA	NA	71	71	9.9	<2.0	6.1	NA	<2.0	0.35	NA	NA	0.5	9.2	5.7	NA	120	0.46
								Dredged Layer Wells											
90	08/18/00	NA	NA	71 J	71 J	9.9 J	<2.0	6.2 J	NA	<2.0	0.35 J	NA	NA	0.61 J	9.1 J	5.7 J	NA	120 J	0.47 J
	11/07/00	NA	NA	65	65	8.7	<2.0	5.9	NA	<2.0	0.91	NA	NA	<0.50	8.8	5.7	NA	110	0.28
	02/06/01	NA	NA	57	57	7.8	<2.0	5.7	NA	<2.0	2.6	NA	NA	<0.50	8.5	6	NA	110	0.4
	05/11/01	NA	NA	45	45	6.5	<2.0	6	NA	<2.0	2.4	NA	NA	<0.50	7.7	6.1	NA	100	0.59
	08/08/01	NA	NA	57	57	7.9	<2.0	6.2	NA	<2.0	1.4	NA	NA	<0.50	8.4	6.2	NA	110	0.36

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	3[2]	none	none	none	none	none	250	0.1[3]	none	45	1	none	none	69[4]	250	none	500	none
	11/07/01	NA	NA	70	70	8.8	<2.0	6.6	NA	<2.0	1.6	NA	NA	0.52	9	6.3	NA	88	0.41
	11/07/01	NA	NA	NA	NA	8.8 J	NA	NA	NA	NA	NA	NA	NA	<0.50	9.0 J	NA	NA	NA	NA
	02/12/02	NA	NA	41	41	5.8	<2.0	5.9	NA	<2.0	2.8	NA	NA	<0.50	7.1	6.3	NA	100	0.45
	05/16/02	NA	NA	43	43	6.4	<2.0	6.1	NA	<2.0	3.1	NA	NA	<0.50	7.8	6	NA	100	0.35
	08/06/02	NA	NA	51	51	8	<2.0	6.4	NA	<2.0	1.5	NA	NA	<2.0	8.8	9.1	NA	110	0.5
	08/06/02	NA	NA	52 J	52 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/15/02	NA	NA	61	61	9.1	<2.0	7.5	NA	<2.0	1.6	NA	NA	<2.0	9.4	6.2	NA	120	0.26
	02/14/03	NA	NA	52	52	7.3	<2.0	7.4	NA	<2.0	1.9	NA	NA	<0.50	8.8	6.9	NA	120	0.45
	02/14/03	NA	NA	51	51	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/07/03	NA	NA	51	51	6.9	<2.0	5.9	NA	<2.0	2.3	NA	NA	<0.50	7.8	6.2	NA	110	0.44
	05/07/03	NA	NA	NA	NA	7.1	NA	NA	NA	NA	NA	NA	NA	<0.50	8	NA	NA	NA	NA
	08/06/03	NA	NA	64	64	8.1	<2.0	7.7	NA	<2.0	0.93	NA	NA	<0.50	8.9	5.6	NA	110	0.45
	08/06/03	NA	NA	62	62	8	<2.0	7.7	NA	<2.0	0.93	NA	NA	<0.50	8.8	5.7	NA	120	0.45
	11/17/03	NA	NA	71	71	9.4	<2.0	7.4	NA	<2.0	1.3	NA	NA	<0.50	9.6	5.7	NA	120	0.54
	11/17/03	NA	NA	72	72	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/09/04	1.1	NA	58	58	7.9	<2.0	7.3	NA	<2.0	2.1	NA	NA	<0.50	9.2	5.8	NA	120	0.43
	05/25/04	NA	NA	65	65	8.7	<2.0	8	NA	<2.0	1.1	NA	NA	<0.50	9.2	6	NA	120	0.42
	05/25/04	NA	NA	64	64	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
3185	02/14/00	NA	38	NA	38	8.7	<2.0	1.1	NA	<2.0	12	NA	NA	0.7	6.2	11	NA	110	<0.10
	05/08/00	NA	NA	32	32	7.2	<2.0	0.95	NA	<2.0	10	NA	NA	0.7	5.9	9.5	NA	100	<0.10
	08/17/00	NA	NA	35	35	7.9	<2.0	0.91	NA	<2.0	9.6	NA	NA	0.81	5.9	8.8	NA	100	0.27
	08/17/00	NA	NA	37 J	37 J	7.9 J	<2.0	0.95 J	NA	<2.0	9.5 J	NA	NA	0.83 J	5.9 J	8.8 J	NA	100 J	0.23 J
	11/10/00	NA	NA	36	36	7.6	<2.0	0.94	NA	<2.0	8.9	NA	NA	1	6.1	8.7	NA	83	<0.10
	11/10/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	82 J	NA
	02/06/01	NA	NA	42	42	8.6	<2.0	1	NA	<2.0	9.8	NA	NA	0.92	6.3	9	NA	110	0.26
	02/06/01	NA	NA	42 J	42 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/14/01	NA	NA	37	37	7.7	<2.0	0.96	NA	<2.0	10	NA	NA	0.81	5.9	8.8	NA	100	0.3
	08/07/01	NA	NA	36	36	8	<2.0	1	NA	<2.0	10	NA	NA	0.67	5.9	8.4	NA	110	0.24
	11/07/01	NA	NA	42	42	8.8	<2.0	1.2	NA	<2.0	11	NA	NA	0.82	6.2	9.9	NA	110	0.32
Dredged Layer Wells																			
3185	11/07/01	NA	NA	39 J	39 J	8.9 J	<2.0	1.2 J	NA	<2.0	11 J	NA	NA	1.0 J	6.3 J	9.8 J	NA	110 J	0.32 J
	11/07/01	NA	NA	40 J	40 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/12/02	NA	NA	36	36	7.8	<2.0	1	NA	<2.0	11 J	NA	NA	0.68	5.9	8.6	NA	110	0.28
	02/12/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 J	NA
	05/16/02	NA	NA	10	10	8.1	<2.0	0.99	NA	<2.0	11	NA	NA	0.9	6	8.4	NA	120	0.23
	05/16/02	NA	NA	37 J	37 J	8.1 J	<2.0	1.0 J	NA	<2.0	11 J	NA	NA	0.78 J	6.0 J	8.4 J	NA	110 J	0.26 J
	08/09/02	NA	NA	35	35	8.1	<2.0	1.1	NA	<2.0	9.8	NA	NA	<2.0	6	8	NA	100	0.41
	08/09/02	NA	NA	36 J	36 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/02	NA	NA	41	41	9.5	<2.0	1.2	NA	<2.0	11	NA	NA	<2.0	6.4	9.4	NA	110	0.18
	11/18/02	NA	NA	42 J	42 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/17/03	NA	NA	38	38	7.9	<2.0	1.2	NA	<2.0	10	NA	NA	0.77	6.2	9.2	NA	110	0.3

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	**3[2]**	**none**	**none**	**none**	**none**	**none**	**250**	**0.1[3]**	**none**	**45**	**1**	**none**	**none**	**69[4]**	**250**	**none**	**500**	**none**
	02/17/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA
	05/07/03	NA	NA	35	35	7.4	<2.0	1	NA	<2.0	10	NA	NA	0.81	5.5	8.7	NA	100	0.31
	05/07/03	NA	NA	34	34	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/07/03	NA	NA	35	35	7.7	<2.0	1	NA	<2.0	9.6	NA	NA	0.74	5.8	8.4	NA	100	0.29
	08/07/03	NA	NA	36	36	7.5	<2.0	1	NA	<2.0	9.7	NA	NA	0.69	5.6	8.4	NA	100	0.33
	08/07/03	NA	NA	NA	NA	7.5	NA	NA	NA	NA	NA	NA	NA	0.73	5.6	NA	NA	NA	NA
	11/17/03	NA	NA	36	36	8.8	<2.0	1.3	NA	<2.0	10	NA	NA	0.73	6.1	9.2	NA	110	0.33
	11/17/03	NA	NA	40	40	8.9	<2.0	1.2	NA	<2.0	10	NA	NA	0.81	6.2	9.1	NA	110	0.31
	02/05/04	NA	NA	40	40	8.2	<2.0	1.1	NA	<2.0	10	NA	NA	0.7	6.1	16	NA	110	0.27
	02/05/04	NA	NA	40	40	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/26/04	NA	NA	35	35	7.5	<2.0	1.1	NA	<2.0	9.8	NA	NA	0.76	5.7	8.9	NA	100	0.38
	05/26/04	NA	NA	34	34	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
3186	02/11/00	NA	62	NA	62	8.9	<2.0	4.4	NA	<2.0	0.65	NA	NA	<0.50	7.2	3.6	NA	120	<0.10
	05/08/00	NA	NA	63	63	9.5	<2.0	4.6	NA	<2.0	0.99	NA	NA	<0.50	8.1	3.3	NA	120	<0.10
	05/08/00	NA	NA	62 J	62 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/18/00	NA	NA	60	60	9.1	<2.0	4.1	NA	<2.0	1.2	NA	NA	<0.50	7.3	3.5	NA	120	0.3
	11/07/00	NA	NA	59	59	8.2	<2.0	4	NA	<2.0	0.99	NA	NA	0.55	7.1	3.3	NA	110	0.15
	11/07/00	NA	NA	59 J	59 J	8.3 J	<2.0	3.8 J	NA	<2.0	1.0 J	NA	NA	0.58 J	7.2 J	3.3 J	NA	110 J	0.15 J
	02/07/01	NA	NA	62	62	8.5	<2.0	3.9	NA	<2.0	0.84	NA	NA	0.56	7.2	3.3	NA	120	0.37
	05/14/01	NA	NA	64	64	9.1	<2.0	4	NA	<2.0	1.1	NA	NA	<0.50	7.4	3.4	NA	120	0.33
	08/09/01	NA	NA	58	58	8.8	<2.0	4	NA	<2.0	1.1	NA	NA	<0.50	7.3	3.6	NA	120	0.3
	08/09/01	NA	NA	58 J	58 J	8.7 J	<2.0	3.9 J	NA	<2.0	1.2 J	NA	NA	<0.50	7.2 J	3.7 J	NA	120 J	0.33 J
	11/07/01	NA	NA	58	58	8.3	<2.0	4	NA	<2.0	1.1	NA	NA	0.51	7.3	3.7	NA	120	0.37

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	3[2]	none	none	none	none	none	250	0.1[3]	none	45	1	none	none	69[4]	250	none	500	none
Dredged Layer Wells																			
3186	02/12/02	NA	NA	60	60	8.1	<2.0	4.1	NA	<2.0	0.9	NA	NA	<0.50	7	3.5	NA	110	0.34
	02/12/02	NA	NA	59 J	59 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/16/02	NA	NA	60	60	8.8	<2.0	4.4	NA	<2.0	1.4	NA	NA	<0.50	7.4	3.7	NA	120	0.28
	08/08/02	NA	NA	53	53	8.6	<2.0	4.5	NA	<2.0	1.7	NA	NA	<2.0	7.4	3.8	NA	120	0.33
	08/08/02	NA	NA	NA	NA	8.7 J	NA	NA	NA	NA	NA	NA	NA	<2.0	7.3 J	NA	NA	NA	NA
	11/18/02	NA	NA	54	54	8.4	<2.0	4.2	NA	<2.0	1.8	NA	NA	<2.0	7.4	3.9	NA	120	0.14
	11/18/02	NA	NA	56 J	56 J	8.3 J	<2.0	4.0 J	NA	<2.0	1.8 J	NA	NA	<2.0	7.1 J	4.0 J	NA	120 J	0.16 J
	11/18/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120 J	NA
	11/18/02	NA	NA	NA	NA	8.3 J	NA	NA	NA	NA	NA	NA	NA	<2.0	7.2 J	NA	NA	NA	NA
	02/17/03	NA	NA	57	57	8.2	<2.0	4.5	NA	<2.0	1.1	NA	NA	<0.50	7.6	3.9	NA	120	0.37
	05/08/03	NA	NA	60	60	8.6	<2.0	4.2	NA	<2.0	1.5	NA	NA	<0.50	7	4.1	NA	120	0.38
	08/06/03	NA	NA	58	58	8.3	<2.0	4.6	NA	<2.0	1.5	NA	NA	<0.50	7	4	NA	120	1.3
	11/17/03	NA	NA	58	58	8.5	<2.0	4.5	NA	<2.0	1.4	NA	NA	<0.50	7.3	3.8	NA	120	0.44
	02/05/04	NA	NA	NA	NA	8.7	NA	4.8	NA	NA	1.2	NA	NA	<0.50	7.5	3.8	NA	NA	0.28
	05/25/04	NA	NA	62	62	8.8	<2.0	4.9	NA	<2.0	1.3	NA	NA	0.54	7.3	3.8	NA	120	0.37
3187	02/09/00	NA	120	NA	120	21	<2.0	3.1	NA	<2.0	2.7	NA	NA	1.1	14	9.3	NA	180	0.14
	02/09/00	NA	120 J	NA	120 J	21 J	<2.0	3.1 J	NA	<2.0	2.7 J	NA	NA	1.0 J	14 J	9.3 J	NA	180 J	0.14 J
	05/09/00	NA	NA	110	110	21	<2.0	4.3	NA	<2.0	2.5	NA	NA	1	15	11	NA	190	0.19
	05/09/00	NA	NA	NA	NA	21 J	NA	NA	NA	NA	NA	NA	NA	1.0 J	15 J	NA	NA	NA	NA
	08/18/00	NA	NA	100	100	19	<2.0	3.5	NA	<2.0	0.6	NA	NA	1	14	9.3	NA	170	0.37
	08/18/00	NA	NA	100 J	100 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/18/00	NA	NA	NA	NA	19 J	NA	NA	NA	NA	NA	NA	NA	1.3 J	13 J	NA	NA	NA	NA
	11/09/00	NA	NA	100	100	18	<2.0	2.8	NA	<2.0	1.1	NA	NA	0.93	13	8.4	NA	170	0.25
	02/06/01	NA	NA	110	110	17	<2.0	2.3	NA	<2.0	1.4	NA	NA	1.1	13	8.3	NA	160	0.35
	02/06/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170 J	NA
	05/15/01	NA	NA	100	100	17	<2.0	1.9	NA	<2.0	1	NA	NA	0.91	13	7.3	NA	160 J	0.41
	05/15/01	NA	NA	100 J	100 J	17 J	<2.0	2.0 J	NA	<2.0	1.0 J	NA	NA	0.94 J	12 J	7.4 J	NA	160 J	0.33 J
	08/07/01	NA	NA	110	110	18	<2.0	2	NA	<2.0	1.9	NA	NA	0.94	13	7.3	NA	170	0.27
	08/07/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170 J	NA
	11/07/01	NA	NA	120	120	20	<2.0	2.4	NA	<2.0	1.4	NA	NA	1.1	13	9.6	NA	170	0.36
	02/12/02	NA	NA	98	98	18	<2.0	1.8	NA	<2.0	1.3	NA	NA	1.1	13	9.5	NA	160	0.31
	02/12/02	NA	NA	NA	NA	18 J	NA	NA	NA	NA	NA	NA	NA	1.0 J	13 J	NA	NA	NA	NA
	05/16/02	NA	NA	120	120	19	<2.0	1.8	NA	<2.0	1.4	NA	NA	1.1	13	8.4	NA	170	0.27
	08/07/02	NA	NA	110	110	20	<2.0	2.1	NA	<2.0	1.6	NA	NA	<2.0	13	6.8	NA	180	0.41
Dredged Layer Wells																			
3187	11/18/02	NA	NA	140	140	25	<2.0	1.9	NA	<2.0	1.9	NA	NA	<2.0	14	7	NA	200	0.16
	02/18/03	NA	NA	110	110	18	<2.0	1.8	NA	<2.0	1.6	NA	NA	0.91	13	9.7	NA	170	0.51
	02/18/03	NA	NA	110	110	19	<2.0	NA	NA	<2.0	NA	NA	NA	0.96	14	NA	NA	NA	NA
	05/07/03	NA	NA	110	110	17	<2.0	1.4	NA	<2.0	2.3	NA	NA	1	12	7.3	NA	160	0.4
	08/07/03	NA	NA	120	120	19	<2.0	1.5	NA	<2.0	2.5	NA	NA	0.96	12	6.5	NA	170	0.52

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	3[2]	none	none	none	none	none	250	0.1[3]	none	45	1	none	none	69[4]	250	none	500	none
	08/07/03	NA	NA	120	120	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/03	NA	NA	160	160	29	<2.0	1.7	NA	<2.0	3.4	NA	NA	1.4	15	6.1	NA	200	0.56
	02/05/04	NA	NA	140	140	23	<2.0	2	NA	<2.0	1.6	NA	NA	1.3	14	16	NA	NA	0.37
	02/05/04	NA	NA	140	140	23	<2.0	1.7	NA	<2.0	1.6	NA	NA	1.2	14	9.8	NA	NA	0.38
	05/25/04	NA	NA	120	120	20	<2.0	1.7	NA	<2.0	1.1	NA	NA	1.2	13	8.5	NA	170	0.54
3284	02/07/00	NA	59	NA	59	12	<2.0	5	NA	<2.0	7.5	NA	NA	1.2	10	9	NA	150	0.73
	02/07/00	NA	60 J	NA	60 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/09/00	NA	NA	85	85	16	<2.0	8.3	NA	<2.0	9.2	NA	NA	1.1	15	13	NA	170	0.34
	08/16/00	NA	NA	80	80	15	<2.0	5	NA	<2.0	5.3 J	NA	NA	1	14	11	NA	160	0.45
	11/06/00	NA	NA	78	78	14	<2.0	5.5	NA	<2.0	5.9	NA	NA	1	13	12	NA	120	0.27
	11/06/00	NA	NA	NA	NA	14 J	NA	NA	NA	NA	NA	NA	NA	1.2 J	13 J	NA	NA	120 J	NA
	02/06/01	NA	NA	80	80	13	<2.0	5	NA	<2.0	6	NA	NA	1.1	13	12	NA	160	0.45
	02/06/01	NA	NA	77 J	77 J	13 J	<2.0	5.0 J	NA	<2.0	6.0 J	NA	NA	0.98 J	13 J	12 J	NA	150 J	0.36 J
	02/06/01	NA	NA	NA	NA	13 J	NA	NA	NA	NA	NA	NA	NA	1.1 J	13 J	NA	NA	NA	NA
	05/14/01	NA	NA	83	83	14	<2.0	5.3	NA	<2.0	7.6	NA	NA	0.92	13	14	NA	170	0.45
	05/14/01	NA	NA	NA	NA	14 J	NA	NA	NA	NA	NA	NA	NA	0.98 J	13 J	NA	NA	NA	NA
	08/09/01	NA	NA	85	85	15	<2.0	5.2	NA	<2.0	8.1	NA	NA	0.9	14	14	NA	170	0.43
	11/06/01	NA	NA	81	81	15	<2.0	5.7	NA	<2.0	9.2	NA	NA	1	13	13	NA	160	0.45
	02/12/02	NA	NA	NA	NA	19	NA	NA	NA	NA	NA	NA	NA	2.4	13	NA	NA	NA	NA
	02/12/02	NA	NA	70	70	17	<2.0	6.1	NA	<2.0	7.7	NA	NA	2.2	13	13	NA	170	0.42
	02/12/02	NA	NA	NA	NA	18 J	NA	NA	NA	NA	NA	NA	NA	2.7 J	13 J	NA	NA	NA	NA
	02/12/02	NA	NA	69 J	69 J	17 J	<2.0	6.3 J	NA	<2.0	6.8 J	NA	NA	2.2 J	13 J	12 J	NA	170 J	0.44 J
	05/15/02	NA	NA	96	96	17	<2.0	8.3	NA	<2.0	6.9	NA	NA	0.83	15	15	NA	180	0.43
	08/06/02	NA	NA	75	75	16	<2.0	6.5	NA	<2.0	6.3	NA	NA	<2.0	14	15	NA	170	0.64
	11/12/02	NA	NA	120	120	27	<2.0	11	NA	<2.0	4.1	NA	NA	4.2	17	13	NA	230	0.61
	11/12/02	NA	NA	NA	NA	27 J	NA	NA	NA	NA	NA	NA	NA	3.7 J	17 J	NA	NA	NA	NA
	03/06/03	NA	NA	100	100	18	<2.0	8	NA	<2.0	5.1	NA	NA	1.3	14	15	NA	180	0.62
	03/06/03	NA	NA	100	100	18	<2.0	8	NA	<2.0	5.1	NA	NA	1.3	15	15	NA	180	0.58
	05/06/03	NA	NA	97	97	17	<2.0	7.7	NA	<2.0	4.6	NA	NA	1.1	13	15	NA	180	0.56
Dredged Layer Wells																			
3284	08/11/03	NA	NA	96	96	18	<2.0	7	NA	<2.0	4.5	NA	NA	1.1	13	15	NA	140	0.7
	08/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	NA
	11/11/03	NA	NA	110	110	20	<2.0	10	NA	<2.0	4.1	NA	NA	1.2	15	15	NA	190	0.77
	02/10/04	NA	NA	130	130	23	<2.0	13	NA	<2.0	2	NA	NA	1.1	16	14	NA	200	0.75
	02/10/04	NA	NA	NA	NA	22	NA	NA	NA	NA	NA	NA	NA	1.1	16	NA	NA	NA	NA
	05/24/04	NA	NA	98	98	17	<2.0	6.4	NA	<2.0	4.1	NA	NA	1.2	13	15	NA	170	0.6
	05/24/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	NA
Layer A Wells																			
78	02/08/00	NA	160	NA	160	42	<2.0	11	NA	<2.0	2.8	NA	NA	1.2	17	18	NA	240	0.28
	05/09/00	NA	NA	160	160	37	<2.0	11	NA	<2.0	4.9	NA	NA	1.3	18	20	NA	250	0.29
	08/16/00	NA	NA	120	120	37	<2.0	11	NA	<2.0	4.9	NA	NA	1.4	17	20	NA	260	0.49

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	**3[2]**	**none**	**none**	**none**	**none**	**none**	**250**	**0.1[3]**	**none**	**45**	**1**	**none**	**none**	**69[4]**	**250**	**none**	**500**	**none**
	11/07/00	NA	NA	140	140	34	<2.0	12	NA	<2.0	5.4	NA	NA	1.3	17	22	NA	250	0.28
	02/06/01	NA	NA	150	150	35	<2.0	10	NA	<2.0	3.2	NA	NA	1.4	17	19	NA	240	0.57
	05/10/01	NA	NA	140	140	39	<2.0	11	NA	<2.0	5.1	NA	NA	1.2	17	22	NA	260	0.43
	08/09/01	NA	NA	150	150	38	<2.0	10	NA	<2.0	4.3	NA	NA	1.1	17	22	NA	260	0.41
	08/09/01	NA	NA	150 J	150 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/09/01	NA	NA	NA	NA	38 J	NA	NA	NA	NA	NA	NA	NA	1.1 J	17 J	NA	NA	NA	NA
	11/05/01	NA	NA	150	150	43	<2.0	11	NA	<2.0	2.7	NA	NA	1.4	17	18	NA	260	0.49
	02/12/02	NA	NA	160	160	37	<2.0	9.7	NA	<2.0	2.8	NA	NA	1.1	16	18	NA	250	0.42
	05/14/02	NA	NA	160	160	36	<2.0	10	NA	<2.0	2.8	NA	NA	1.3	17	17	NA	230	0.36
	08/05/02	NA	NA	140	140	37	<2.0	10	NA	<2.0	2.6	NA	NA	2.2	17	16	NA	240	0.65
	11/14/02	NA	NA	140	140	32	<2.0	9.5	NA	<2.0	<0.050	NA	NA	<2.0	17	11	NA	190	0.49
	02/13/03	NA	NA	130	130	28	<2.0	9.8	NA	<2.0	2.2	NA	NA	1.2	18	17	NA	190	0.8
	02/13/03	NA	NA	130	130	29	<2.0	9.9	NA	<2.0	2.7	NA	NA	1.1	18	19	NA	200	0.58
	05/06/03	NA	NA	140	140	29	<2.0	9.6	NA	<2.0	<0.050	NA	NA	1.2	16	9.8	NA	190	0.57
	08/06/03	NA	NA	160	160	35	<2.0	9.8	NA	<2.0	0.66	NA	NA	1.1	16	10	NA	230	0.56
	11/14/03	NA	NA	150	150	35	<2.0	8.9	NA	<2.0	0.32	NA	NA	1.3	17	13	NA	190	0.57
	11/14/03	NA	NA	NA	NA	35	NA	NA	NA	NA	NA	NA	NA	1.3	16	NA	NA	NA	NA
	02/05/04	NA	NA	150	150	37	<2.0	9.5	NA	<2.0	2.5	NA	NA	1.1	17	19	NA	240	0.54
	05/24/04	NA	NA	170	170	41	<2.0	10	NA	<2.0	1.9	NA	NA	1.3	17	15	NA	240	0.62

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	3[2]	none	none	none	none	none	250	0.1[3]	none	45	1	none	none	69[4]	250	none	500	none
									Layer A Wells										
449	02/08/00	NA	100	NA	100	18	<2.0	6.8	NA	<2.0	7.3	NA	NA	0.75	13	30	NA	210	0.3
	02/08/00	NA	100 J	NA	100 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/08/00	NA	100 J	NA	100 J	18 J	<2.0	6.6 J	NA	<2.0	7.3 J	NA	NA	0.54 J	13 J	30 J	NA	210 J	0.36 J
	05/08/00	NA	NA	110	110	19	<2.0	7.2	NA	<2.0	4.3	NA	NA	0.68	14	30	NA	220	0.4
	08/16/00	NA	NA	110	110	19	<2.0	6.9	NA	<2.0	4.8	NA	NA	0.81	13	28	NA	210	0.7
	11/09/00	NA	NA	120	120	19	<2.0	7.2	NA	<2.0	2.7	NA	NA	0.77	13	24	NA	200	0.56
	02/05/01	NA	NA	96	96	17	<2.0	6.7	NA	<2.0	7.4	NA	NA	0.83	13	31	NA	210	0.78
	02/05/01	NA	NA	96 J	96 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/10/01	NA	NA	120	120	20	<2.0	7.4	NA	<2.0	0.69	NA	NA	0.93	13	21	NA	220	0.75
	08/09/01	NA	NA	100	100	19	<2.0	7.5	NA	<2.0	4.6	NA	NA	0.61	13	34	NA	220	0.54
	11/05/01	NA	NA	120	120	21	<2.0	7.8	NA	<2.0	2.5	NA	NA	0.89	13	30	NA	220	0.69
	02/12/02	NA	NA	120	120	20	<2.0	7	NA	<2.0	0.32	NA	NA	0.85	13	26	NA	180	0.62
	05/15/02	NA	NA	110	110	19	<2.0	6.7	NA	<2.0	3.4	NA	NA	0.69	13	32	NA	220	0.55
	08/05/02	NA	NA	95	95	18	<2.0	7	NA	<2.0	4.3	NA	NA	<2.0	14	32	NA	230	0.82
	08/05/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230 J	NA
	11/14/02	NA	NA	120	120	21	<2.0	7.1	NA	<2.0	1.6	NA	NA	<2.0	13	28	NA	220	0.74
	02/14/03	NA	NA	140	140	21	<2.0	7.1	NA	<2.0	0.69	NA	NA	0.72	14	27	NA	220	0.96
	05/06/03	NA	NA	140	140	20	<2.0	6.8	NA	<2.0	0.74	NA	NA	0.77	13	29	NA	230	0.91
	08/11/03	NA	NA	160	160	23	<2.0	7.1	NA	<2.0	0.35	NA	NA	0.82	13	26	NA	250	0.89
	11/13/03	NA	NA	150	150	22	<2.0	6.8	NA	<2.0	0.18	NA	NA	0.84	13	25	NA	220	1
	02/06/04	NA	NA	160	160	23	<2.0	6.9	NA	<2.0	0.11	NA	NA	0.73	14	25	NA	230	0.9
	05/24/04	NA	NA	170	170	24	<2.0	7.1	NA	<2.0	0.15	NA	NA	0.83	14	25	NA	240	1
451	02/07/00	NA	130	NA	130	28	<2.0	7.5	NA	<2.0	0.39	NA	NA	1.4	14	15	NA	190	0.21
	05/09/00	NA	NA	160	160	29	<2.0	3.5	NA	<2.0	0.31	NA	NA	1.2	17	17	NA	220	0.23
	08/01/00	NA	NA	120	120	27	<2.0	3.9	NA	<2.0	0.45	NA	NA	1.8	15	15	NA	200	0.4
	08/01/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 J	NA
	11/06/00	NA	NA	130	130	36	<2.0	4.7	NA	<2.0	0.46	NA	NA	3.7	15	16	NA	210	0.4
	11/06/00	NA	NA	130 J	130 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/06/01	NA	NA	140	140	25	<2.0	3.4	NA	<2.0	0.38	NA	NA	1.1	15	15	NA	200	0.52
	05/11/01	NA	NA	130	130	23	<2.0	4.2	NA	<2.0	0.45	NA	NA	0.96	14	14	NA	200	0.48
	08/10/01	NA	NA	150	150	51	<2.0	6	NA	<2.0	0.49	NA	NA	6.1	15	20	NA	190	0.46
	11/05/01	NA	NA	89	89	57	<2.0	5.4	NA	<2.0	0.59	NA	NA	3.7	15	15	NA	150	0.55
	11/05/01	NA	NA	89 J	89 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/12/02	NA	NA	130	130	21	<2.0	4.4	NA	<2.0	0.53	NA	NA	0.91	14	14	NA	190	0.42
									Layer A Wells										
451	05/14/02	NA	NA	120	120	20	<2.0	3.9	NA	<2.0	0.61	NA	NA	<2.0	13	15	NA	190	0.35
	05/14/02	NA	NA	130 J	130 J	21 J	<2.0	4.2 J	NA	<2.0	0.61 J	NA	NA	0.93 J	14 J	15 J	NA	190 J	0.35 J
	05/14/02	NA	NA	130 J	130 J	20 J	<2.0	NA	NA	<2.0	NA	NA	NA	0.95 J	13 J	NA	NA	NA	NA
	08/05/02	NA	NA	110	110	20	<2.0	4	NA	<2.0	0.49	NA	NA	<2.0	13	13	NA	190	0.61
	11/15/02	NA	NA	140	140	24	<2.0	4.5	NA	<2.0	0.14	NA	NA	<2.0	14	11	NA	200	0.42

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	3[2]	none	none	none	none	none	250	0.1[3]	none	45	1	none	none	69[4]	250	none	500	none
	03/06/03	NA	NA	130	130	22	<2.0	3.7	NA	<2.0	0.43	NA	NA	1	14	13	NA	190	0.58
	03/06/03	NA	NA	130	130	24	<2.0	NA	NA	<2.0	NA	NA	NA	<2.0	14	NA	NA	NA	NA
	05/06/03	NA	NA	150	150	26	<2.0	4.4	NA	<2.0	0.12	NA	NA	1.3	14	11	NA	210	0.57
	08/11/03	NA	NA	120	120	22	<2.0	4	NA	<2.0	0.3	NA	NA	0.89	13	12	NA	190	0.7
	11/11/03	NA	NA	110	110	23	<2.0	3.9	NA	<2.0	0.39	NA	NA	1.3	13	13	NA	170	0.6
	02/06/04	NA	NA	150	150	23	<2.0	5.2	NA	<2.0	<0.10	NA	NA	1.1	14	11	NA	200	0.53
	05/25/04	NA	NA	140	140	22	<2.0	4.5	NA	<2.0	0.28	NA	NA	1	14	13	NA	190	0.61
	05/25/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	NA
452	02/07/00	NA	130	NA	130	19	<2.0	4.7	NA	<2.0	0.85	NA	NA	0.75	14	13	NA	180	0.18
	02/07/00	NA	NA	NA	NA	19 J	NA	NA	NA	NA	NA	NA	NA	0.80 J	14 J	NA	NA	NA	NA
	05/09/00	NA	NA	120	120	17	<2.0	3.9	NA	<2.0	0.85	NA	NA	0.89	15	14	NA	180	0.23
	08/17/00	NA	NA	120	120	18	<2.0	4	NA	<2.0	0.73	NA	NA	0.8	14	14	NA	180	0.45
	11/08/00	NA	NA	120	120	18	<2.0	3.9	NA	<2.0	0.56	NA	NA	0.73	14	12	NA	180	0.23
	02/05/01	NA	NA	130	130	17	<2.0	3.8	NA	<2.0	0.43	NA	NA	0.96	14	10	NA	170	0.5
	02/05/01	NA	NA	130 J	130 J	18 J	<2.0	3.5 J	NA	<2.0	0.43 J	NA	NA	0.73 J	14 J	10 J	NA	170 J	0.48 J
	05/11/01	NA	NA	120	120	16	<2.0	3.6	NA	<2.0	0.64	NA	NA	0.87	14	13	NA	180	0.48
	08/09/01	NA	NA	120	120	18	<2.0	3.8	NA	<2.0	0.36	NA	NA	0.74	14	10	NA	170	0.44
	11/06/01	NA	NA	110	110	17	<2.0	3.7	NA	<2.0	0.72	NA	NA	0.78	13	13	NA	160	0.49
	02/12/02	NA	NA	110	110	16	<2.0	4	NA	<2.0	0.86	NA	NA	0.81	13	14	NA	170	0.4
	02/12/02	NA	NA	110 J	110 J	16 J	<2.0	4.1 J	NA	<2.0	0.88 J	NA	NA	0.74 J	13 J	14 J	NA	170 J	0.39 J
	02/12/02	NA	NA	110 J	110 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/15/02	NA	NA	120	120	16	<2.0	4	NA	<2.0	0.78	NA	NA	0.66	14	13	NA	170	0.33
	08/07/02	NA	NA	120	120	41	<2.0	4	NA	<2.0	0.26	NA	NA	22	16	9.1	NA	220	0.62
	11/18/02	NA	NA	130	130	19	<2.0	3.5	NA	<2.0	0.46	NA	NA	2.6	13	11	NA	180	0.29
	02/14/03	NA	NA	120	120	16	<2.0	3.9	NA	<2.0	0.96	NA	NA	1.1	14	14	NA	180	0.44
	05/07/03	NA	NA	110	110	16	<2.0	3.6	NA	<2.0	0.49	NA	NA	1	13	12	NA	130	0.49
	05/07/03	NA	NA	110	110	16	<2.0	3.5	NA	<2.0	0.5	NA	NA	0.86	13	12	NA	170	0.49
	05/07/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	NA
	08/11/03	NA	NA	110	110	16	<2.0	3.7	NA	<2.0	0.67	NA	NA	0.92	13	12	NA	180	0.56
Layer A Wells																			
452	11/13/03	NA	NA	110	110	16	<2.0	3.6	NA	<2.0	0.82	NA	NA	0.87	13	13	NA	170	0.56
	11/13/03	NA	NA	110	110	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/06/04	NA	NA	110	110	16	<2.0	3.7	NA	<2.0	0.83	NA	NA	0.85	14	14	NA	170	0.4
	05/24/04	NA	NA	120	120	17	<2.0	3.7	NA	<2.0	0.76	NA	NA	0.92	14	13	NA	180	0.46
	05/24/04	NA	NA	110	110	17	<2.0	3.6	NA	<2.0	0.73	NA	NA	1	14	13	NA	180	0.51
453	02/08/00	NA	90	NA	90	17	<2.0	7.1	NA	<2.0	0.59	NA	NA	<0.50	14	4.2	NA	150	<0.10
	05/08/00	NA	NA	92	92	22	<2.0	7.5	NA	<2.0	0.65	NA	NA	1.3	21	6.2	NA	160	<0.10
	08/18/00	NA	NA	86	86	16	<2.0	6.7	NA	<2.0	0.73	NA	NA	0.75	14	5.4	NA	150	0.2
	11/09/00	NA	NA	83	83	14	<2.0	6.7	NA	<2.0	0.84	NA	NA	0.77	14	5	NA	150	<0.10
	11/09/00	NA	NA	84 J	84 J	14 J	<2.0	6.7 J	NA	<2.0	0.85 J	NA	NA	0.86 J	14 J	5.0 J	NA	150 J	<0.10
	02/06/01	NA	NA	89	89	15	<2.0	7	NA	<2.0	0.83	NA	NA	0.82	14	5	NA	150	0.3

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	**3[2]**	**none**	**none**	**none**	**none**	**none**	**250**	**0.1[3]**	**none**	**45**	**1**	**none**	**none**	**69[4]**	**250**	**none**	**500**	**none**
	05/10/01	NA	NA	89	89	16	<2.0	6.9	NA	<2.0	0.93	NA	NA	0.7	14	8.6	NA	150	0.28
	05/10/01	NA	NA	89 J	89 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/08/01	NA	NA	85	85	15	<2.0	6.5	NA	<2.0	1.1	NA	NA	0.63	13	6	NA	150	0.2
	11/06/01	NA	NA	87	87	16	<2.0	7	NA	<2.0	0.87	NA	NA	0.68	14	5.1	NA	140	0.35
	11/06/01	NA	NA	86 J	86 J	15 J	<2.0	6.6 J	NA	<2.0	0.87 J	NA	NA	0.67 J	14 J	5.3 J	NA	140 J	0.29 J
	11/06/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140 J	NA
	02/12/02	NA	NA	94	94	15	<2.0	6.6	NA	<2.0	0.47	NA	NA	0.76	13	4.9	NA	150	0.41
	05/15/02	NA	NA	87	87	15	<2.0	6.2	NA	<2.0	0.92	NA	NA	0.77	14	5.3	NA	150	0.19
	08/07/02	NA	NA	82	82	15	<2.0	6.8	NA	<2.0	0.94	NA	NA	<2.0	14	5.1	NA	150	0.4
	08/07/02	NA	NA	80 J	80 J	15 J	<2.0	7.0 J	NA	<2.0	0.95 J	NA	NA	<2.0	14 J	5.1 J	NA	150 J	0.37 J
	11/14/02	NA	NA	90	90	15	<2.0	6.7	NA	<2.0	0.93	NA	NA	<2.0	14	5	NA	150	0.14
	02/14/03	NA	NA	87	87	14	<2.0	6.7	NA	<2.0	0.95	NA	NA	0.54	14	5.2	NA	150	0.34
	05/06/03	NA	NA	86	86	15	<2.0	6.7	NA	<2.0	1	NA	NA	0.7	13	5.9	NA	150	0.32
	08/06/03	NA	NA	85	85	14	<2.0	7.8	NA	<2.0	1	NA	NA	0.68	13	5.4	NA	150	0.39
	11/13/03	NA	NA	85	85	15	<2.0	6.6	NA	<2.0	0.96	NA	NA	0.68	13	4.7	NA	140	0.37
	02/06/04	NA	NA	88	88	15	<2.0	7.5	NA	<2.0	1	NA	NA	0.59	14	5.2	NA	150	0.31
	05/26/04	NA	NA	86	86	14	<2.0	6.9	NA	<2.0	1.2	NA	NA	0.78	14	5.8	NA	150	0.33
	05/26/04	NA	NA	NA	NA	15	NA	NA	NA	NA	NA	NA	NA	0.85	14	NA	NA	NA	NA

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	**3[2]**	**none**	**none**	**none**	**none**	**none**	**250**	**0.1[3]**	**none**	**45**	**1**	**none**	**none**	**69[4]**	**250**	**none**	**500**	**none**
Layer A Wells																			
3095	02/11/00	NA	100	NA	100	21	<2.0	5.7	NA	<2.0	0.3	NA	NA	1.2	19	10	NA	190	0.39
	05/09/00	NA	NA	94	94	16	<2.0	6.1	NA	<2.0	0.17	NA	NA	0.73	15	16	NA	200	0.42
	05/09/00	NA	NA	NA	NA	21 J	NA	NA	NA	NA	NA	NA	NA	1.3 J	20 J	NA	NA	NA	NA
	05/09/00	NA	NA	95 J	95 J	NA	<2.0	6.0 J	NA	<2.0	0.17 J	NA	NA	NA	NA	17 J	NA	200 J	0.43 J
	08/15/00	NA	NA	81	81	22	<2.0	6.4	NA	<2.0	0.38	NA	NA	1.3	19	13	NA	210	0.52
	08/15/00	NA	NA	81 J	81 J	NA	<2.0	8.4 J	NA	<2.0	0.38 J	NA	NA	NA	NA	13 J	NA	NA	NA
	11/07/00	NA	NA	110	110	22	<2.0	6.6	NA	<2.0	0.34	NA	NA	1.4	21	12	NA	200	0.38
	02/07/01	NA	NA	110	110	22	<2.0	6.3	NA	<2.0	0.34	NA	NA	1.2	20	11	NA	200	0.63
	05/15/01	NA	NA	130	130	22	<2.0	6.2	NA	<2.0	0.33	NA	NA	1.1	20	11	NA	190 J	0.58
	08/08/01	NA	NA	120	120	24	<2.0	6.7	NA	<2.0	0.38	NA	NA	1.2	21	12	NA	200	0.63
	08/08/01	NA	NA	120 J	120 J	NA	<2.0	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/01	NA	NA	120	120	24	<2.0	6.9	NA	<2.0	0.34	NA	NA	1.4	21	11	NA	180	0.58
	02/12/02	NA	NA	120	120	23	<2.0	6.5	NA	<2.0	0.32	NA	NA	1.3	20	9.9	NA	200	0.5
	05/15/02	NA	NA	120	120	23	<2.0	5.7	NA	<2.0	0.38	NA	NA	1.1	20	12	NA	200	0.48
	08/08/02	NA	NA	120	120	25	<2.0	6.6	NA	<2.0	0.24	NA	NA	<2.0	22	7.9	NA	200	0.58
	08/08/02	NA	NA	120 J	120 J	25 J	<2.0	6.5 J	NA	<2.0	0.24 J	NA	NA	<2.0	21 J	7.9 J	NA	200 J	0.55 J
	11/06/02	NA	NA	120	120	25	<2.0	6.7	NA	<2.0	NA	NA	NA	2	21	NA	<1.0	210	0.45
	11/06/02	NA	NA	NA	NA	NA	NA	6.4 J	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	NA
	11/06/02	NA	NA	NA	NA	24 J	NA	NA	NA	NA	NA	NA	NA	<2.0	21 J	NA	NA	NA	NA
	02/13/03	NA	NA	130	130	23	<2.0	6.6	NA	<2.0	0.4	NA	NA	1.1	21	12	NA	200	0.64
	05/08/03	NA	NA	120	120	23	<2.0	5.4	NA	<2.0	0.33	NA	NA	1.2	19	12	NA	160	0.71
	05/08/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	NA
	08/07/03	NA	NA	110	110	23	<2.0	7.9	NA	<2.0	0.38	NA	NA	1.3	20	12	NA	210	0.73
	11/14/03	NA	NA	110	110	23	<2.0	7	NA	<2.0	0.4	NA	NA	1.4	21	12	NA	200	0.8
	11/14/03	NA	NA	110	110	23	<2.0	6.9	NA	<2.0	0.39	NA	NA	1.2	21	12	NA	220	0.78
	02/09/04	**5.3**	NA	120	120	23	<2.0	7.2	NA	<2.0	0.37	NA	NA	1.1	22	12	NA	210	0.66
	05/25/04	NA	NA	130	130	25	<2.0	7.2	NA	<2.0	0.35	NA	NA	1.2	21	12	NA	210	0.69
	05/25/04	NA	NA	130	130	25	<2.0	7.1	NA	<2.0	0.36	NA	NA	1.3	22	12	NA	210	0.71
3188	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	<0.050	0.79	NA	NA	19	<1.0	NA	NA
	02/10/04	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3217	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	<0.050	0.75	NA	NA	13	<1.0	NA	NA
3218	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.050	<0.10	NA	NA	30	<1.0	NA	NA
3285	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.64	<0.050	0.5	NA	NA	9.1	<1.0	NA	NA
3286	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.5	<0.050	0.38	NA	NA	8.3	<1.0	NA	NA
Layer A Wells																			
3287	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.4	<0.050	0.25	NA	NA	11	<1.0	NA	NA
3366	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	<0.050	0.46	NA	NA	18	<1.0	NA	NA
	02/10/04	**3.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/10/04	**3.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3367	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.050	<0.10	NA	NA	0.14	<1.0	NA	NA

TABLE D-8: Summary of Miscellaneous Compound Results
January 2000 through June 2004
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,4-Dioxane (µg/l)	Alk. as $CaCO_3$ (mg/l)	Total Alk. (mg/l)	Bicarbonate (mg/l)	Calcium (mg/l)	Carbonate as $CaCO_3$ (mg/l)	Chloride (mg/l)	Diesel (mg/l)	Hydroxide (mg/l)	Nitrate (mg/l)	Nitrite as N (mg/l)	Ortho phosphate (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	TDS (mg/l)	TOC (mg/l)
	MCL[1]:	**3[2]**	**none**	**none**	**none**	**none**	**none**	**250**	**0.1[3]**	**none**	**45**	**1**	**none**	**none**	**69[4]**	**250**	**none**	**500**	**none**
3383	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.050	<0.10	NA	NA	7.7	<1.0	NA	NA
3384	11/06/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	<0.050	<0.10	NA	NA	9.6	<1.0	NA	NA
3386	11/07/02	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3387	10/30/02	**6.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3419	02/10/04	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3626	10/09/02	<10	NA	NA	NA	11[5]	NA	5.3	<0.050	NA	2.6	<0.050	0.81	<2.0[5]	39[5]	8.1	NA	NA	NA

Notes:
1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. California State Action Level for Drinking Water (DHS).
3. Taste and Odor Threshold.
4. Agricultural Water Quality Limit.

Samples not filtered prior to laboratory analysis, unless otherwise noted.
Results shown in bold exceed MCL, Action Level, Taste and Odor Threshold, or Agricultural Water Quality Limit.

Abbreviations:
Alk. = Alkalinity
$CaCO_3$ = Calcium carbonate
TDS = Total dissolved solids
TOC = Total organic carbon
µg/l = micrograms per liter
mg/L = milligrams per liter
< = less than
J = Estimated concentration
NA = Not analyzed

TABLE D-9: Summary of Supplemental Sampling as a Result of the Landfill Investigation Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	TPH-d	TPH-mo	SVOCS	PCBs	Pesticides	Herbicides	VOCs	Perchlorate
USEPA Method:	**8015 M**	**8015 M**	**8270C**	**8082**	**8081A**	**8151A**	**8260B**	**PAL-EA-0040**
Dredged Layer Wells								
3377	X	X		X	X			
3388	X	X				X	X	
3394	X	X	X	X	X	X		
3412	X	X	X	X	X	X		
3413	X	X						
3418	X	X	X	X				X
3497	X	X		X		X		
Layer A Wells								
78	X	X						
92								X
99								X
143								X
144								X
362								X
363								X
364								X
449					X	X		
451	X	X		X	X			
457								X
459								X
460								X
462							X	
463							X	
3095	X	X						
3188								X
3217								X
3218								X
3219								X
3220								X
3366	X	X		X			X	
3367							X	
3368							X	
3374	X	X		X		X		
3375						X		
3376								X
3378							X	
3395					X			
3419						X		X
3420						X		X
3486								X
3487								X
3521								X
3530								
3531								X

TABLE D-9: Summary of Supplemental Sampling as a Result of the Landfill Investigation Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	TPH-d	TPH-mo	SVOCS	PCBs	Pesticides	Herbicides	VOCs	Perchlorate
USEPA Method:	**8015 M**	**8015 M**	**8270C**	**8082**	**8081A**	**8151A**	**8260B**	**PAL-EA-0040**
Layer B Wells								
3379							X	X
3396								X

Notes:
1. Supplemental sampling was performed based on the results of a separate landfill investigation (ERM, 2004).

Abbreviations:
TPH-d = Total Petroleum Hydrocarbons as diesel
TPH-mo = Total Petroleum Hydrocarbons as motor oil
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenols
VOCs = Volatile Organic Compounds

TABLE D-10: Summary of Supplemental Sample Results
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	2,4-DB (µg/l)	Carbon Tet. (µg/l)	Chloroform (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methyl chloride (µg/l)	Methylene chloride (µg/l)	PCE(µg/l)	TCE(µg/l)	Xylene (µg/l)	NDMA (µg/l)	Perchlorate (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**56[2]**	**0.5**	**80**	**1,000[3]**	**1,200**	**3[3]**	**5**	**5**	**5**	**1,750**	**0.01**	**6**
Dredged Layer Wells																				
3185	11/10/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3284	11/17/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3385	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3388	11/18/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<4.0
3418	11/17/04	<0.5	<0.5	2	<0.5	**0.6**	0.77	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	**6.9**	<0.5	<0.0010 *	<4.0
3497	11/17/04	<0.5	<0.5	2.8	<0.5	<0.5	**16**	0.71	<0.95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**7.1**	<0.5	NA	NA
Layer A Wells																				
79	11/10/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.8**
99	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/24/04	<0.5	<0.5	0.68	<0.5	<0.5	2.4	<0.5	NA	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	**26**	<0.5	**0.052**	NA
148	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
150	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
362	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
449	11/15/04	NA	NA	NA	NA	NA	NA	NA	<0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/15/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/15/04	NA	NA	NA	NA	NA	NA	NA	<0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
451	11/16/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
452	11/17/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
457	11/24/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.0010	NA
458	11/24/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.0010	NA
459	11/24/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.0010	NA
460	11/29/04	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	NA	<0.0010	<4.0
462	11/10/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
463	11/10/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	NA	NA
3188	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**
	11/18/04	<0.5	<0.5	3	2.1	<0.5	**140**	<0.5	NA	<0.5	0.83	<0.5	<0.5	<0.5	0.51	0.7	**440**	<0.5	<0.0010	NA

TABLE D-10: Summary of Supplemental Sample Results
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	2,4-DB (µg/l)	Carbon Tet. (µg/l)	Chloroform (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methyl chloride (µg/l)	Methylene chloride (µg/l)	PCE(µg/l)	TCE(µg/l)	Xylene (µg/l)	NDMA (µg/l)	Perchlorate (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**56[2]**	**0.5**	**80**	**1,000[3]**	**1,200**	**3[3]**	**5**	**5**	**5**	**1,750**	**0.01**	**6**
Layer A Wells																				
3217	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16**
	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**
	11/19/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	0.0037 J	NA
	11/19/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0037 J	NA
	11/19/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	NA	NA
3218	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/19/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.0024 J	NA
3219	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3220	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3285	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3286	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3287	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3366	11/15/04	<0.5	<0.5	0.52	<0.5	<0.5	**12**	<0.5	NA	<0.5	0.84	0.69	<0.5	<0.5	<0.5	<0.5	**31**	<0.5	NA	NA
	11/15/04	<0.5	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	NA	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	**30**	<0.5	NA	NA
3367	11/15/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
3368	11/15/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
3374	11/16/04	NA	NA	NA	NA	NA	NA	NA	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**32**
3375	11/16/04	NA	NA	NA	NA	NA	NA	NA	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3389	11/18/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	0.54	<0.5	<0.5	0.72	<0.5	<0.5	1.9	<0.5	**0.024**	<4.0
3390	11/18/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.83	<0.5	**0.011**	<4.0
3395	12/01/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.3**
3419	11/17/04	<0.5	<0.5	2.1	<0.5	<0.5	0.87	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	**6.9**	<0.5	0.0037 J	**27**
3420	11/17/04	NA	NA	NA	NA	NA	NA	NA	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/17/04	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	NA	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	0.86	<0.5	**0.14**	<4.0
3494	11/11/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3498	11/16/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<4.0
3499	11/16/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.0010	<4.0
3530	11/13/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/22/04	<0.5	<0.5	1.2	**67**	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	**2100**	<0.5	<0.5	<0.5	4.8	<0.5	NA	NA

TABLE D-10: Summary of Supplemental Sample Results
Zone 4 Perimeter Groundwater Operable Unit

WELL NUMBER	SAMPLE DATE	1,1,1-TCA (µg/l)	1,1,2-TCA (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	1,2-DCA (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	2,4-DB (µg/l)	Carbon Tet. (µg/l)	Chloroform (µg/l)	Freon-12 (µg/l)	Freon-113 (µg/l)	Methyl chloride (µg/l)	Methylene chloride (µg/l)	PCE(µg/l)	TCE(µg/l)	Xylene (µg/l)	NDMA (µg/l)	Perchlorate (µg/l)
	MCL[1]:	**200**	**5**	**5**	**6**	**0.5**	**6**	**10**	**56[2]**	**0.5**	**80**	**1,000[3]**	**1,200**	**3[3]**	**5**	**5**	**5**	**1,750**	**0.01**	**6**
Layer A Wells																				
3531	11/12/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
	11/22/04	1.7	<0.5	**16**	**200**	**8.8**	0.64	<0.5	NA	**0.52**	1.1	<0.5	**2000**	<0.5	<0.5	<0.5	**98**	2.1	NA	NA
	11/22/04	1.8	<0.5	**16**	**210**	**9**	0.58	<0.5	NA	**0.72**	1.2	<0.5	**1800**	<0.5	<0.5	<0.5	**97**	1.9	NA	NA
4012	11/13/04	<0.5	<0.5	**7.2**	**260**	**9.2**	**6.6**	<0.5	NA	<0.5	4.5	13	700	<0.5	<0.5	<0.5	**200**	<0.5	**1.9**	<4.0
	11/13/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.8**	NA
	11/13/04	<0.5	<0.5	**7**	**270**	**9**	**7.1**	<0.5	NA	<0.5	4.2	<0.5	720	<0.5	**25**	<0.5	**200**	<0.5	NA	NA
4013	11/13/04	<0.5	<0.5	**11**	**190**	**11**	**10**	<0.5	NA	<0.5	4.1	<0.5	1100	<0.5	**42**	<0.5	**150**	<0.5	**6.9**	<4.0
4430	11/13/04	<0.5	0.57	**18**	**1100**	**54**	**8.8**	<0.5	NA	**0.61**	14	<0.5	1100	<0.5	<0.5	<0.5	**290**	<0.5	**0.68**	<4.0
Layer B Wells																				
89	11/13/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3396	12/01/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0
3414	12/01/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0010	<4.0
	12/01/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0010	NA

Notes:

1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. USEPA Integrated Risk Information System (IRIS) Reference Dose as a Drinking Water Level.
3. California State Action Level for Drinking Water (DHS).
4. Drinking Water Health Advisory or Suggested-No-Adverse-Response-Level (SNARLs).

Supplemental sampling was performed based on the results of a separate landfill investigation (ERM, 2004).
Results shown in bold exceed the MCL, Action Level, or other Drinking Water Standard.
Compounds not detected in any wells during the supplemental sampling event are not included in table.

Abbreviations:

MCL = Maximum Contaminant Level
NDMA = N-Nitrosodimethylamine
1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethylene
1,2-DCA = 1,2-Dichloroethane
1,2-DCE = 1,2-Dichloroethylene
2,4-DB = 2,4-Dichlorophenoxybutric acid
Carbon Tet. = Carbon tetrachloride
Freon-12 = Dichlorodifluoromethane
PCE = Tetrachloroethylene
TCE = Trichloroethylene
µg/l = micrograms per liter

TABLE D-11a: Summary of Detects - Miscellaneous Results for Alder Creek NPDES Sampling
January 2002 through July 2004
Zone 4 Perimeter Groundwater Operable Unit

SAMPLE NUMBER	SAMPLE DATE	Perchlorate (µg/l)	Nitrate (as N) (mg/l)	Total Organic Halogen	pH	Temp. (°C)	Electrical Conductivity	Turbidity (ntu)	TDS (mg/L)	Total Hardness (as $CaCO_3$) (mg/L)	Dissolved Oxygen (mg/L)	Chemical Oxygen Demand (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Organic Kjeldahl Nitrogen (mg/L)
	MCL[1]:	**6[2]**	**45**	**none**	**8.5**	**none**	**none**	**5**	**500**	**none**	**none**	**none**	**none**	**none**
S-5	01/23/02	<4	0.33	<30	7.9	7	310	1.1	180	130	13	9.9	0.44	0.41
	04/15/02	<4	<0.011	<30	7.5	17	330	0.77	190	NA	4	12	0.38	0.38
	07/02/02	<4	<0.011	<30	7.6	24	390	0.93	230	180	6	12	0.29	0.25
	10/07/02	<4	<0.011	34	7.7	17.6	390	0.44	240	NA	8.4	9.1	0.26	0.24
	01/08/03	<4	0.64	<30	7.4	9	290	1.8	180	130	10	10	0.29	0.27
	04/07/03	<4	0.022	<30	8	16	280	2.8	160	NA	10	11	0.39	0.35
	07/02/03	<4	<0.011	54	7.9	21	380	0.81	230	160	7.2	11	0.37	0.35
	10/13/03	<4	<0.011	<30	7.7	16.1	370	1.1	230	NA	8.8	9.7	0.22	0.2
	01/12/04	<4	1.1	<30	7.4	11.7	290	1.3	180	120	9.5	12	0.37	0.34
	04/06/04	<4	<0.023	<30	7.9	18.3	350	1.5	210	NA	10	14	0.42	0.39
	07/12/04	<4	<0.023	<30	7.7	22.2	400	1.1	220	160	6.2	13	0.38	0.36
S-6	01/23/02	<4	0.094	<30	7.6	7	250	1.6	150	100	12	19	0.22	0.2
	04/15/02	<4	0.061	<30	7.5	16	250	1.2	150	NA	4.1	13	0.3	0.27
	07/02/02	<4	0.09	<30	7.5	23	260	1.7	160	110	6.4	6	0.17	0.13
	10/07/02	5.5	0.096	<30	7.5	16.6	330	2.1	210	NA	7.3	6.7	0.17	0.15
	01/08/03	<4	0.35	<30	7.5	9	270	2.6	170	110	10	<3	0.22	0.2
	04/07/03	<4	0.056	<30	7.8	15	280	2	170	NA	9	7.8	0.27	0.25
	07/02/03	**12**	0.17	<30	7.6	20	330	2.2	210	130	6.4	5.7	0.25	0.23
	10/13/03	**7**	0.097	<30	7.6	16.1	340	2.3	210	NA	7.6	5.7	0.17	0.16
	01/12/04	<4	0.74	<30	7.6	11.7	260	1.8	170	110	10	9.8	0.22	0.2
	04/06/04	<4	0.06	<30	7.6	17.2	310	2.7	190	NA	8.7	8.4	0.28	0.25
	07/12/04	**6.9**	0.13	<30	7.6	21.2	370	1.7	220	140	5.5	6.9	0.24	0.22

Notes:

1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. California State Action Level for Drinking Water (DHS).

Sample S5 collected from upstream portion of Alder Creek, near eastern Aerojet property boundary.
Sample S6 collected from downstream portion of Alder Creek, east of Aerojet property boundary.
Results shown in bold exceed the MCL or Action Level.
Compounds not detected in any samples during the 2002-2004 Sampling Period are not included in table.
Table taken from separate landfill investigation (ERM, 2004).

Abbreviations:

MCL = Maximum Contaminant Level
µg/l = micrograms per liter
mg/l = milligrams per liter
Temp. = Temperature
°C = Degrees Celsius
ntu = Nephelometric turbidity units
TDS = Total dissolved solids
NA = Not analyzed

TABLE D-11b: Summary of Detects - Metals Results for Alder Creek NPDES Sampling
January 2002 through July 2004
Zone 4 Perimeter Groundwater Operable Unit

SAMPLE NUMBER	SAMPLE DATE	Sample Filtering	Aluminum (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Boron (mg/l)	Calcium (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
		MCL[1]:	**1.0**	**0.05**	**1.0**	**1.0[2]**	**none**	**1.3**	**0.3**	**0.015**	**none**	**0.05**	**none**	**69[3]**	**0.05[2]**	**5.0**
S-5	01/23/02	Total	0.068	<0.005	0.036	0.034	26	0.0037	0.13	<0.005	17	0.016	1.2	12	0.0016	<0.025
	01/23/02	Dissolved	<0.050	<0.005	0.051	0.044	26	0.0024	<0.075	<0.005	17	0.015	1.1	13	<0.0015	0.034
	04/15/02	Total	NA	NA	NA	NA	29	NA	NA	NA	19	NA	<2	14	NA	NA
	07/02/02	Total	<0.050	0.0033	0.051	0.032	34	<0.0015	0.17	<0.0020	22	**0.05**	0.78	16	0.0027	<0.025
	07/02/02	Dissolved	<0.050	0.0033	0.085	0.052	32	<0.0015	<0.075	<0.0020	21	0.035	0.71	16	0.0022	0.066
	10/07/02	Total	NA	NA	NA	NA	32	NA	NA	NA	20	NA	<2	15	NA	NA
	01/08/03	Total	<0.050	<0.0020	0.035	0.033	24	0.0017	0.16	<0.0020	16	0.021	1.1	12	0.0018	<0.025
	01/08/03	Dissolved	<0.050	<0.0020	0.061	0.048	24	0.0018	<0.075	0.003	16	0.019	1.1	12	0.0016	0.061
	04/07/03	Total	NA	NA	NA	NA	24	NA	NA	NA	15	NA	2.2	12	NA	NA
	07/02/03	Total	<0.050	0.0032	0.044	0.032	30	<0.0015	0.17	<0.0020	21	0.025	0.95	15	0.0024	<0.025
	07/02/03	Dissolved	<0.050	0.003	0.069	0.034	29	<0.0015	<0.075	<0.0020	21	0.022	1.1	15	0.0024	<0.025
	10/13/03	Total	NA	NA	NA	NA	31	NA	NA	NA	21	NA	<2	15	NA	NA
	01/12/04	Total	<0.050	<0.0020	0.035	0.035	24	0.0023	0.15	<0.0020	16	0.033	1.1	12	0.0017	<0.025
	01/12/04	Dissolved	<0.050	<0.0020	0.033	0.033	23	0.002	<0.075	<0.0020	15	0.027	1.1	11	<0.0015	<0.025
	04/06/04	Total	NA	NA	NA	NA	30	NA	NA	NA	20	NA	<2	14	NA	NA
	07/12/04	Total	<0.050	0.0038	0.044	0.033	30	<0.0015	0.18	<0.0020	21	**0.077**	0.52	15	0.0023	<0.025
	07/12/04	Dissolved	<0.050	0.0035	0.043	0.031	29	0.0019	0.095	<0.0020	21	**0.067**	<0.5	15	0.0019	<0.025
S-6	01/23/02	Total	<0.050	<0.0050	0.051	0.027	20	0.0022	0.37	<0.0050	13	**0.086**	1.1	12	0.0018	<0.025
	01/23/02	Dissolved	<0.050	0	0.068	0.042	20	0.0027	0.21	<0.0050	12	**0.08**	0.93	12	<0.0015	0.041
	04/15/02	Total	NA	NA	NA	NA	21	NA	NA	NA	13	NA	<2	14	NA	NA
	07/02/02	Total	<0.050	0.0023	0.065	0.03	21	<0.0015	**0.39**	<0.0020	13	**0.12**	0.88	13	0.0022	<0.025
	07/02/02	Dissolved	<0.050	0.0021	0.12	0.055	21	<0.0015	0.18	<0.0020	12	**0.085**	0.85	13	0.002	0.065
	10/07/02	Total	NA	NA	NA	NA	26	NA	NA	NA	16	NA	<2	16	NA	NA
	01/08/03	Total	<0.050	<0.0020	0.055	0.03	22	<0.0015	**0.43**	<0.0020	14	**0.082**	0.94	13	0.0019	<0.025
	01/08/03	Dissolved	<0.050	<0.0020	0.053	0.031	22	<0.0015	0.13	<0.0020	14	**0.076**	1.1	13	0.0016	<0.025
	04/07/03	Total	NA	NA	NA	NA	23	NA	NA	NA	14	NA	<2	13	NA	NA
	07/02/03	Total	<0.050	0.0025	0.08	0.042	26	<0.0015	**0.4**	<0.0020	16	**0.14**	1.2	17	0.0027	<0.025
	07/02/03	Dissolved	<0.050	<0.0020	0.076	0.04	25	<0.0015	0.15	<0.0020	16	**0.089**	1.0	17	0.0025	<0.025
	10/13/03	Total	NA	NA	NA	NA	28	NA	NA	NA	18	NA	<2	17	NA	NA
	01/12/04	Total	<0.050	0.0023	0.051	0.03	21	<0.0015	**0.38**	<0.0020	13	**0.071**	0.99	12	0.0018	<0.025
	01/12/04	Dissolved	<0.050	<0.0020	0.049	0.03	20	<0.0015	0.19	<0.0020	13	**0.067**	0.89	12	<0.0015	<0.025
	04/06/04	Total	NA	NA	NA	NA	25	NA	NA	NA	16	NA	<2	15	NA	NA
	07/12/04	Total	<0.050	0.0025	0.071	0.04	27	<0.0015	0.23	<0.0020	18	0.034	0.74	17	0.0022	<0.025
	07/12/04	Dissolved	<0.050	<0.0020	0.07	0.039	27	<0.0015	0.09	<0.0020	18	0.029	0.85	17	0.0024	<0.025

Notes:
1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. California State Action Level for Drinking Water (DHS).
3. Agricultural Water Quality Limit.

Sample S5 collected from upstream portion of Alder Creek, near eastern Aerojet property boundary.
Sample S6 collected from downstream portion of Alder Creek, east of Aerojet property boundary.
Samples filtered prior to laboratory analysis are denoted by "Dissolved" concentration. Unfiltered samples denoted by "Total" concentration.
Results shown in bold exceed MCL, Action Level or Water Quality Limit.
Metals not detected in any samples during the 2002-2004 Sampling Period are not included in table.
Table taken from separate landfill investigation (ERM, 2004).

Abbreviations:
MCL = Maximum Contaminant Level
mg/l = milligrams per liter
NA = Not analyzed

TABLE D-11c: Summary of Detects - Miscellaneous Supplemental Sampling for Alder Creek
December 2004
Zone 4 Perimeter Groundwater Operable Unit

SAMPLE NUMBER	SAMPLE DATE	Acetone (µg/L)	Chloromethane (µg/L)	Naphthalene (µg/L)	Perchlorate (µg/L)	NDMA (µg/L)	pH	Temperature (°C)	Specific Conductivity (µmhos/cm)	Total Suspended Solids (mg/L)	Total Dissolved Solids (µg/L)	Total Hardness (as $CaCO_3$) (mg/L)	Dissolved Oxygen (mg/L)
	MCL[1]:	**20,000[2]**	**3[3]**	**170[4]**	**6[4]**	**0.01[4]**	**none**	**none**	**900**	**none**	**0.5**	**none**	**none**
Alder Creek 1	12/17/04	2.4 J	0.19 J	0.17 J	<4	<0.002	7.5	8.6	300	<10	0.186	130	9.5
Alder Creek 2	12/17/04	3.1 J	<0.14	<0.1	<4	**0.014**	7.5	9.2	300	11	0.172	120	10.4
Alder Creek 3	12/17/04	3.4 J	<0.14	<0.1	<4	NA	7.5	9.9	310	<10	0.189	130	10.5
Alder Creek 3	12/23/04[1]	NA	NA	NA	NA	<0.002	NA	NA	NA	NA	NA	NA	NA

Notes:
1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. Taste and Odor Threshold.
3. Drinking Water Health Advisory or Suggested-No-Adverse-Response Levels (SNARLs) for toxicity other than cancer risk.
4. California State Action Level for Drinking Water (DHS).
5. Bottles with samples collected December 17, 2004 for NDMA analysis were broken during transit. Resampled on December 23, 2004.

VOCs not detected in any samples are not included in table.
Results shown in bold exceed MCL, Action Level, SNARL, or Taste and Odor Threshold.
Table taken from separate landfill investigation (ERM, 2004).

Abbreviations:
µg/L = Micrograms per liter
NDMA = N-nitrosodimethylamine
°C = degrees Celsius
µmhos/cum = Micromhos per centimeter at 25° Celsius
mg/L = milligrams per liter
$CaCO_3$ = Calcium carbonate
MCL = Maximum Contaminant Level
J = Estimated concentration
NA = Not analyzed

TABLE D-11d: Summary of Detects - Metals Supplemental Sampling for Alder Creek
December 2004
Zone 4 Perimeter Groundwater Operable Unit

Sample Location	Sample Date	Barium (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Copper (µg/L)	Magnesium (µg/L)	Selenium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
	MCL[1]:	**1,000**	**5**	**none**	**1,300**	**none**	**50**	**50[2]**	**5,000**
Alder Creek 1	12/17/04	50	<10	24,000	<10	16,000	<100	<10	8 J
Alder Creek 2	12/17/04	48	2.9 J	23,000	<10	15,000	19 J	<10	6.6 J
Alder Creek 3	12/17/04	46	3 J	26,000	2.6 J	17,000	<100	2.7 J	<20

Notes:
1. California Department of Health Services (DHS) Primary or Secondary Maximum Contaminant Level (MCL).
2. California State Action Level for Drinking Water (DHS).
Metals not detected in any samples are not included in table.
Table taken from separate landfill investigation (ERM, 2004).

Abbreviations:
MCL = Maximum Contaminant Level
µg/L = microgram per liter
J = Estimated concentration
NA = Not analyzed