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University of California, Livermore, California 94550

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2006 Annual Compliance Monitoring Report Lawrence Livermore National Laboratory Site 300

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March 31, 2007

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Environmental Restoration Division

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1. Introduction

This Compliance Monitoring Report (CMR) summarizes the Lawrence Livermore National Laboratory (LLNL) Site 300 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Remedial Action compliance monitoring activities performed during January through December 2006. The report is submitted in compliance with the Compliance Monitoring Plan (CMP)/Contingency Plan for Interim Remedies at Lawrence Livermore National Laboratory Site 300 (Ferry et al., 2002). As agreed to with the Regional Water Quality Control Board (RWQCB), the Central and Eastern General Services Area (GSA) monitoring data, which were collected in compliance with the GSA CMP (Rueth, 1998) and Eastern GSA Substantive Requirements, are also included in this report.

During the reporting period of January through December 2006, 30,594 thousands of gallons of ground water and 79,479 thousands of cubic feet of soil vapor were treated at Site 300, removing approximately 50,000 grams (g) of volatile organic compounds (VOCs), 180 g of perchlorate, 1,000 kilograms (kg) of nitrate, 150 g of RDX, and 29 g of tetrabutyl orthosilicate (TBOS) (Table Summ-1).

Since remediation began in 1991, approximately 347,798 thousands of gallons of ground water and over 265,840 thousands of cubic feet of soil vapor have been treated, removing approximately 440 kilograms (kg) of VOCs, 580 g of perchlorate 4,400 kg of nitrate, 0.71 kg of RDX, and 9.4 kg of TBOS (Table Summ-2).

2. Extraction and Treatment System Monitoring and Ground and Surface Water Monitoring Programs

Section 2 presents the monitoring results for the Site 300 remediation systems, ground water monitoring network, and surface water sampling and analyses. These results are presented and discussed by operable unit (OU) as follows:

2.1. General Services Area OU 1

2.2. Building 834 OU 2

2.3. Pit 6 Landfill (Pit 6) OU 3

2.4. High Explosive Process Area OU 4

2.5. Building 850 OU 5

2.6. Building 854 OU 6

2.7. Building 832 Canyon OU 7

2.8. Site-Wide OU 8 (Building 833, Building 801, Building 845, Building 851)

The locations of the Site 300 OUs are shown in Figure 2-1. The Pit 2, 8, and 9 Landfills (OU 8) are discussed in Section 3.

Total VOC isoconcentration contour maps were constructed by summing the results of the following VOCs: trichloroethene (TCE); tetrachloroethene (PCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-DCE; carbon tetrachloride; chloroform; 1,1-dichlorethane (DCA); 1,2-DCA; 1,1-DCE; 1,1,1-trichloroethane (TCA); Freon 11; Freon 113; 1,1,2-TCA; and vinyl chloride. The resultant sums were rounded to two significant figures before plotting on the maps.

Second semester 2006 data were used for primary contaminants of concern (COC) isoconcentration contour maps. The primary COC data were over-laid onto second semester extent of saturation so that the concentration data would agree temporally with the ground water level data. Secondary COC data were obtained from first semester 2006 sampling events, so these contours were over-laid onto first semester extent of saturation. As a result, in some cases the maximum concentration reported in the text for a particular COC might not agree with the posted value on the contour map because the maximum concentration sample was collected during the other semester.

Treatment facility operations and maintenance issues that occurred during the second semester of 2006 and influent and effluent analytical data collected during second semester 2006 are included in this report. Treatment facility pH, and dissolved oxygen data collected during the second semester of 2006 are presented in Appendix A. Ground and surface water monitoring analytical data and ground water elevations for the entire calendar year 2006 are presented in Appendices B and C, respectively.

During 2006, 10 compliance monitor wells, 4 extraction wells, 1 characterization monitor well, and 5 boreholes were installed. Table 2-1 lists the wells and boreholes installed during 2006. Analytical results for soil samples collected and analyzed during 2006 are presented in Appendix D.

2.1. General Services Area (GSA) OU1

The GSA OU consists of the Eastern and Central GSA areas.

The source of contamination in the Eastern GSA is an abandoned debris burial trench that received craft shop debris. Leaching of solvents on the debris resulted in the release of contaminants to ground water.

A ground water treatment system (GWTS) has been operating in the Eastern GSA since 1991 to remove VOCs from ground water. VOC-contaminated ground water is extracted from three wells (W-26R-03, W-25N01, and W-25N-24), located downgradient from the debris burial trenches at a combined flow rate of 45 gallons per minute (gpm). The extracted ground water is treated in three 1,000-pound granular activated carbon units that remove VOCs through adsorption. The treated effluent water is discharged to nearby Corral Hollow Creek.

A map of the Eastern GSA, showing the locations of monitoring and extraction wells and the treatment facility is presented in Figure 2.1-1.

At the Central GSA, chlorinated solvents, mainly TCE, were used as degreasing agents in craft shops, such as Building 875. Rinse water from these degreasing operations was disposed of in dry wells. Typically, dry wells were gravel-filled holes about 3 to 4 feet deep and two feet in diameter. The Central GSA dry wells were used until 1982. In 1983 and 1984, these dry wells were decommissioned and excavated.

The Central GSA GWTS treats ground water for VOCs and has been in operation since 1992. Contaminated ground water is extracted from eight wells (W-7I, W-875-07, W-875-08, W-873-07, W-872-02, W-7O, W-7P, and W-7R) at an approximate combined flow rate of 4.4 gpm. The current GWTS configuration includes particulate filtration, air stripping to remove

VOCs from extracted water, and granular activated carbon (GAC) to treat vapor effluent from the air stripper. Treated ground water is discharged to the surrounding natural vegetation using misting towers. Treated vapors are discharged to the atmosphere under permit from the San Joaquin Valley Unified Air Pollution Control District.

The Central GSA soil vapor extraction (SVE) and treatment system treats soil vapor for VOCs and has been in operation in the GSA adjacent to the Building 875 dry well contaminant source area since 1994. Three wells (W-875-07, W-875-08, and W-875-10) extract soil vapor at an approximate flow rate of 17.6 standard cubic feet per minute (scfm). Vapor extraction from W-7I was discontinued in November of 2005 due to lack of vapor flow. Simultaneous ground water extraction in the vicinity lowers the elevation of the ground water surface and maximizes the volume of unsaturated soil influenced by vapor extraction. The current SVE configuration includes a water knockout chamber, a rotary vane blower, and four 140-lb vapor-phase GAC columns arranged in series. Treated vapors are discharged to the atmosphere under permit from the San Joaquin Valley Unified Air Pollution Control District.

A map of the Central GSA, showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.1-2.

2.1.1. GSA Ground Water and Soil Vapor Extraction and Treatment System Operations and Monitoring

This section is organized into five subsections: facility performance assessment; operations and maintenance issues; receiving water monitoring; compliance summary; and sampling plan evaluation and modifications.

2.1.1.1. GSA Facility Performance Assessment

The monthly ground water and soil vapor discharge volumes and rates and operational hours are summarized in Table 2.1-1 and 2.1.2. The total volume of ground water and vapor extracted and treated and mass removed during the reporting period is presented in Table Summ-1. The cumulative volume of ground water and soil vapor treated and discharged and mass removed is summarized in Table Summ-2. Analytical results for influent, effluent, and receiving water samples are shown in Tables 2.1-3 through 2.1-10. The pH, dissolved oxygen, and temperature measurement results are presented in Appendix A. Eastern GSA receiving water field data and visual observations are presented in Appendix E.

2.1.1.2. GSA Operations and Maintenance Issues

There were no operations and maintenance issues at the Eastern GSA during the reporting period. Continuous operations of the Central GSA GWTS and SVE were interrupted by the following routine maintenance activities and equipment failures:

- Routine maintenance was performed on September 21st.
- A new compressor was installed on September 27th at the Central GSA SVE system.
- Central GSA was offline from September 28th to October 11th while the system blower was repaired.
- Central GSA was shutdown from October 31st to November 1st for maintenance of the bag filters.

2.1.1.3. GSA Receiving Water Monitoring

No surface water was present in Corral Hollow Creek during the entire second semester 2006 to necessitate Eastern GSA receiving water monitoring. Therefore, no analytical data for receiving water is included in any of the General Services Area analytical tables. The lack of continuous flow is documented in the field measurements and visual observations of the upstream and downstream monitoring points presented in Appendix E.

2.1.1.4. GSA Compliance Summary

The Central GSA GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge during the second semester 2006. The Central GSA SVE system operated in compliance with the San Joaquin Valley Unified Air Pollution Control District permit limitations.

The Eastern GSA GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge during the second semester 2006. The RWQCB has given LLNL permission to discharge a subset of constituents above discharge limits until 2010. The only constituents for which the treatment facility effluent exceeded these limits were selenium, specific conductance, and sulfate. Selenium was detected in the GWTS effluent samples collected in July and October 2006 at 6.6 μg/L and 3.5 μg/L, respectively. Although neither result exceeded the daily maximum discharge limit of 8.2 μg/L, the average of these two results, 5.1 μg/L, does exceed the monthly average discharge limit of 4.1 μg/L for selenium. Sulfate concentrations detected in the GWTS effluent samples collected in July and October 2006 (340 milligrams per liter (mg/L) and 350 mg/L, respectively) were also above the maximum daily effluent limit of 250 mg/L. The specific conductance of all effluent samples collected during the semester were above the monthly average of 900 micro ohms per centimeter (μmhos/cm), and ranged from 1,500 μmhos/cm to 1,600 μmhos/cm. Issues regarding discharge limits are included in the EGSA Remediation Optimization Plan (Ferry and Holtzapple, 2006). As discussed in this plan, the Department of Energy (DOE) have committed to be within compliance for these constituents by 2010 or this facility will be shut down.

Eastern GSA Monitoring and Reporting Program Certification

Per the requirements of the Eastern GSA Monitoring And Reporting Program (CRWQCB, 2005), the names and telephone numbers of persons to contact regarding the facility for emergency and routine situations are provided below:

Gregory Santucci, (925) 422-3089

Edwin Folsom, (925) 422-0389

The Operations and Maintenance (O&M) Manual for the Central and Eastern GSA extraction and treatment systems were last updated in 2004 (Daily, 2004) and 2006 (LLNL, 2006), respectively and are still relevant to the current operating systems.

The GSA Contingency Plan was developed during the remedial design phase and included in the Remedial Design report (Rueth, 1998). The Contingency Plan was reviewed and is still relevant to the current operating system.

2.1.1.5. GSA Facility Sampling Plan Evaluation and Modifications

The GSA treatment facility sampling and analysis plans comply with Substantive Requirements and the GSA CMP (Rueth, 1998) monitoring requirements. The treatment facility sampling and analysis plans are presented in Table 2.1-11. There were no modifications made to the plan during the reporting period.

2.1.2. GSA Surface Water and Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; eleven required analyses were not performed because there was insufficient water in the wells to collect the samples. The sampling and analysis plans for ground water and surface water monitoring at the Central and Eastern GSA are presented in Tables 2.1-12 and 2.1.13, respectively. These tables also delineate and explain deviations from the sampling plan and indicate any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface maps of the Eastern and Central GSA are presented in Figures 2.1-3 and 2.1-4, respectively. Ground water elevations are presented in Appendix C.

2.1.3. GSA Remediation Progress Analysis

This section is organized into four subsections: mass removal; analysis of contaminant distribution and concentration trends; remediation optimization evaluation; and performance issues.

2.1.3.1. GSA Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Tables 2.1-14 and 2.1-15. The cumulative mass estimates are summarized in Table Summ-2.

2.1.3.2. GSA Contaminant Concentrations and Distribution

VOCs are the COCs in ground water at the Eastern GSA. VOCs are present at very low concentrations in ground water within Quaternary alluvial deposits (Qal) that directly overlie the $Tnbs_1$ bedrock. A total VOC isoconcentration contour map based on data collected during the second semester 2006 for this shallow Qal-$Tnbs_1$ hydrostratigraphic unit (HSU) is presented in Figure 2.1.5.

Within the Qal-$Tnbs_1$ HSU, total VOC concentrations detected in samples during the second semester 2006 ranged from 4.4 μg/L (W-26R-01, December 2006) to <0.5 μg/L. Total VOCs were detected in a sample from only one $Tnbs_1$ well, W-25N-08, at a concentration of 0.61 μg/L (November 2006). Since extraction and treatment began at the Eastern GSA in 1991, TCE concentrations in ground water have decreased from a historical maximum of 74 μg/L to below analytical reporting limits (0.5 μg/L) in the majority of wells. The number of wells with TCE concentrations exceeding the MCL has decreased from 18 to 0. Second semester 2006 data indicate that remediation of Eastern GSA ground water has successfully reduced concentrations of TCE and other VOCs to below their drinking water maximum contaminant levels (MCL) in all wells.

VOCs are the COCs in ground water and soil vapor at the Central GSA. There are three primary HSUs in the Central GSA:

- Qt-$Tnsc_1$ HSU, a shallow water-bearing zone in the western portion of the Central GSA. This HSU includes saturated Qt deposits, and the $Tnbs_2$ sandstone and $Tnsc_1$ siltstone/claystone bedrock units that subcrop beneath the Qt.
- $Tnbs_1$ HSU, a deeper regional aquifer within the western portion of the Central GSA which consists of $Tnbs_1$ sandstone bedrock.
- Qal-$Tnbs_1$ HSU, a shallow water-bearing zone within the eastern portion of the Central GSA. In the eastern portion of the Central GSA (near the sewage treatment pond), Qt deposits and the $Tnbs_2$ and $Tnsc_1$ bedrock units are not present. Qal deposits directly overlie the shallow $Tnbs_1$ bedrock that comprises the Qal-$Tnbs_1$ HSU in this area.

A VOC plume exists within the Qt-$Tnsc_1$ and Qal-$Tnbs_1$ HSUs in the Central GSA. A total VOC isoconcentration contour map based on data collected during the second semester 2006 for these HSUs is presented in Figure 2.1.6.

Within the Qt-$Tnsc_1$ and Qal-$Tnbs_1$ HSUs, total VOC concentrations during the second semester 2006 ranged from a maximum of 360 μg/L (October 2006) in the Building 875 dry well pad area to <0.5 μg/L. VOCs were not detected in ground water samples from wells in the deeper $Tnbs_1$ HSU that underlies the Qt-$Tnsc_1$ HSU. In the vicinity of the sewage treatment pond, where Qal deposits directly overlie the $Tnbs_1$ bedrock, VOCs were detected at low concentrations in a sample from only one $Tnbs_1$ well, W-7N, at a concentration of 0.6 μg/L (November 2006). Prior to remediation, the maximum total VOC concentration detected in Central GSA ground water was 272,000 μg/L (1992), compared to the current (second semester 2006) maximum of 360 μg/L. This decline in VOC concentrations exemplifies the effectiveness of the cleanup operations. The overall extent of ground water impacted by VOCs in Central GSA has not changed significantly over the last few years. However, the extent of wells with VOCs with concentrations greater than 1,000 μg/L has disappeared as a result of remediation efforts.

The Central GSA SVE system was operating fulltime during the second semester 2006, except while the blower was repaired from September 28 to October 11, 2006. A TCE soil vapor concentration contour map is presented in Figure 2.1-7 and depicts the extent of TCE vapor on October 11, 2006 just prior to re-start of the SVE system. The extent and magnitude of the vapor plume is slightly larger than that depicted during the first semester 2006, and represents minor rebound of TCE vapor during the two-week SVE shutdown period.

2.1.3.3. GSA Remediation Optimization Evaluation

At the Eastern GSA, the GWTS continued to adequately capture the remaining VOC concentrations in ground water emanating from the debris burial pit. During the second semester 2006, no modification of the extraction wellfield was made. DOE/LLNL has proposed to initiate the "Requirements for Closeout" described in the Remedial Design for the GSA Operable Unit (OU) (Rueth et al., 1998). These requirements specify that, "when VOC concentrations in ground water have been reduced to cleanup standards, the ground water extraction and treatment system will be shut off and placed on standby." During the second semester 2006, DOE/LLNL continued to await agency approval to shut off the treatment system. DOE/LLNL expect to shut off the Eastern GSA GWTS in early 2007. As required, ground water monitoring will be conducted to determine if VOC concentrations rise or "rebound" above cleanup standards after extraction ceases. No additional action is expected to achieve cleanup standards unless monitoring indicates that VOC concentrations rebound.

At the Central GSA, pumping at W-7O, W-7I, W-875-07, and W-875-08 continued to adequately capture the highest concentrations in ground water emanating from the Building 875 dry wells source area. During the second semester of 2006, no modification of the extraction wellfield was made. Extraction wells W-7O, W-7R, and W-7P removed the majority of ground water while extraction wells W-7I, W-875-07, W-875-08, W-873-07 and W-872-02 removed lesser amounts of ground water.

2.1.3.4. GSA OU Remedy Performance Issues

There were no issues that affect the performance of the cleanup remedy for the GSA OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup.

2.2. Building 834 (B834) OU2

The Building 834 Complex has been used to test the stability of weapons and weapon components under various environmental conditions since the 1950s. Past spills, piping leaks, and septic system leachate at the Building 834 Complex have resulted in soil and ground water contamination with VOCs, TBOS, and nitrate. In addition, a former underground diesel storage tank released diesel to the subsurface. A map of Building 834 OU showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.2-1.

GWTS and SVE systems have been operating in the Building 834 OU since 1995 and 1998, respectively. These systems are located in the main part of the Building 834 Complex, referred to as the Building 834 core area. The GWTS treats VOCs, nitrate, and TBOS within the Tpsg HSU and the SVE system treats VOCs in the vadose zone. The area immediately to the southwest of the core area is the leachfield area and further to the south is the distal (T2) area. Due to the very low ground water yield from individual ground water extraction wells (<0.1 gpm), the GWTS and SVE systems have been operated simultaneously in batch mode. Although the GWTS can be operated alone, the SVE system is not operational without ground water extraction due to the upconing of the ground water in the well that covers the well screen and prevents soil vapor flow.

The current extraction wellfield consists of 13 extraction wells for both ground water and soil vapor extraction. Ten extraction wells (W-834-B2, -B3, -D4, -D5, -D6, -D7, -D12, -D13, -J1, and -2001) are located within the core area and three (W-834-S1, -S12A, and -S13) in the leachfield portion of the distal area. Ground water and soil vapor extraction well W-834-2001 was added to the system in March 2006. Extracted ground water from this well contains dissolved-phase diesel related to the former underground diesel storage tank. The GWTS extracts ground water at an approximate combined flow rate of 0.25 gpm and the SVE extracts soil vapor at a combined flow rate of 105 scfm. The current GWTS configuration includes floating hydrocarbon adsorption devices to remove the floating silicon oil, TBOS, and any floating diesel, followed by aqueous-phase GAC to remove VOCs and dissolved-phase TBOS and diesel from ground water. Nitrate-bearing treated effluent is then discharged via a misting tower over the landscape for uptake and utilization of the nitrate by indigenous grasses. The current SVE configuration includes vapor-phase GAC for VOC removal. Treated vapors are discharged to the atmosphere under an air permit from the San Joaquin Valley Unified Air Pollution Control District.

2.2.1. Building 834 OU Ground Water and Soil Vapor Extraction and Treatment System Operations and Monitoring

This section is organized into four subsections: facility performance assessment; operations and maintenance issues; compliance summary; and sampling plan evaluation and modification.

2.2.1.1. Building 834 OU Facility Performance Assessment

The monthly ground water and soil vapor discharge volumes and rates and operational hours are summarized in Table 2.2-1. The total volume of ground water and vapor extracted and treated and mass removed during the reporting period is presented in Table Summ-1. The cumulative volume of ground water and soil vapor treated and discharged and mass removed is summarized in Table Summ-2.

Analytical results for influent and effluent samples are shown in Tables 2.2-2 through 2.2-5. The pH measurement results are presented in Appendix A.

2.2.1.2. Building 834 OU Operations and Maintenance Issues

During the reporting period, continuous operations of the Building 834 GWTS and SVE were interrupted by an electrical problem with the air compressor on December 13th. The compressor was repaired, however, the facility remained offline for the rest of the reporting period to prevent freeze damage.

2.2.1.3. Building 834 OU Compliance Summary

The Building 834 GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge. The Building 834 SVE and treatment system operated in compliance with the San Joaquin Valley Unified Air Pollution Control District permit limitations.

2.2.1.4. Building 834 OU Facility Sampling Plan Evaluation and Modifications

The Building 834 treatment facility sampling and analysis plan complies with CMP monitoring requirements. The sampling and analysis plan is presented in Table 2.2-6. There were no modifications made to the plan during the reporting period.

2.2.2. Building 834 OU Ground Water Monitoring

During this reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; seventy-eight required analyses were not performed because there was insufficient water in the wells to collect the samples. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.2-7. This table also delineates and explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

A ground water potentiometric surface map for the Tpsg HSU is presented in Figure 2.2-2. Ground water elevations in the Tps-Tnsc2 HSU are presented in Figure 2.2-3. Ground water elevations are presented in Appendix C.

2.2.3. Building 834 OU Remediation Progress Analysis

This section is organized into four subsections: mass removal, analysis of contaminant distribution and concentration trends, remediation optimization evaluation, and performance issues.

2.2.3.1. Building 834 OU Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Table 2.2-8. The cumulative mass estimates are summarized in Table Summ-2.

2.2.3.2. Building 834 OU Contaminant Concentrations and Distribution

At the Building 834 OU, VOCs are the primary COCs detected in ground water; TBOS and nitrate are the secondary COCs. These COCs have been identified in two shallow HSUs: the Tpsg perched water-bearing gravel zone and the underlying Tps-Tnsc$_2$ perching horizon.

Total VOC concentration data are contoured for the Tpsg HSU and posted for the Tps-Tnsc$_2$ HSU based on data collected during the second semester 2006 and are presented in Figures 2.2-4 and 2.2-5, respectively. Concentration maps for the secondary COCs based on data collected during the first semester 2006 are presented in Figures 2.2-6 and 2.2-8 for the perched Tpsg HSU and in Figures 2.2-7 and 2.2-9 for the Tps-Tnsc$_2$ HSU.

2.2.3.2.1. Total VOCs Contaminant Concentrations and Distribution

Total VOC concentrations have decreased from a pre-remediation maximum of 1,060,000 μg/L in 1993 to a maximum of 221,000 μg/L (W-834-A1, July 2006) in the second semester 2006. The highest VOC concentrations continue to be detected in the Building 834 core area ground water. However, the historical maximum concentration of 1,060,000 μg/L was detected in the Tpsg HSU, while the second semester 2006 maximum of 221,000 μg/L was detected in the underlying Tps-Tnsc$_2$ HSU perching horizon. Remediation has significantly reduced VOC concentrations in the more permeable Tpsg HSU to a 65,223 μg/L (W-834-C5, July 2006) maximum in the second semester 2006. Although the maximum VOC ground water concentration in this OU was detected in the Tps-Tnsc$_2$ HSU, VOC concentration trends in this HSU show stable to slightly decreasing trends.

Historical and 2006 VOC concentrations in Tpsg and Tps-Tnsc$_2$ HSU ground water are significantly lower in the leachfield and distal areas than in the core area. In addition, the extent of VOCs in Tps-Tnsc$_2$ HSU ground water in the leachfield and distal areas in second semester 2006 was limited to one or two wells. Total VOC concentrations have decreased from a pre-remediation maximum of 179,200 μg/L in 1988 to a second semester 2006 maximum of 27,000 μg/L (W-834-2113, August 2006) in the leachfield area, and from an historical maximum of 86,000 μg/L in 1988 to a second semester 2006 maximum of 19,000 μg/L (W-834-2117, August 2006) in the distal area. VOC concentrations from leachfield and distal area wells screened within the Tps-Tnsc$_2$ HSU show stable to slightly decreasing trends.

Total VOCs remain below detection limits in the deep Tnbs$_1$ guard wells, W-834-T1 and W-834-T3.

While the overall extent of VOCs in core and leachfield area ground water has not changed significantly, the extent of VOCs with concentrations greater than 10,000 μg/L has decreased significantly since remediation began at Building 834. VOC concentrations and its extent in ground water are expected to continue to decrease over time as remediation progresses. VOC concentrations and plume extent have remained relatively stable in the distal area primarily because ground water extraction and treatment has not yet been initiated in this area. *In situ* bioremediation is being evaluated in this area as part of a long-term treatability test and the current status is described in subsection 2.2.3.4. Ground water extraction would be initiated if the results of the treatability test indicate that *in situ* bioremediation is not a viable treatment method for VOCs in this area.

TCE biodegradation continues within the core area where significant amounts of TBOS are present and serve as an electron donor for intrinsic *in situ* biodegradation. The primary byproduct of this biodegradation has historically been cis-1,2-DCE, although limited vinyl chloride has also been detected. Both cis-1,2-DCE and vinyl chloride were detected in core area ground water in 2006. While low concentrations of the electron donor TBOS and the breakdown product cis-1,2-DCE have been periodically detected in some leachfield area wells, no vinyl chloride has ever been detected in this area. This indicates that while some intrinsic biodegradation may be taking place in this area, the biodegradation reaction may not be complete.

2.2.3.2.2. TBOS Contaminant Concentrations and Distribution

During 2006, the maximum TBOS ground water concentrations detected in ground water samples in the Building 834 OU was 15,000 μg/L (W-834-D3, March 2006). The maximum historical TBOS concentration in the Building 834 OU was 7,300,000 μg/L in 1995. TBOS continues to be detected at high concentrations almost exclusively in the core area where this compound exists as floating product. An interface probe was used to detect floating TBOS in core area wells W-834-D3 and W-834-D4 in November 2006. No floating product was detected in either well. The highest TBOS concentrations can vary by orders-of-magnitude from one sampling event to the next. This is most likely due to varying amounts of free-phase TBOS in the sample. TBOS concentrations in Tpsg HSU wells in the leachfield and distal area are two orders-of-magnitude lower than the core area concentrations, with a maximum 2006 concentrations of 17 μg/L (W-834-S1, July 2006) and 28 μg/L (W-834-T2A, March 2006), respectively.

Both the concentrations and extent of TBOS in ground water are greater in the Tpsg HSU than in the underlying Tps-Tnsc$_2$ HSU perching horizon. In 2006, TBOS was detected in only three Tps-Tnsc$_2$ HSU wells at a maximum concentration of 48 μg/L (W-834-2001, March 2006). TBOS continues to remain below reporting limits in the deep Tnbs$_1$ guard wells, W-834-T1 and W-834-T3.

2.2.3.2.3. Nitrate Contaminant Concentrations and Distribution

Nitrate was detected in samples in Tpsg and Tps-Tnsc$_2$ HSU ground water at concentrations exceeding the 45 mg/L MCL in the Building 834 core, leachfield, and distal areas. Nitrate concentrations in Tpsg HSU ground water ranged from a maximum of 330 mg/L (W-834-S7, March 2006) to less than the 0.5 mg/L reporting limit. Nitrate concentrations in Tps-Tnsc$_2$ HSU ground water ranged from a maximum of 110 mg/L (W-834-2119, March 2006) to less than the 0.5 mg/L reporting limit. A combination of both natural and anthropogenic (e.g., septic) sources are likely contributing to the nitrate in Building 834 OU ground water.

While nitrate concentrations have decreased from a historical maximum of 749 mg/L in 2000, the high concentrations detected in 2006 indicate a continuing contribution from natural sources in the bedrock and the septic system.

Both the concentrations and extent of nitrate in ground water are greater in the Tpsg HSU than in the underlying Tps-Tnsc$_2$ HSU perching horizon. The source of nitrate in the core area is unknown. There may be multiple anthropogenic and natural sources. Nitrate concentrations in the core area vary spatially and temporally related to denitrification associated with the intrinsic *in situ* biodegradation. The nitrate influent concentration to the treatment facility has continued to exhibit an increasing trend since the initial startup in October of 2004. Concentrations have increased from 35 mg/L in October 2004 to 86 mg/L in October 2006. This increase could be due to the introduction of oxygen into the subsurface during SVE operation that subdues intrinsic biodegradation and denitrification.

Nitrate levels in the leachfield area are presumably due to a large anthropogenic component associated with the septic system. The source of elevated nitrate levels in the distal area is unknown. The elevated concentrations may be related to a past slug of nitrate-bearing waste fluids discharged to the septic system long ago which have migrated downgradient to the distal area. It is also possible that there is a significant natural source.

Nitrate was not detected in guard wells W-834-T1 and W-834-T3 during 2006.

2.2.3.2.4. Other Contaminant Concentrations and Distribution

The extent of diesel in ground water appears to be limited to a very small area near the previous location of an underground storage tank. Diesel fuel was detected in two wells, W-834-2001 and W-834-U1, at concentrations of 2,000 μg/L and 340 μg/L, respectively. Ground water samples collected from well W-834-2001 contained a thin sheen of diesel.

BTEX monitoring was conducted in 14 Building 834 OU wells during 2006 and no BTEX compounds were detected in these wells. BTEX data will continue to be evaluated to support a monitoring reduction.

In 2006, chromium samples were collected from six core area wells that were affected by improperly wired pressure transducers that produced electrical short circuits in 2000. Chromium concentrations were significantly below the 0.05 mg/L MCL in all wells, except for one sample collected from well W-834-M1. A sample collected from this well in January 2006 contained chromium at a concentration of 0.46 mg/L, however it was found that this sample was not filtered. The collocated sample result from this well was 0.04 mg/L. In July of 2006, this well showed a chromium result of 0.012 mg/L.

Of the six wells sampled for perchlorate in 2006, perchlorate was detected in only one well (W-834-2118) above the detection limit of 4 μg/L. Well W-834-2118 was sampled four times during 2006 with results ranging from <4 μg/L to a maximum result of 6.4 μg/L (June 2006).

2.2.3.3. Building 834 OU Remediation Optimization Evaluation

The GWTS and the SVE system were operational throughout the second semester 2006, and continue to adequately capture the highest concentrations in ground water within the core and leachfield areas. During the second semester 2006, no modifications of the extraction wellfields for either the core area or the leachfield area were made. Significant VOC mass was removed from the vapor phase during this period of operation mostly due to the three leachfield area extraction wells, which began operation during the second semester 2004. The leachfield area wells, W-834-S1, -S12A, and -S13, accounted for approximately 63% (6.71 kg) of VOC mass removed in vapor during the second semester 2006. The VOC mass removed from ground water during the second semester of 2006 was 1.18 kg; 0.98 kg from the core area and 0.20 kg from the leachfield area. For comparison, 1.78 kg were removed during the first semester 2006. Pump and treat operations within fine-grained sediments found in the Tps-Tnsc$_2$ unit are expected to have poor effectiveness due to very low hydraulic and pneumatic conductivities. The use and feasibility of hydraulic fracturing is being evaluated to possibly assist in remediating the underlying perching horizon, however this evaluation is still in the research phase.

2.2.3.4. Treatability Studies

The T2 area enhanced biotreatability test, which began in 2005, is ongoing. The main objective of this test is to evaluate the feasibility of fluid injection (sodium lactate) for source area cleanup. The first phase of this biotreatability test, a tracer experiment, was completed in early 2006. The results of the tracer experiment indicate that the Tpsg HSU in the T2 area can be influenced in a reasonable timeframe (<1 year) using fluid injection. During most of 2006 the rebound of VOCs in ground water were monitored following fluid injection. VOC concentrations in the immediate area of the injection well continue to recover. The second phase of the biotreatability test will involve injection of a carbon substrate (sodium lactate) and a consortium of anaerobic bacteria (KB-1). The second phase will utilize the same injection well (W-834-1824) used in phase 1. Phase 2 is scheduled to begin in the spring of 2007. If successful, an expanded injection network and treatment area will be considered.

Most of the test site preparations also were completed in November 2006. A mobile laboratory was positioned at the test location, which will house all of the equipment and make calibration of field instruments much easier. With the exception of well W-834-T2D, all other wells that will be used to monitor the test have been instrumented with either water level transducers, or sondes that measure multiple water quality parameters. The injection tank was filled with Hetch-Hetchy reservoir water and will be used as a conservative tracer and to induce a hydraulic gradient during the test. The tank was amended with approximately 1 liter of sodium lactate syrup and effluent from different bioreactors operating at Site 300, in order to make the water sufficiently reducing prior to the start of the test. However, cold weather experienced in November and December 2006 slowed biological activity in the injection tank, delaying the start of the test to the early part of 2007.

2.2.3.5. Building 834 OU Remedy Performance Issues

There were no issues that affect the performance of the cleanup remedy for the Building 834 OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup.

2.3. Pit 6 Landfill (Pit 6) OU3

The Pit 6 Landfill covers an area of 2.6 acres near the southern boundary of Site 300. This landfill was used from 1964 to 1973 to bury waste in nine unlined debris trenches and animal pits. The buried waste, which includes laboratory equipment, craft shop debris, and biomedical waste is located on or adjacent to the Corral Hollow-Carnegie fault. Further to the east, the fault trends to the south of two nearby water-supply wells CARNRW1 and CARNRW2. These active water-supply wells are located about 1,000 feet east of the Pit 6 Landfill. They provide water for the nearby Carnegie State Vehicular Recreation Area and are monitored on a monthly basis.

The Pit 6 Landfill was capped and closed in 1997 under CERCLA to prevent further leaching of contaminants resulting from percolation of rainwater through the buried waste. The engineered, multi-layer cap is intended to prevent rainwater infiltration into the landfill, mitigate potential damage by burrowing animals and vegetation, prevent potential hazards from the collapse of void spaces in the buried waste, and prevent the potential flux of volatile organic compound vapors through the soil. Surface water flow onto the landfill is minimized by a diversion channel on the north-side and drainage channels on the east, west, and south sides of the engineered cap. A map of Pit 6 Landfill OU showing the locations of monitoring and water-supply wells is presented in Figure 2.3-1.

2.3.1. Pit 6 Landfill OU Surface Water and Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring and post-closure requirements with the following exceptions; eighteen required analyses were not performed because there was insufficient water in the wells to collect the samples. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.3-1. Analytical results are presented in Appendix B.

A ground water potentiometric surface map is presented in Figure 2.3-2. Ground water elevation data are presented in Appendix C.

2.3.2. Pit 6 Landfill OU Remediation Progress Analysis

This section is organized into three subsections: analysis of contaminant distribution and concentration trends; remediation optimization evaluation; and performance issues.

2.3.2.1. Pit 6 Landfill OU Analysis of Contaminant Distribution and Concentration Trends

At the Pit 6 Landfill OU, VOCs and tritium are the primary COCs detected in ground water. Perchlorate and nitrate are secondary COCs. These constituents have been identified within the $Qt\text{-}Tnbs_1$ HSU. The distribution of total VOCs and tritium in the $Qt\text{-}Tnbs_1$ HSU based on data collected during the second semester 2006 are contoured on Figures 2.3-3 and 2.3-4, respectively. Isoconcentration maps for the secondary COCs based on data collected during the first semester 2006 are posted on Figures 2.3-5 and 2.3-6.

2.3.2.1.1. Total VOC Contaminant Concentrations and Distribution

TCE, cis-1,2-DCE, and PCE were detected at low concentrations within the $Qt\text{-}Tnbs_1$ HSU during 2006. Total VOC concentrations during the second semester 2006 ranged from 8.5 μg/L (EP6-09, October 2006) to below the reporting limit (<0.5 μg/L).

TCE concentrations have decreased from the historical maximum of 250 μg/L in 1988 to a maximum concentration of 8.5 μg/L in second semester 2006. During second semester 2006, cis-1,2-DCE was detected in ground water sample from only one Pit 6 Landfill OU well at a maximum concentration of 2.3 μg/L (K6-01S, July 2006). The 2005 maximum concentration of cis-1,2-DCE was 2.4 μg/L detected in a sample from the same well. The presence of cis-1,2-DCE, a degradation product of TCE, suggests that natural decomposition may be occurring. PCE was also detected in one ground water sample at a concentration of 1 μg/L (EP6-08, July 2006) during second semester 2006. The 2005 maximum concentration of PCE was 0.77 µg/L detected in a sample from the same well.

VOCs were not detected in ground water samples collected from guard wells W-PIT6-1819 and K6-17 during the second semester.

2.3.2.1.2. Tritium Contaminant Concentrations and Distribution

Tritium activity in Pit 6 Landfill OU ground water is an order-of-magnitude below the 20,000 pCi/L MCL. However, tritium is detected above the 100 pCi/L background activity in ground water samples from several wells completed in the Qt-Tnbs$_1$ HSU both north of the fault and within the fault zone and was detected in one well (K6-36) above the 400 pCi/L State of California Public Health Goal (PHG). Second semester 2006 ground water sample tritium activities ranged from 1,200 pCi/L (K6-36, August 2006) to below reporting limits (<100 pCi/L). Well K6-36 was dry in October 2006, therefore the August 2006 tritium activity of 1,200 pCi/L was utilized in the tritium isoconcentration contour map presented on Figure 2.3-4, thus the 1,000 pCi/L contour is presented. Tritium activities in samples from K6-36 continue to decrease from an historical Pit 6 Landfill OU maximum of 3,420 pCi/L in 2003.

Well W-PIT6-1819 is a guard well that is used to define the downgradient extent of the tritium plume. It is located about 100 ft west of the Site 300 boundary with the Carnegie State Vehicle Recreation Area residence area and about 200 ft west of the CARNRW1 and CARNRW2 water-supply wells (Figure 2.3-4). The October 2006 sample from well W-PIT6-1819 yielded a tritium activity of 128 pCi/L. The maximum 2005 tritium activity of this well was 164 pCi/L.

Tritium activities were below 100 pCi/L in all the monthly ground water samples obtained from the four off-site CARNRW wells, except for the April 2006 sample from well CARNRW2, which contained 117 pCi/L.

Based on these analyses, the tritium plume appears to be relatively stable and tritium activities in ground water samples from monitoring wells within the plume are generally decreasing.

2.3.2.1.3. Perchlorate Contaminant Concentrations and Distribution

During 2006, perchlorate was present in excess of the reporting limit of 4 µg/L in ground water samples from wells EP6-09 and K6-18 (both completed in the Qt-Tnbs$_1$ HSU within the fault zone) at a maximum of 10 µg/L (K6-18, January 2006). Perchlorate was also detected above the reporting limit in a ground water sample from CARNRW4 at a concentration of 4.2 µg/L (January 2006). However, the January collocated sample and subsequent monthly samples were below the reporting limit (<4 µg/L). Perchlorate was not detected in the monthly ground water samples collected from any of the other CARNRW water-supply wells during 2006.

Perchlorate concentrations in ground water have been steadily decreasing from their historical maximum concentration of 65 µg/L, in a ground water sample collected from well K6-19 in 1998.

2.3.2.1.4. Nitrate Contaminant Concentrations and Distribution

Nitrate is present above the detection limits of 0.1 mg/L to 0.5 mg/L in ground water samples collected from wells completed within the $Qt\text{-}Tnbs_1$ HSU within and north of the fault zone. Nitrate was only detected above the 45 mg/L MCL in a ground water sample from well K6-23 (200 mg/L, February 2006). Well K6-23, consistently yields ground water nitrate concentrations in excess of the MCL. Well K6-23 is located in close proximity to the Building 899 septic system, which may be a potential source of the nitrate at this location. The elevated nitrate appears to be localized near this building.

Nitrate was not detected in the monthly ground water samples collected from the CARNRW water-supply wells with the exception of CARNRW4 during 2006. Nitrate was detected in samples from CARNRW4 with concentrations ranging from <0.1 mg/L to 7.5 mg/L (February 2006).

2.3.2.2. Pit 6 Landfill OU Remediation Optimization Evaluation

The remedy for tritium and VOCs, the primary COCs in ground water at Pit 6 Landfill selected in the Site 300 Interim Record of Decision (ROD) is Monitored Natural Attenuation (MNA). Ground water elevations and contaminants are monitored on a regular basis to: (1) evaluate the effectiveness of the natural attenuation remedy in reducing contaminant concentrations, and (2) detect any new chemical releases from the landfill. In general, all primary and secondary ground water COCs at the Pit 6 Landfill OU exhibit stable to decreasing trends and ground water elevations beneath the landfill remain well below the buried waste. Tritium activities in ground water continue to decrease and remain far below the 20,000 pCi/L MCL. Maximum TCE concentrations in ground water remain slightly above the 5 μg/L MCL in only one well (EP6-09) and concentrations and the extent in ground water are generally declining.

2.3.2.3. Pit 6 Landfill OU Performance Issues

There were no issues that affect the performance of the cleanup remedy for the Pit 6 Landfill OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup.

2.4. High Explosives Process Area (HEPA) OU4

The HEPA has been used since the 1950s for the chemical formulation, mechanical pressing, and machining of high explosives (HE) compounds into shaped detonation charges. Surface spills from 1958 to 1986 resulted in the release of contaminants at the former Building 815 steam plant. Subsurface contamination is also attributed to HE waste water discharges to former unlined rinsewater lagoons. Another minor source of contamination in ground water resulted from leaking contaminated waste stored at the former Building 829 Waste Accumulation Area and from three former burn pits located near Building 829.

Six GWTSs operate in the HEPA: Building 815-Source (815-SRC), Building 815-Proximal (815-PRX), Building 815-Distal Site Boundary (815-DSB), Building 817-Source (817-SRC), Building 817-Proximal (817-PRX), and Building 829-Source (829-SRC). A map of the HEPA OU showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.4-1.

The 815-SRC GWTS treats ground water for TCE, RDX, and perchlorate and has been in operation since September 2000. Ground water is extracted from wells W-815-02 and W-815-04 at a combined flow rate of approximately 1 gpm and 1.5 gpm. The current GWTS configuration includes aqueous-phase GAC connected in series for TCE and RDX removal and ion-exchange columns containing SR-7 resin that are connected in series for perchlorate removal. Treated water containing nitrate is injected into the $Tnbs_2$ well W-815-1918 where a natural denitrification process reduces the nitrate to nitrogen.

The 815-PRX GWTS treats ground water for TCE and perchlorate and has been in operation since October 2002. Ground water is extracted from wells W-818-08 and W-818-09 at a flow rate of approximately 1 gpm and 1.5 gpm, respectively. The current GWTS configuration includes aqueous-phase GAC connected in series for TCE removal and ion-exchange columns with SR-7 resin that are connected in series for perchlorate removal. Treated water containing nitrate is injected into the $Tnbs_2$ well W-815-2134 where a natural denitrification process reduces the nitrate to nitrogen.

The 815-DSB GWTS treats ground water for low concentrations (< 10 μg/L) of TCE and has been in operation since September 1999. Ground water is extracted from wells W-35C-04 and W-6ER located near the Site 300 boundary at a flow rate of 2 gpm and 1.5 gpm, respectively. The current GWTS configuration includes aqueous-phase GAC connected in series for TCE removal. Treated ground water has been discharged to the Corral Hollow alluvium via an infiltration trench.

The 817-SRC GWTS treats ground water for RDX and perchlorate and has been in operation since September 2003. Well W-817-01 extracts ground water from a very low yield portion of the $Tnbs_2$ aquifer. It pumps ground water using solar power intermittently at flow rates ranging from 200 to 600 gallons per month. The current GWTS configuration includes ion-exchange columns containing SR-7 resin connected in series for perchlorate removal and aqueous phase GAC canisters connected in series for RDX removal. Treated ground water is injected into upgradient injection well W-817-06A.

The 817-PRX GWTS treats ground water for VOCs, RDX, and perchlorate and has been in operation since September 2005. Ground water is extracted from wells W-817-03 and W-817-04 at a combined flow rate of approximately 1.0 gpm. The current GWTS configuration includes ion-exchange columns containing SR-7 resin connected in series for perchlorate removal and aqueous phase GAC canisters connected in series for VOC removal. Treated ground water containing nitrate is injected into upgradient injection well W-817-2109 where a natural denitrification process reduces the nitrate to nitrogen.

The 829-SRC GWTS treats ground water for VOCs, nitrate, and perchlorate and has been in operation since August 2005. Solar power is used to extract ground water from well W-829-06 at a flow rate of 0.2 gpm. The current GWTS configuration includes ion-exchange columns containing SR-7 resin connected in series for perchlorate removal, a biotreatment unit to treat nitrate, and aqueous phase GAC canisters connected in series for VOC removal. Although the biotreatment unit is in place, no acetate injection has been needed as all nitrate has been removed by the SR-7 resin. As soon as nitrate breakthrough occurs from the resin, acetate injection will be initiated to promote bacterial nitrate treatment. Treated ground water is injected into injection well W-829-08.

2.4.1. HEPA OU Ground Water Extraction and Treatment System Operations and Monitoring

This section is organized into four subsections: facility performance assessment; operations and maintenance issues; compliance summary; and sampling plan evaluation and modifications.

2.4.1.1. HEPA OU Facility Performance Assessment

The monthly ground water discharge volumes, extraction flow rates, and operational hours are summarized in Tables 2.4-1 through 2.4-6. The total volume of ground water extracted and treated and the total contaminant mass removed during this reporting period is presented in Table Summ-1. The total volume of ground water treated and discharged and the total contaminant mass removed are summarized in Table Summ-2.

Analytical results for influent and effluent samples are presented in Tables 2.4-7 through 2.4-9. The pH measurement results are presented in Appendix A.

2.4.1.2. HEPA OU Operations and Maintenance Issues

There were no operations and maintenance issues at the 815-SRC or 815-DSB during the reporting period. Continuous operations of the 815-PRX, 817-SRC, 817-PRX, and 829-SRC were interrupted by the following routine maintenance activities and equipment failures:

<u>815-PRX</u>

Operations were shutdown on:

- July 19th to repair a leaking canister.
- November 30th to repair leaks caused by freezing temperatures.
- December 11th while an HMX detection in the effluent was investigated. The sample was reanalyzed and HMX was not detected, therefore the facility was restarted on December 13th.

<u>817-SRC</u>

- 817-SRC went offline on July 31st because the batteries wouldn’t hold a charge. The batteries were replaced and the facility was restarted on August 3rd.
- Operations were shut down on December 20th for the remainder of the reporting period to prevent freeze damage.

<u>817-PRX</u>

- A small crack in the pipeline was repaired the week of July 3rd.
- Ion-exchange resin was replaced on October 4th.
- The treatment system shut down due to pressure buildup. The pressure was due to the inability of the injection well to accept the rate of discharge. The extraction rate was decreased from 3.5 to 1 gallons per minute to accommodate the injection well capacity. The facility was shut down on November 20th to view the well with a camera. No observed defects were found. The facility was restarted on November 27th.
- Extraction well W-817-04 was off for most of the reporting period due to a failed pump.
- Routine maintenance was performed on December 6th.

- Operations were shut down on December 18th for the remainder of the reporting period to prevent freeze damage.

829-SRC

- A failed extraction well pump caused the treatment system to remain shutdown from July 27th to October 4th. The pump failed again on October 18th and was replaced on December 6th.
- Rodent damage to electrical wires caused the treatment system to remain shutdown from October 4th to October 9th.
- Operations were shut down on November 29th and December 20th for the remainder of the reporting period to prevent freeze damage.

2.4.1.3. HEPA OU Compliance Summary

The 815-SRC, 815-PRX, 815-DSB, 817-SRC, 817-PRX, and 829-SRC GWTSs operated in compliance with the Substantive Requirements for Wastewater Discharge.

2.4.1.4. HEPA OU Facility Sampling Plan Evaluation and Modifications

The HEPA OU facility sampling and analysis plans comply with CMP monitoring requirements. The sampling and analysis plans are presented in Table 2.4-10. The only modifications made to the plan during the reporting period included missed influent and effluent monitoring from the 829-SRC facility due to non-operational issues discussed in Section 2.4.1.2.

2.4.2. HEPA OU Ground Water and Surface Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; thirty required analyses were not performed because there was insufficient water in the wells to collect the samples, one required analysis was not performed because the pump failed, and four required analyses were not performed because sample collection was inadvertently left off the sampling plan. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.4-11. This table also explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface data are contoured for the $Tnbs_2$ HSU and are posted for the $Tnsc_{1b}$ HSU in the Building 829 area as presented in Figures 2.4-2 and 2.4-3. Ground water elevations are presented in Appendix C.

2.4.3. HEPA OU Remediation Progress Analysis

This section is organized into four sub-sections: mass removal; contaminant concentrations and distribution; remediation optimization evaluation; and performance issues.

2.4.3.1. HEPA OU Mass Removal

The monthly ground water mass removal estimates are summarized in Tables 2.4-12 through 2.4-17. Cumulative mass estimates are summarized in Table Summ-2.

2.4.3.2. HEPA OU Contaminant Concentrations and Distribution

At the HEPA OU, VOCs (mainly TCE) are the primary COCs detected in ground water; RDX, perchlorate, and nitrate are secondary COCs. Most ground water contamination at the HE Process Area is present in the $Tnbs_2$ HSU. Minor amounts of total VOCs, perchlorate, and nitrate contamination are present in perched ground water in the $Tnsc_{1b}$ HSU beneath the former Building 829 HE Burn Pit and Waste Accumulation Area, located in the northwest portion of the HE Process Area. Some TCE, RDX, and perchlorate have been detected in the Tpsg sands and gravels of the Tpsg-Tps HSU in the vicinity of Building 815, although wells in this area have recently been dry. No contamination has been detected in the Tps portion of the Tpsg-Tps HSU, or the upper and lower $Tnbs_1$ HSUs in the HE Process Area OU.

Total VOC concentration data are contoured for $Tnbs_2$ and posted for $Tnsc_{1b}$ based on data collected during the second semester 2006 and are presented in Figures 2.4-4 and 2.4-5. Concentration maps for the secondary COCs based on data collected during the first semester 2006 are presented in Figures 2.4-6, 2.4-7, and 2.4-9 for the $Tnsb_2$ HSU and in Figures 2.4-5, 2.4-8, and 2.4-10 for the $Tnsc_{1b}$ HSU. For collocated wells, the highest concentration was used for contouring.

2.4.3.2.1. Total VOC Contaminant Concentrations and Distribution

During the second semester 2006, VOCs were detected in ground water samples from $Tnbs_2$ wells at concentrations ranging from below the reporting limit of 0.5 μg/L to 44.3 μg/L (August 2006) in well W-818-11, located upgradient of 815-PRX treatment facility and downgradient of the 815-SRC treatment facility. As a result, the historically highest total VOC contour, 50 μg/L, no longer appears on the total VOC plume map. Due to the fact that the $Tnbs_2$ total VOC plume is detached from its source at Building 815, the 815-PRX extraction wellfield captures the highest concentrations in this plume. Although total VOC concentrations did not decrease significantly at the influent to 815-PRX during second semester 2006, these concentrations have decreased from their historical maximum of 53 μg/L in 2002 to 29 μg/L in July and October 2006. Overall, VOC concentrations in ground water in the $Tnbs_2$ HSU in the HEPA have decreased from a maximum historical concentration of 110 μg/L (May 1992). The plume has much the same shape and extent as in previous years, however the lateral extent appears larger due to the installation of VOC contaminated well W-830-2216, located upgradient of the 830-DISS. This contamination likely comes from Building 832 Canyon OU sources. This well will be connected as an extraction well to the 830-DISS in first semester 2007.

During this reporting period, trace VOC concentrations were detected above the 0.5 μg/L detection limit in samples from guard wells W-815-2210 and W-815-2111, located near the site boundary. VOCs were not detected in offsite water-supply well, GALLO1, or in any of the other onsite or offsite guard wells for the HEPA. The 817-PRX and 815-DSB facilities were installed to prevent further migration of VOCs near the site boundary. Continuous operation of the 815-DSB facility during 2006 appears to be mitigating further migration of VOCs downgradient of this facility. Due to its recent installation (September 2005) and problems with extraction well W-817-04, there has not been sufficient time to fully determine the effectiveness of the 817-PRX facility to mitigate migration of the leading edge of the VOC plume upgradient of water-supply well GALLO1. VOC concentrations will be monitored closely in the site boundary area. If VOC concentrations continue to be detected, modifications to the remedial design in the form of increased pumping of existing extraction wells, conversion of monitoring wells to extraction wells, or installation of new extraction wells will be considered.

In the second semester 2006, VOCs were detected in a sample from 829-SRC ($Tnsc_{1b}$) extraction well W-829-06 at a concentration of 15 μg/L (July 2006). VOCs have never been detected in nearby monitoring well W-829-1940. Concentrations in well W-829-06 have decreased significantly from an historical maximum of 1,013 μg/L (August 1993).

VOCs, mainly TCE, have been detected in the Tpsg sands and gravels of the Tpsg-Tps HSU in the vicinity of Building 815. For the most part, VOC concentrations in this HSU have been steadily decreasing over time. In addition, the limited recharge to this zone has resulted in declining water levels resulting in insufficient water for sampling. In the second semester 2006, VOCs were detected in samples from Tpsg-Tps wells at concentrations ranging from below the reporting limit to 43 μg/L (W-817-03A, July 2006). VOC concentrations in this well have decreased from a maximum of 152 μg/L in 1987. A ground water extraction well is planned for fiscal year 2007 near W-817-03A that will be connected to the 817-PRX GWTS. VOCs were also detected in a sample from Building 815 source area Tpsg-Tps well W-815-05 at a concentration of 2.3 μg/L (July 2006). Other 815 source area Tpsg-Tps wells, W-815-01 and W-815-03, have been dry since 1999 and 2001, respectively. Tpsg-Tps well W-35C-05, located near the site boundary, remains below the 0.5 μg/L reporting limit.

During second semester 2006, total VOCs were detected in a sample from Qal/WBR well W-880-02 at a concentration of 1.6 μg/L (August 2006). This well and well W-4AS have historically had sporadic trace detections of VOCs. VOC concentrations in Qal/WBR wells W-35C-06 and W-6ES, located near the site boundary, remain below the 0.5 μg/L reporting limit.

2.4.3.2.2. RDX Contaminant Concentrations and Distribution

During 2006, RDX was detected in ground water samples from $Tnbs_2$ wells at concentrations ranging from <1 μg/L to a maximum of 77 μg/L (January 2006) in 815-SRC extraction well, W-815-04. Overall, RDX concentrations in the $Tnbs_2$ HSU have decreased from an historical maximum of 204 μg/L (July 1992) in 817-SRC extraction well W-817-01. RDX decreases rapidly downgradient to below the 0.6 μg/L Preliminary Remediation Goal (PRG) just northwest of well W-818-08. Although the maximum concentration of RDX continues to decrease, the extent of RDX contamination in the $Tnbs_2$ HSU remains essentially the same as shown in previous reports. RDX was not detected in any of the $Tnbs_2$ guard wells or in any of the $Tnsc_{1b}$ wells in 2006.

2.4.3.2.3. Perchlorate Contaminant Concentrations and Distribution

During 2006, perchlorate was detected in ground water samples from $Tnbs_2$ wells at concentrations ranging from <4 μg/L to a maximum of 35 μg/L (January 2006) in 817-PRX extraction well, W-817-03. Perchlorate concentrations detected in samples from the $Tnbs_2$ HSU have decreased from an historical maximum of 50 μg/L (February 1998) in well W-817-01. Perchlorate was not detected in any of the $Tnbs_2$ guard wells in 2006.

During 2006, perchlorate was detected in ground water samples from $Tnsc_{1b}$ wells at concentrations ranging from 11 μg/L (April 2006) in 829-SRC extraction well W-829-06 to 5.4 μg/L (March 2006) in W-829-1940. Concentrations have decreased from an historical maximum of 29 μg/L (December 2000) in well W-829-06.

Perchlorate was detected in ground water samples from Tpsg-Tps wells W-814-01, W-815-05, and W-817-03A at 4.4 μg/L (March 2006), 6.9 μg/L (January 2006), and 12 μg/L (February 2006), respectively, during the reporting period. Perchlorate was not detected in any Qal/WBR wells during the reporting period.

2.4.3.2.4. Nitrate Contaminant Concentrations and Distribution

During 2006, nitrate concentrations in samples from the $Tnbs_2$ HSU ranged from <0.1 mg/L in the vicinity of the Site 300 boundary to a maximum of 89 mg/L (July 2006) in 817-PRX extraction well, W-817-03. Nitrate was not detected above the 45 mg/L MCL in any of the $Tnbs_2$ guard wells during this reporting period.

The maximum nitrate concentration detected in a sample during second semester 2006 from the $Tnsc_{1b}$ HSU was 54 mg/L in 829-SRC extraction well W-829-06 (July 2006). Concentrations have decreased from an historical maximum of 240 mg/L (December 2000).

The 2006 maximum nitrate concentration (590 mg/L, February 2006) in the HEPA OU occurs in Tpsg-Tps well W-6CS. The elevated nitrate in this area appears to be restricted to this well. All other nearby wells screened in this HSU have significantly lower nitrate concentrations by one to two orders-of-magnitude. The source of this nitrate is unknown but it is likely anthropogenic in origin and may be associated with a septic system, although this well is not located near any buildings. All Qal/WBR wells have nitrate concentrations below the MCL.

The nitrate concentrations detected in groundwater during 2006 continue to support the interpretation that nitrate is being treated *in situ* by natural processes. Nitrate concentrations decrease significantly due to microbial denitrification near the Site 300 boundary where the $Tnbs_2$ is anoxic and under confined conditions. Nitrate concentrations are significantly lower than the 45 mg/L MCL in all wells near the site boundary.

2.4.3.3. HEPA OU Remediation Optimization Evaluation

The key to remediation optimization at the HEPA OU is to manage extraction wellfield flow rates to balance the influence of site boundary pumping with upgradient pumping in the source area. Based on the $Tnbs_2$ ground water elevation map and the total VOC isoconcentration map shown in Figures 2.4-2 and 2.4-4, the existing extraction wellfield captures the highest concentrations in the VOC plume (total VOC <50 μg/L) in the vicinity of wells W-818-08 and W-818-09. Water levels were not measured in 815-DSB extraction wells W-35C-04 and W-6ER during the same period that the other $Tnbs_2$ wells were measured. Typical pumping water levels were used in these wells for ground water elevation contouring.

Although the overall extent of the primary and secondary COC plumes in the HEPA have not changed significantly, VOC and RDX concentrations within the plume interiors continue to decline from their historical maximums. These trends are due to a combination of natural attenuation mechanisms and remediation efforts in the source and proximal areas of this OU. RDX concentrations continue to exhibit decreasing trends since monitoring for this COC began in 1985. The 815-SRC extraction wells, W-815-02 and W-815-04, have the highest RDX concentrations in this OU and increased pumping in these wells should result in significant decreases in RDX in the Building 815 source area. Perchlorate concentrations in the $Tnbs_2$ HSU have remained essentially unchanged since 1998 when monitoring for this COC began. The 817-PRX extraction wells, W-817-03 and W-817-04, have the highest perchlorate concentrations in this OU. Extraction well W-817-04 was not pumping for most of the second semester 2006 due to pump failure. The well is back online and with the increased pumping at this well and W-817-03 the maximum perchlorate concentrations should begin to decline.

Continued pumping at 815-PRX (W-818-08 and W-818-09) and the addition of extraction well (W-815-04) at 815-SRC as well as the initiation of ground water injection at wells W-815-1918, W-814-2134, W-817-2109, and W-829-08, will improve long-term ground water yield and mass removal at this OU and further prevent contaminated ground water from reaching the Site 300 boundary.

2.4.3.4. HEPA OU Remedy Performance Issues

There were no issues that affect the performance of the cleanup remedy for the HEPA OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup

2.5. Building 850 (B850) OU5

High explosives experiments have been conducted at the Building 850 Firing Table. Until 1989, gravels on the firing table surface were disposed of in several disposal pits in the northern portion of the site. In the past, infiltrating ground water mobilized chemicals from contaminated gravel and debris to underlying soil, bedrock, and ground water. However, since the practice of watering down the firing table following explosives tests was discontinued and the overall experimental activity at this firing table has decreased, the firing table no longer releases significant contamination to the subsurface. A map of the Building 850 OU showing the locations of monitoring wells is presented in Figure 2.5-1.

2.5.1. Building 850 OU Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; ten required analyses were not performed because there was insufficient water in the wells to collect the samples and four required analyses were not performed because a bent casing prevented sample collection. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.5-1. This table also delineates and explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface maps for the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs within the OU for 2005 are presented in Figures 2.5-2 and 2.5-3, respectively. Ground water elevations are presented in Appendix C.

With the recent addition of wells W-PIT2-2301, W-PIT2-2302, and W-PIT2-2303, completed during the second semester 2006 within the Qal/WBR HSU in Elk Ravine, the extent of saturation in this area can be evaluated on a seasonal basis (Figure 2.5-2). These wells are not shown on the secondary COC maps because these maps are based on data collected during the first semester 2006. At the time wells W-PIT2-2301, W-PIT2-2302, and W-PIT2-2303 were installed the Qal/WBR HSU in this area was not saturated. These wells will be closely monitored during early 2007 to determine whether this HSU becomes saturated during winter rainfall events. The Qal/WBR maps show the maximum extent of the Qal/WBR HSU when it is fully saturated. The actual extent of saturation for a given reporting period is indicated by a ground water elevation when saturation is present or "dry" when it is not. Additional wells completed this semester in the $Tnbs_1/Tnbs_0$ HSU were: Well W-PIT2-2304 in Elk Ravine and tritium plume guard wells W-PIT2-2255 and W-PIT2-2226 north and southeast of Building 801/Pit 8, respectively (Figure 2.5-3).

2.5.2. Building 850 OU Remediation Progress Analysis

This section is organized into three subsections: analysis of contaminant distribution and concentration trends; remediation optimization evaluation; and performance issues.

2.5.2.1. Building 850 OU Contaminant Concentrations and Distribution

At the Building 850 OU, tritium is the primary COC detected in ground water; nitrate and depleted uranium are the secondary COCs. Perchlorate also exists in ground water. These constituents have been identified within the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs. The distribution of tritium in each HSU based on data collected during the second semester 2006 is contoured on Figures 2.5-4 and 2.5-5, respectively. Maps showing posted values for uranium activity/atom ratio and nitrate concentration within the two HSUs from the first semester 2006 are presented in Figures 2.5-6 through 2.5-9. Contours for perchlorate concentrations in ground water are shown on Figures 2.5-10 and 2.5-11.

2.5.2.1.1. Tritium Contaminant Concentrations and Distribution

The maximum second semester 2006 tritium activity in ground water within the OU was 67,700 ± 1,760 pCi/L (November 2006) in a sample collected from well NC7-70, located about 200 ft downgradient (east) of the firing table. The maximum tritium activity in ground water for all of 2006 was 92,700 ± 9,700 pCi/L (May 2006) in a sample collected from this well. The highest tritium activities in ground water in the OU continue to be located immediately downgradient of the tritium source at the Building 850 Firing Table and continue to decline from the historical maximum of 566,000 pCi/L in 1985. The extent of the 20,000 pCi/L MCL ground water tritium activity contour in both the Qal/WBR and $Tnbs_1/Tnbs_0$ bedrock HSUs in Doall Ravine also continues to diminish.

The maximum second semester 2006 tritium activity detected in a sample from the Building 850 plume within the $Tnbs_1/Tnbs_0$ HSU in the area immediately north and east of the Pit 1 and Pit 2 landfills was 3,970 ± 410 pCi/L (K1-02B, July 2006). The maximum tritium activities detected in ground water samples in this area during 2005 were 3,980 ± 410 pCi/L. These activities are generally below recent highs detected during the last few years. The extent of the northeast portion of the tritium plume in this area has increased slightly as activities in ground water samples from well W-PIT1-02 rose from 594 ± 135 pCi/L (May 2006) to 1,280 ± 160 pCi/L (November 2006). The 2005 and 2004 maximum activities in samples from this well were 356 and 171 pCi/L, respectively.

The maximum second semester 2006 tritium activity in the Building 850 plume within the $Tnbs_1/Tnbs_0$ HSU in the area immediately south of the Pit 2 landfill was 8,230 ± 830 pCi/L (NC2-08, November 2006). The tritium activity of 26,500 ± 699 pCi/L reported for the NC2-08 February 2006 sample appears to be in error based on the February collocated sample result and the activities reported in prior and subsequent months. Tritium activities continue to decline from a maximum historical tritium activity of 19,200 pCi/L in 2005.

The maximum second semester 2006 tritium activity within the $Tnbs_1/Tnbs_0$ HSU further south in Elk Ravine was 6,680 ± 710 pCi/L (NC2-12S, October 2006). The maximum tritium activity in this area has decreased from 8,370 pCi/L in the second semester 2003.

2.5.2.1.2. Uranium Contaminant Concentrations and Distribution

Uranium was not detected above the 20 pCi/L State drinking water MCL in Building 850 OU ground water during 2006. Atom ratios indicative of depleted uranium were identified in ground water samples collected from several wells completed in the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs in the OU during 2006. The natural atom ratio of $^{235}U/^{238}U$ is about 0.0072 ± 0.001. Atom ratios below this range indicate some addition of depleted uranium to the naturally-occurring uranium activity in the water. The maximum 2006 total uranium activity in the OU was 19 pCi/L (January and October 2006) in ground water samples from well NC7-28, located immediately downgradient of Building 850. The historic maximum uranium activity in the OU is 19 pCi/L. The $^{235}U/^{238}U$ atom ratio measured in NC7-28 indicate the presence of depleted uranium. The distribution of uranium within the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs extends downgradient about 1,200 and 700 ft, respectively, from the Building 850 source area and has not changed from recent years.

Depleted uranium has also been detected in $Tnbs_1/Tnbs_0$ HSU ground water collected from wells NC2-05 and NC2-06A, located immediately north of the Building 802 area (Figure 2.5-7). The $^{235}U/^{238}U$ atom ratios in samples from these wells indicate that the vast majority of the uranium is natural in origin. The maximum total uranium activity detected in this area during 2006 was 12 pCi/L (NC2-05, May 2006). The historical maximum total uranium activity in this area was 12.1 pCi/L in the May 2005 sample from well NC2-05. The distribution of uranium in this area has not changed in recent years.

Ground water uranium data from several wells immediately downgradient of the Pit 2 Landfill also indicated the presence of some depleted uranium. These data are discussed in Section 3.1.1 of this report.

2.5.2.1.3. Nitrate Contaminant Concentrations and Distribution

The maximum 2006 nitrate concentration detected in a ground water sample was 140 mg/L (NC7-29, May 2006). This well is completed in the $Tnbs_1/Tnbs_0$ HSU. Six other second semester water samples from wells scattered throughout the OU and completed in this HSU exceeded the 45 mg/L MCL. Nitrate was detected above the MCL in samples from NC7-11 and NC7-44 completed in the Qal/WBR. Well NC7-44, is completed across both HSUs.

The historic maximum nitrate concentration is 140 mg/L detected in 2003. Historical ground water data indicate that ground water nitrate concentrations in the two HSUs are limited in extent and relatively stable. Overall, the distribution and concentrations of nitrate in ground water are similar to those observed in previous years.

2.5.2.1.4. Perchlorate Contaminant Concentrations and Distribution

Perchlorate was first detected in ground water at Building 850 in 2003. Recent monitoring data indicate the presence of perchlorate in Building 850 ground water at concentrations exceeding the 6 μg/L PHG. The maximum second semester 2006 perchlorate concentration detection in a ground water sample was 64 μg/L (NC7-28, October 2006). This well is completed in Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs and is immediately downgradient of

Building 850. The historic maximum perchlorate concentration in the OU was 75.2 µg/L (NC7-28, May 2005). Perchlorate has also been detected at concentrations above the 6 µg/L PHG in ground water from wells east and south of Building 850, in western Doall Ravine, and east of Pit 1. Overall, the distribution and concentrations of perchlorate in ground water in both HSUs are nearly identical to those observed in 2005.

2.5.2.2. Building 850 OU Remediation Optimization Evaluation

The DOE/LLNL will be discussing possible measures needed to address perchlorate in ground water with the regulatory agencies. DOE/LLNL also plan to conduct a treatability study of *in situ* bioremediation of perchlorate in the Building 850 area.

MNA is the selected remedy for remediation of tritium in ground water emanating from the Building 850 area. MNA continues to be effective in reducing tritium activities in ground water. The highest tritium activities in ground water in the OU continue to be located immediately downgradient of the tritium sources at the Building 850 Firing Table and continue to decline. The extent of the 20,000 pCi/L tritium activity contours in both HSUs continues to diminish. The significant decreases in activities and extent of the Building 850 tritium plume with activities exceeding the MCL indicate that natural attenuation (radioactive decay and a decreasing source term) continues to be effective in reducing tritium activities in ground water. In general, ground water tritium activities continue to decline or are below historic highs in all areas except northeast of Pit 1. In Elk Ravine and south of the Pit 2 Landfill, maximum tritium activities in ground water increased slightly from 2003 to 2004 and then decreased in 2005 and 2006. Tritium activities in ground water samples from wells located in the southern Elk Ravine have dropped slightly for the last few years and are well below the 20,000 pCi/L MCL for tritium in drinking water.

The distribution of depleted uranium is similar to previous years and total uranium in ground water continues to be below the 20 pCi/L MCL in all wells in the Building 850 OU. The extent of total uranium activities in ground water proximal to Building 850, as well as in the suite of wells that sample ground water containing some depleted uranium, are similar to past years. The extent of depleted uranium in ground water at Building 802 has not changed from 2003 to 2006. Although from 2003 to 2006 the maximum uranium activity in Building 802 ground water did increase from 5.54 pCi/L to 12 pCi/L, the vast majority of this uranium is natural in origin. The remediation strategy for uranium at Building 850 continues to be protective because: (1) total uranium activities in Building 850 ground water remain below the 20 pCi/L MCL, (2) the areal extent of depleted uranium has not changed during the period of monitoring, and (3) the temporal trends in $^{235}U/^{238}U$ atom ratios remain stable.

The extent of nitrate in ground water is also similar to that observed in previous years. The extent of perchlorate in ground water and number of wells in the OU that yielded perchlorate ground water concentrations in excess of the PHG is similar to 2004 and 2005. The maximum perchlorate concentration detected in ground water in the OU in 2006 is lower than 2005 (75.2 µg/L) but higher than the 2004 (53 µg/L) and 2003 (54 µg/L) maxima.

2.5.2.3. Building 850 OU Remedy Performance Issues

There were no issues that affect the performance of the cleanup remedy for the Building 850 OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup.

2.6. Building 854 (B854) OU6

The Building 854 complex was used to test the stability of weapons and weapon components under various environmental conditions and mechanical and thermal stresses. A map of Building 854 OU showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.6-1.

Three GWTSs currently operate in the Building 854 OU; Building 854-Source (854-SRC) Building 854-Proximal (854-PRX), and Building 854-Distal (854-DIS). An SVE system operates at 854-SRC.

The 854-SRC GWTS treats ground water for VOCs, nitrate, and perchlorate and began operation in December 1999. Ground water extraction was expanded in September 2006 from one well, W-854-02 extracting at a flow rate of approximately 1 gpm to include W-854-18A, W-854-17, and W-854-2218 extracting at an approximate combined flow rate of 6 gpm. The current GWTS configuration includes a particulate filtration system, two ion-exchange columns containing SR-7 resin connected in series for perchlorate, and aqueous-phase GAC connected in series for VOC removal. Nitrate-bearing treated effluent is then discharged via a misting tower over the landscape for uptake and utilization of the nitrate by indigenous grasses.

An SVE system began operation at the 854-SRC in November 2005. Soil vapor is extracted from W-8541834 at an approximate flow rate of 52 scfm. This is an on-going treatability test to evaluate SVE mass removal at the Building 854 source area.

The 854-PRX GWTS treats ground water for VOCs, nitrate, and perchlorate and began operation in November 2000. Ground water is extracted at an approximate flow rate of 1 gpm from well W-854-03 located southeast of the Building 854 complex. The current GWTS configuration includes aqueous-phase GAC connected in series for VOC removal, above ground containerized wetland biotreatment for perchlorate and nitrate removal, and an ion-exchange resin treatment for polishing prior to being discharged into an infiltration trench.

The 854-DIS GWTS treats ground water for VOCs and perchlorate and began operation in July 2006. Ground water is extracted at an approximate flow rate of 1.2 gpm from well W-854-2139. The current GWTS configuration includes aqueous-phase GAC connected in series for VOC removal and SR-7 ion-exchange resin for perchlorate treatment prior to being discharged into an infiltration trench.

2.6.1. Building 854 OU Ground Water Treatment System Operations and Monitoring

This section is organized into five subsections: facility performance assessment; operations and maintenance issues; receiving water monitoring; compliance summary; and sampling plan evaluation and modifications.

2.6.1.1. Building 854 OU Facility Performance Assessment

The monthly ground water discharge volumes and rates and operational hours are summarized in Tables 2.6-1 through 2.6-3. The total volume of ground water treated and mass removed during the reporting period is presented in Table Summ-1. The cumulative volume of ground water treated and discharged and the mass removed are summarized in Table Summ-2.

Analytical results for influent and effluent samples are shown in Tables 2.6-4 and 2.6-5. The pH measurement results are presented in Appendix A.

2.6.1.2. Building 854 OU Operations and Maintenance Issues

Continuous operations of the 854-SRC, 854-PRX, and 854-DIS were interrupted by the following routine maintenance activities and equipment failures during the reporting period:

<u>854-SRC</u>

- Operations were shut down in August due to wellfield expansion construction activities (see Section 2.6).
- A faulty pump in extraction well W-854-2218 and the operation time totalizer were repaired in September.
- Operations were temporarily shut down October 30th to conduct interlock checks.
- Fuses burnt out on November 7th. The fuses were replaced and the treatment system was restarted November 14th.
- The SVE was shutdown from December 13th to the 18th while the effects on ground water extraction were evaluated.

<u>854-PRX</u>

- Operations were shut down on August 7th due to nitrate and perchlorate detection in the effluent sample. However, subsequent sampling and analysis indicate that the facility was operating within compliance. A mislabeled influent sample is suspected. The facility was restarted on August 10th.
- The treatment system went offline on November 15th due to an electrical problem and was restarted on November 21st.
- Operations were shut down November 27th for the remainder of the reporting period to prevent freeze damage.
- The acetate pump was rebuilt.

<u>854-DIS</u>

- Operations went offline September 13th. The batteries for the solar-powered facility were replaced on September 15th. In addition, a resin column was added to the end of the treatment configuration to treat very low perchlorate concentrations in the influent.
- Operations went offline September 22nd to add a second ion-exchange column and re-position columns in front of GAC. The system was restarted on September 25th.
- Operations were shut down November 27th for the remainder of the reporting period to prevent freeze damage.

2.6.1.3. Building 854 OU Compliance Summary

The 854-SRC and 854-PRX GWTSs operated in compliance with the Substantive Requirements for Wastewater Discharge. As mentioned in Section 2.6.1.2, although nitrate and perchlorate were detected above discharge limits in the 854-PRX facility effluent sample collected on August 2, 2006, no perchlorate was detected above the reporting limit of 4.0 μg/L in the intermediate port sample collected on the same day. Additional effluent and intermediate port samples were collected and the system was shut down until the sample results could be verified. No perchlorate was detected above the reporting limit and nitrate was detected at a concentration of 15 mg/L, which is below the discharge limit of 45 mg/L. It is believed that facility influent samples were mislabeled as effluent samples. The 854-SRC SVE system operated in compliance with the San Joaquin Valley Unified Air Pollution Control District permit limitations. Methylene chloride and 1,2-DCA were detected in samples collected from the 854-DIS GWTS effluent on September 20, 2006 at concentrations of 30 μg/L and 0.85μg/L, respectively. These detections in the effluent were caused by the addition of an SR-7 ion-exchange column to the end of the treatment system to remove perchlorate. Methylene chloride is used in the manufacture of the resin beads used in SR-7 ion-exchange columns. Occasionally, some organic compounds, predominantly methylene chloride, are flushed out of the resin columns if the manufacturer has not sufficiently pre-rinsed the columns. Upon discovery of these detections, the configuration of the system was changed to having two ion-exchange columns followed by three new GAC canisters. Any residual organic constituents would then be adsorbed by the GAC. Two additional effluent samples were then collected on September 26 and September 28, 2006. No organic compounds were detected in either sample. Although LLNL exceeded the instantaneous effluent limits for VOCs, the monthly median was below effluent limitations.

2.6.1.4. Building 854 OU Facility Sampling Plan Evaluation and Modifications

The Building 854 facility sampling and analysis plans comply with CMP monitoring requirements. The sampling and analysis plans are presented in Table 2.6-6. The only modifications made to the plans included: (1) additional effluent samples from 854-PRX to verify it was operating within compliance, (2) additional influent and effluent samples collected from 854-SRC as part of start-up sampling after extraction wellfield expansion, and (3) additional influent and effluent monitoring during the initial start-up of 854-DIS in July, followed by additional VOC monitoring in September due to the ion-exchange contamination discussed above. In addition, the monthly effluent monitoring was not conducted at 854-PRX in December because the treatment system was shut down for freeze protection.

2.6.1.5. Building 854 Treatment Facility and Extraction Wellfield Modifications

The 854-DIS treatment facility began operation during the second semester 2006 in the southern part of the OU in the low concentration distal leading edge of the VOC plume. This facility is operating with a single, low yield extraction well, W-854-2139, screened in the $Tnbs_1/Tnsc_0$ HSU. This well contains total VOCs ranging from 35 to 50 μg/L. Although extraction from this low yield well will not substantially increase VOC mass removal in this OU, it has been initiated to prevent any further migration of the plume.

Also during second semester 2006, several additional extraction wells were added to 854-SRC to increase mass removal and plume capture. The increase in mass removal and capture at this source area is due mainly to extraction well, W-854-2118. The performance of these facilities will be evaluated and reported in future CMRs.

2.6.2. Building 854 OU Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions: thirteen required analyses were not performed because there was insufficient water in the wells to collect the samples. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.6-7.

This table also delineates and explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

A ground water potentiometric surface map for the $Tnbs_1/Tnsc_0$ HSU is presented in Figure 2.6-2. Ground water elevations are presented in Appendix C.

2.6.3. Building 854 OU Remediation Progress Analysis

This section is organized into four subsections: mass removal; analysis of contaminant distribution and concentration trends; remediation optimization evaluation; and performance issues.

2.6.3.1. Building 854 OU Mass Removal

The monthly ground water mass removal estimates are summarized in Tables 2.6-8 through 2.6-10. The cumulative mass estimates are summarized in Table Summ-2.

2.6.3.2. Building 854 OU Contaminant Concentrations and Distribution

At the Building 854 OU, VOCs are the primary COCs detected in ground water and perchlorate and nitrate are the secondary COCs. These constituents have been identified primarily in the $Tnbs_1/Tnsc_0$ HSU. Total VOC isoconcentration data for the $Tnbs_1/Tnsc_0$ HSU based on data collected during the second semester 2006 are contoured and presented in Figure 2.6-3. Isoconcentration contour maps for the secondary COCs based on data collected during the first semester 2006 are presented in Figures 2.6-4 and 2.6-5.

2.6.3.2.1. Total VOC Contaminant Concentrations and Distribution

The maximum second semester 2006 concentration of total VOCs in $Tnbs_1/Tnsc_0$ HSU ground water was 180 μg/L (July 2006, W-854-02). TCE comprises all of the VOCs observed in ground water at Building 854, except for a single cis-1,2-DCE detection of 0.6 μg/L (W-854-2139, February 2006). This VOC was not detected in four subsequent samples collected from the well during 2006. Overall, total VOC concentrations in Building 854 ground water have decreased from an historical, pre-remediation maximum of 2,900 μg/L in 1997. The extent of the total VOC plume emanating from the Building 854 Complex is bounded to the south by a region where total VOC concentrations are below the 0.5 μg/L reporting limit. Downgradient and south of this region, a less extensive total VOC plume occurs in ground water in the vicinity of former water-supply Well 13. While the extent of total VOCs in Building 854 ground water with concentrations above the 0.5 μg/L reporting limit has remained relatively stable over time, since remediation has started: (1) the portion of the northern VOC plume with concentrations greater than 50 μg/L has decreased and is limited to the immediate vicinity of the source areas, (2) the extent of the northern VOC plume with concentrations greater than 10 μg/L has decreased, and (3) the extent of the southern VOC plume with concentrations greater than 5 μg/L has decreased significantly in size.

2.6.3.2.2. Perchlorate Contaminant Concentrations and Distribution

The maximum 2006 perchlorate concentrations detected in a ground water sample was 30 μg/L (W-854-17, October 2006). The subsequent sample collected from well W-854-17 during November 2006 contained 6 μg/L of perchlorate. The 30 μg/L of perchlorate detected in ground water second semester 2006 is the maximum ever detected at Building 854, however, this result is suspect based on the results of previous and subsequent results for well W-854-17. The previous historical maximum concentration of 27 μg/L was detected in 2003. Overall, the distribution and concentrations of perchlorate in ground water in ground water are nearly identical to those observed last year.

2.6.3.2.3. Nitrate Contaminant Concentrations and Distribution

During 2006, nitrate was detected above the 45 mg/L MCL in ground water samples from two wells completed in the $Tnbs_1/Tnsc_0$ HSU; W-854-02 and W-854-03 at concentrations of 52 mg/L and 46 mg/L, respectively. Nitrate concentrations the $Tnbs_1/Tnsc_0$ HSU have continued to decrease from an historical maximum concentration of 180 mg/L in 1996 to a maximum concentration of 68 mg/L in the first semester 2006. Nitrate was also detected above the 45 mg/L MCL in samples collected from well W-854-14 (260 mg/L, June 2006) and well W-854-05 (68 mg/L, May 2006). These wells are completed in localized water-bearing zones within $Tnbs_1$ and Qal-$Tnbs_1$ stratigraphic units, respectively. Elevated nitrate in ground water may arise from a combination of natural and anthropogenic sources in the Building 854 OU. While the extent of nitrate in ground water has not changed significantly during the period of remediation, this could be the result of the ongoing contribution of nitrate from natural sources in the Neroly Formation bedrock.

2.6.3.3. Building 854 OU Remediation Optimization Evaluation

During the second semester 2006, three extraction wells (W-854-17, W-854-18A, and W-854-2218) were added to the 854-SRC facility to increase hydraulic capture and mass removal at this source area. All the expansion wells are screened in the $Tnbs_1/Tnsc_0$ HSU. W-854-17 and W-854-18A are converted monitor wells and W-854-2218 is a new well that was installed south of W-854-18A. Well W-854-2218 is now the most productive well connected to 854-SRC. The influent flow rate increased from 1.2 gpm to approximately 6 gpm as a result of the expanded wellfield. The impact of the expanded wellfield with regard to hydraulic capture and long term cleanup will be evaluated and reported in future CMRs.

A soil vapor rebound test at 854-SRC is scheduled for early 2007. During the rebound test, SVE well W-854-1835 will be shut down for a three-month period while soil vapor is monitored. Results of the rebound test will be reported in the next CMR.

Enhanced pumping of extraction well W-854-03 at 854-PRX will begin in early 2007. Preliminary pumping results indicate that there is no drawdown at a discharge rate of 1.4 gpm, indicating that greater extraction and ground water treatment can be performed to increase total VOC mass removal from ground water.

2.6.3.4. Building 854 OU Remedy Performance Issues

There were no issues that affect the performance of the cleanup remedy for the Building 854 OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup.

2.7. Building 832 Canyon (B832) OU7

Building 832 Canyon facilities were used to test the stability of weapons and associated components under various environmental conditions. Contaminants were released from

Buildings 830 and 832 through piping leaks and surface spills during testing activities at these buildings.

Three GWTSs and two SVE systems operate in the Building 832 Canyon OU: Building 832-Source (832-SRC), Building 830-Source (830-SRC), and Building 830-Distal South (830-DISS). The 832-SRC and 830-SRC facilities extract and treat both ground water and soil vapor, while the 830-DISS facility extracts and treats ground water only. A fourth GWTS, Building 830-Proximal North (830-PRXN) operated in the OU from October 2000 until April 2006. The 830-PRXN extraction well, W-830-57 was connected to 830-SRC as part of the 830 SRC expansion described in Section 2.7.1.5.

A map of Building 832 OU showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.7-1.

The 832-SRC GWTS treats ground water for VOCs, perchlorate, and nitrate and soil vapor for VOCs. The GWTS and SVE began operation in September and October 1999, respectively. The 832-SRC extraction wellfield was expanded during second semester, 2006. Well W-832-25 was connected to the facility in July 2006. Ground water is extracted from wells W-832-01, W-832-10, W-832-11, W-832-12, W-832-15 and W-832-25 at an approximate combined flow rate of 0.18 gpm. Soil vapor is extracted from W-832-12 and W-832-15 at an approximate combined flow rate of 3.4 scfm. The current GWTS configuration includes a Cuno filter for particulate filtration, three aqueous-phase GAC units connected in series to remove VOCs, and two ion-exchange columns with SR-7 resin (also connected in series) to remove perchlorate. Nitrate-bearing treated effluent is then discharged via a misting tower over the landscape for uptake and utilization of the nitrate by indigenous grasses. A positive displacement rotary lobe blower is used to create a vacuum at selected wellheads through a system of manifolded piping. The contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District.

The 830-SRC GWTS treats ground water for VOCs, perchlorate, and nitrate and soil vapor for VOCs. The GWTS and SVE began operation in February and May 2003, respectively. The 830-SRC extraction wellfield was expanded during second semester 2006. Seven GWTS extraction wells (W-830-49, W-830-1829, W-830-2213, W-830-2214, W-830-57, W-830-60, and W-830-2215) were added to the original three (W-830-1807, W-830-19, and W-830-59). The expansion well testing began during second semester 2006. The tests will be completed and the expanded wellfield will be implemented during the first semester 2007. The current GWTS configuration includes three aqueous-phase GAC units connected in series to remove VOCs followed by treatment using two ion-exchange units also connected in series to remove perchlorate. Nitrate-bearing treated effluent is then discharged via a misting tower over the landscape for uptake and utilization of the nitrate by indigenous grasses. The B830-SRC SVE was also expanded in 2006. Soil vapor is extracted from wells W-830-1807 and W-830-49 using a liquid ring vacuum pump. The contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District.

The 830-DISS GWTS treats ground water for VOCs, perchlorate, and nitrate and began operation in July 2000. Approximately 1 gpm of ground water is extracted from three wells (W-830-51, W-830-52, and W-830-53) using natural artesian pressure. The ground water is treated using GAC units to remove VOCs. Nitrate and trace amounts of perchlorate are removed from the extracted ground water using bioreactor technology. The water flows through three open-container wetland bioreactors containing microorganisms that use nitrate during cellular respiration. Acetic acid is added to the process stream as a carbon source. Treatment system effluent is discharged via a storm drain that discharges to the Corral Hollow alluvium. At the request of the RWQCB, the facility is currently being modified to cease surface water discharge. Extracted ground water will pass through ion-exchange canisters to remove perchlorate at the B830-DISS location. The water will then be piped to the Central GSA GWTS for VOC removal. Nitrate-bearing treated effluent is then discharged via a misting tower over the landscape for uptake and utilization of the nitrate by indigenous grasses.

2.7.1. Building 832 Canyon OU Ground Water and Soil Vapor Extraction and Treatment System Operations and Monitoring

This section is organized into four subsections: facility performance assessment; operations and maintenance issues; compliance summary; and sampling plan evaluation and modifications.

2.7.1.1. Building 832 Canyon OU Facility Performance Assessment

The monthly ground water and soil vapor discharge volumes, rates, and operational hours are summarized in Tables 2.7-1 through 2.7-3. The total volume of ground water and vapor extracted and treated and mass removed during the reporting period are presented in Table Summ-1. The cumulative volume of ground water and soil vapor treated and discharged and mass removed are summarized in Table Summ-2.

Analytical results for influent and effluent samples are shown in Tables 2.7-4 and 2.7-5. The pH measurement results are presented in Appendix A.

2.7.1.2. Building 832 Canyon OU Operations and Maintenance Issues

There were no operation and maintenance issues at 832-SRC that interrupted continuous operation during the reporting period. However, the pipeline was damaged by freezing temperatures on November 29th but was able to continue operations using extraction wells W-832-12 and W-832-15 while the damage was repaired. Continuous operations of 830-SRC and 830-DISS were interrupted by the following routine maintenance activities and equipment failures:

<u>830-SRC</u>

- A leak in the pipeline was repaired on August 9th.
- SVE was shutdown on September 25th as part of startup testing of the ground water extraction and treatment system extraction well W-830-1829 and October 31st during the startup testing of the new ground water extraction well W-830-2214.
- Operations were shutdown October 9th while data acquisition instrumentation was repaired.
- Operations were suspended on November 16th due to the holiday and restarted on the 27th.
- Pipelines were severely damaged by freezing temperatures on November 29th. Repairs were made, however a failed transducer was discovered on December 13th and the treatment system remained shut down for the rest of the reporting period.

830-DISS

- Operations were shut down from October 12th to October 18th due to a failed acetate pump.
- Operations were shut down November 29th for the remainder of the reporting period to prevent freeze damage.

2.7.1.3. Building 832 Canyon OU Compliance Summary

The 832-SRC, 830-SRC, and 830-DISS GWTSs operated in compliance with Substantive Requirements during this reporting period. The 830-SRC and 832-SRC SVE systems operated in compliance with the San Joaquin Valley Unified Air Pollution Control District permit limitations. Use of the 830-PRXN GWTS was discontinued during the last reporting period.

2.7.1.4. Building 832 Canyon OU Facility Sampling Plan Evaluation and Modifications

The Building 832 Canyon OU treatment facility sampling and analysis plans comply with CMP monitoring requirements. The sampling and analysis plan is presented in Table 2.7-6. The only modifications made to the plan during the reporting period included increased facility monitoring at 832-SRC and 830-SRC as part of the wellfield expansion start-up sampling. In addition, the monthly effluent monitoring in December for 830-DISS was not conducted because the GWTS was shut down for freeze protection.

2.7.1.5. Building 832 Canyon OU Treatment Facility and Extraction Wellfield Modifications

The 832-SRC extraction wellfield was modified during 2006 with the addition of one extraction well, W-832-25. This is a low yield, $Tnsc_{1a}$ HSU well located downgradient of the 832 source area that contains total VOCs in the 50 μg/L to 100 μg/L range and perchlorate in the 8 μg/L to 12 μg/L range. The performance of this well is discussed in Section 2.7.3.3.

At the 830-SRC, a series of hydraulic tests were initiated during the second semester 2006 and were ongoing at the end of the semester. The tests involve wells completed in all contaminated bedrock HSUs associated with this source area, including W-830-49, W-830-1829, and W-830-2213 ($Tnsc_{1b}$), W-830-2214 ($Tnsc_{1a}$) and W-830-57, W-830-60, and W-830-2215 ($UTnbs_1$). The main objectives of these tests are to determine well yield and the lateral and vertical hydraulic influence of selected wells under different pumping scenarios. The tests will be completed and the expanded wellfield will be implemented during the first semester 2007. The expanded wellfield will be designed to increase hydraulic capture and significantly increase mass removal, without causing contaminants from shallow HSUs to migrate to deeper HSUs. A significant increase in hydraulic capture and mass removal will result from this wellfield expansion. The increase in flow to the 830-SRC treatment system will probably require the installation of one or two injection wells to facilitate the discharge of treated effluent. Injection of treated water upgradient of the 830 source area will help flush contaminants out of the source area, increase the hydraulic gradient toward the source area extraction wells, and increase their long-term yield. The benefits of this wellfield expansion will be evaluated during 2007 and discussed in future CMRs in Section 2.7.3.3.

At the 830-DISS, a new extraction well, W-830-2216, will be connected in early 2007. This is a $Tnbs_2$ HSU well located near the mouth of the Building 832 Canyon. During well development, this well yielded 1.5 gpm to 2 gpm. It contains 15 μg/L to 20 μg/L of TCE but no perchlorate above the 4 μg/L reporting limit. The impact of this extraction well on hydraulic capture and mass removal will be evaluated in 2007 and discussed in future CMRs in Section 2.7.3.3.

2.7.2. Building 832 Canyon OU Ground Water Monitoring

During 2005, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; fifty-two required analyses were not performed because there was insufficient water in the wells to collect the samples. In addition, the third quarter CMP sampling was not conducted for W-830-57 because as discussed previously in Section 2.7, the well was disconnected from 830-PRXN and is being hooked up to 830-SRC. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.7-7. This table explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface data are posted for the Qal/WBR and contoured for $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs as presented in Figures 2.7-2 through 2.7-5, respectively. Ground water elevations are presented in Appendix C.

2.7.3. Building 832 Canyon OU Remediation Progress Analysis

This section is organized into four subsections: mass removal; contaminant concentrations and distribution; remediation optimization evaluation; and performance issues.

2.7.3.1. Building 832 Canyon OU Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Tables 2.7-8 through 2.7-10. The cumulative mass estimates are summarized in Table Summ-2.

2.7.3.2. Building 832 Canyon OU Contaminant Concentrations and Distribution

At the Building 832 Canyon OU, VOCs (mainly TCE) are the primary COCs detected in ground water. Perchlorate and nitrate are the secondary COCs. These constituents have been identified primarily in the $Tnsc_{1a}$, $Tnsc_{1b}$ and Qal/WBR HSUs. Total VOCs have also been detected at low concentrations in the $Tnbs_2$ and Upper $Tnbs_1$ HSUs. Total VOC isoconcentration data are posted for the Qal/WBR and $Tnsc_{1a}$ and contoured for the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs as presented in Figures 2.7-6, 2.7-8, 2.7-7, and 2.7-9, respectively. Post-only maps and isoconcentration contour maps for the secondary COCs based on data collected during the first semester 2006 are presented in Figures 2.7-10 through 2.7-17. For collocated wells, the highest concentration was used for contouring.

2.7.3.2.1. Total VOC Contaminant Concentrations and Distribution

The total VOC ground water concentrations in the Qal/WBR HSU during second semester 2006 ranged from <0.5 μg/L to a maximum of 1,200 μg/L (W-830-24, July 2006). Historically, samples from well SVI-830-035, located in the Building 830 source area, have contained the highest total VOC concentrations in this HSU and have decreased from a high of 10,000 μg/L (February 2003) to 330 μg/L (July 2006). The total VOC concentrations in three other Qal/WBR wells located in the 830-SRC area exhibited significant decreasing trends during 2006. For example, the total VOC concentration detected in a sample from dual extraction well W-830-1807 was 2,600 μg/L in January 2006, 640 μg/L in April 2006, and 53 μg/L in July 2006.

The rapid decline in total VOC concentrations in this vacuum-enhanced ground water extraction well can be correlated to the use of a more powerful blower beginning in March 2006 that significantly increased the volume of extracted ground water. Soil vapor extraction was terminated in September 2006 while hydraulic testing was performed and will be resumed during the first semester 2007. Total VOC concentrations in nearby wells SVI-830-031 and SVI-830-035 exhibited a similar trend over the same period. These wells are also screened in the Qal/WBR HSU.

Wells in the Building 832 source area are screened over both the Qal/WBR and $Tnsc_{1b}$ HSUs. During the second semester 2006 total VOC concentrations detected in samples from this source area ranged from 0.7 μg/L (W-832-19, July 2006) to 61 μg/L (W-832-13, September 2006). The highest historical total VOC concentration in the 832 source area in this HSU was detected in a sample from W-832-18 (1,800 μg/L, September 1998). A significant reduction in VOC concentrations has been achieved in the 832 source area since remediation began in 1999.

Qal/WBR wells located near the Site 300 boundary in the Building 832 Canyon OU generally contain very low to non-detectable concentrations of total VOCs. A trace detection of 1,1-DCE was detected in a sample (0.6 μg/L, October 2006) in site-boundary Qal/WBR guard well W-35B-01. This well has historically had sporadic, trace detections of 1,1-DCE. The source of these trace detections is not known. Nearby, upgradient guard well W-880-02 has never had a detection of 1,1-DCE and no VOCs were detected during the second semester 2006.

The total VOC ground water concentrations in the $Tnsc_{1b}$ HSU during second semester 2006 ranged from <0.5 μg/L to 9,600 μg/L (W-830-49, July 2006). Well W-830-49 has historically contained the highest total VOC concentrations (13,000 μg/L, March 2003) in this OU and was part of a series of hydraulic tests initiated at the 830-SRC in 2006 (see Section 2.7.3.3) to determine which wells would be used for the 830-SRC wellfield expansion. Once continuous extraction begins from this well and the other 830-SRC expansion wells it is expected that concentrations will decline and the extent of the 1000 μg/L plume will be reduced.

Building 832 source expansion wells, W-832-01, W-832-10, and W-832-11, located downgradient of the Building 832 source area, currently contain higher VOC concentrations than the upgradient 832-SRC extraction wells that are screened across both the Qal/WBR and $Tnsc_{1b}$ HSUs. During second semester 2006, total VOC concentrations in samples from these wells varied from 69 μg/L (W-832-10, July 2006) to 135 μg/L (W-832-01, July 2006). Historically, the highest concentration in this area occurred in a sample from W-832-01 (447 μg/L, December 1996). Although well W-832-05 appears on contour maps for the $Tnsc_{1b}$ HSU, it was not used for contouring because W-832-05 has been impacted by surface water runoff and is slated for destruction. This well was not sampled during the reporting period.

VOCs were not detected above the 0.5 μg/L reporting limit in $Tnsc_{1b}$ guard wells W-4C, W-814-04, W-830-16, W-830-1730, W-830-1831, and W-880-03 during 2006. The leading edge of the $Tnsc_{1b}$ VOC plume at the 0.5 μg/L reporting limit remains within the boundaries of Site 300.

The total VOC ground water concentrations in the $Tnsc_{1a}$ HSU during second semester 2006 ranged from 14 μg/L (W-830-22, July 2006) to 481 μg/L (August 2006) in a sample from W-830-2214. From 1997 to 2001, samples from W-830-25 contained the highest VOC concentration (4,500 μg/L, March 1997). In 2001, VOC concentrations began to decline in W-830-25 and W-830-27 possibly due to active remediation upgradient at the 832-SRC. Total

VOC concentrations range from 350 μg/L to 570 μg/L in samples from recently installed well W-830-2214. This well was part of the 830-SRC hydraulic test series and continuous extraction will begin in first semester 2007. There are no $Tnsc_{1a}$ guard wells in this OU at this time. A site boundary guard well for this HSU is planned for installation during 2007. The monitoring of this guard well will be used to demonstrate the effectiveness of upgradient pumping at the 830-SRC.

The total VOC ground water concentrations in the Upper $Tnbs_1$ HSU during second semester 2006 ranged from 4 μg/L (W-830-1832, August 2006) to 60 μg/L (August 2006) in a sample from recently installed 830-SRC expansion well W-830-2215. Well W-830-2215 was included in the series of hydraulic tests initiated at the 830-SRC to determine which extraction wells would be used for the extraction wellfield expansion. The highest historical VOC concentration in this HSU was 100 μg/L (W-830-28, June 1998). Total VOCs were not detected above the 0.5 μg/L reporting limit in guard wells W-830-20 and W-832-2112 during the second semester 2006.

The total VOC concentration (8.8 μg/L, July 2006) in Upper $Tnbs_1$ well W-830-18 was not used in contouring because the concentration is suspect. This well appears to be sensitive to sampling method. Typically this well is sampled using a low volume method however, the next sample will use a dry-out method to determine which sampling method is more representative. Another indication the concentration is suspect is that the total VOC concentration in nearby well W-830-2215 is 60 μg/L and it is screened in same HSU.

The shape and extent of the Upper $Tnbs_1$ plume remain stable. Total VOC concentration trends in this HSU continue to be carefully monitored due to the potential influence of pumping at water-supply wells, Well 20 and Well 18. Pumping at the expanded 830-SRC should significantly reduce the total VOC concentrations in this HSU over the next few years.

2.7.3.2.2. Perchlorate Concentrations and Distribution

Perchlorate ground water concentrations in the Qal/WBR HSU during second semester 2006 ranged from below the reporting limit of 4 μg/L to 12 μg/L (January 2006) in 832-SRC extraction well W-832-15. This well is used to constrain plume concentrations in both the Qal/WBR and $Tnsc_{1b}$ HSUs due to the location of its screened interval across the two HSUs. The highest historical perchlorate concentration in this HSU was 51 μg/L (W-830-34, December 1998). The perchlorate concentration in this well is now below the reporting limit. Perchlorate was detected in a sample from W-830-1807 at a concentration of 5.4 μg/L (January 2006). Perchlorate had not been detected in this well prior to this sample. This perchlorate detection may be due to the increase in vacuum-enhanced ground water extraction in this well. Two subsequent samples in April and July were below the reporting limit. Perchlorate was not detected above the 4 μg/L reporting limit in guard wells W-35B-01 and W-880-02.

Perchlorate ground water concentrations in the $Tnsc_{1b}$ HSU ranged from below the reporting limit of 4 μg/L to 18 μg/L (January 2006) in a sample from 832-SRC extraction well W-832-11. This well has historically contained the highest perchlorate concentration in this HSU (20 μg/L, September 2005). Perchlorate was detected in W-830-1829 and W-830-49 at concentrations of 12 μg/L (October 2006) and 4.9 μg/L (September 2006), respectively. Perchlorate had not previously been detected in these wells. These wells were part of the series of hydraulic tests at the 830-SRC and were pumping at the time of sample collection. The leading edge of the perchlorate plumes emanating from both the Building 832 and Building 830 source areas have advanced downgradient due to detections in well W-832-1927 (downgradient from 832-SRC) and in recently installed well W-830-2213 (downgradient from 830-SRC). Concentrations will continue to be monitored in these wells. It is anticipated that the concentrations in W-832-1927 should decrease over time once the expanded 832-SRC wellfield has had adequate time to develop full capture. Concentrations in W-830-2213 should also decline once the 830-SRC wellfield is fully implemented. Perchlorate was not detected above the 4 μg/L reporting limit in guard wells W-4C, W-814-04, W-830-16, W-830-1730, W-830-1831, and W-880-03 during the second semester 2006.

Perchlorate ground water concentrations in the $Tnsc_{1a}$ HSU ranged from below the reporting limit of 4 μg/L to 9.7 μg/L (July 2006) in 832-SRC extraction well W-832-25. This well was connected to 832-SRC in July 2006 and has historically contained the highest perchlorate concentration in this HSU at 13 μg/L (February 1999). Perchlorate was not detected above the reporting limit of 4 μg/L from any ground water samples taken from the Upper $Tnbs_1$ HSU during the second semester of 2006. Perchlorate concentrations in ground water treatment facility influent were stable over the reporting period for all treatment facilities.

2.7.3.2.3. Nitrate Concentrations and Distribution

In general, nitrate concentrations continue to exhibit high concentrations in the vicinity of the Building 832 and 830 source areas and remain low to below the reporting limit in the downgradient, deeper parts of all HSUs in this OU. Nitrate ground water concentrations detected in samples from the Qal/WBR HSU during 2006 ranged from 2.1 mg/L (W-35C-06, January 2006) to 140 mg/L (SVI-830-035, January 2006).

Nitrate ground water concentrations detected in samples from the $Tnsc_{1b}$ HSU ranged from <0.1 mg/L to 200 mg/L (W-830-49, January 2006). A sample from well W-830-49 contained the highest historical nitrate concentration in this HSU (501 mg/L, June 1998). Nitrate concentrations in the $Tnsc_{1b}$ guard wells range from <0.1 mg/L to 2.3 mg/L, well below the 45 mg/L MCL. Nitrate ground water concentrations detected in samples from the $Tnsc_{1a}$ HSU ranged from <0.1 mg/L to 96 mg/L (W-832-25, March 2006). Nitrate ground water concentrations detected in samples from the Upper $Tnbs_1$ ranged from <0.1 mg/L to 19 mg/L (W-830-2215, February 2006).

Nitrate ground water concentrations in guard wells W-35B-01 and W-880-02 were not detected above the reporting limit. With the exception of a single detection of 1.2 mg/L in July 2006, nitrate was not detected above the reporting limit in guard wells W-830-20 and W-832-2112 during the second semester 2006. Nitrate concentrations in ground water treatment facility influent were stable over the reporting period for all treatment facilities.

2.7.3.3. Building 832 Canyon OU Remediation Optimization Evaluation

A series of hydraulic tests were initiated at the 830-SRC during the second semester of 2006 and were ongoing at the end of the semester. The tests involved wells completed in all contaminated bedrock HSUs associated with this source area, including W-830-49, W-830-1829, and W-830-2213 ($Tnsc_{1b}$), W-830-2214 ($Tnsc_{1a}$) and W-830-57, W-830-60, and W-830-2215 (Upper $Tnbs_1$). During each test, selected wells were pumped while drawdown was monitored in the pumping well and nearby observation wells. The main objectives of these tests are to determine well yield and the lateral and vertical hydraulic influence of selected wells under different pumping scenarios. The tests will be completed and the expanded wellfield will be implemented during the first semester of 2007. The expanded wellfield will be designed to increase hydraulic capture and significantly increase mass removal, without causing contaminants from shallow HSUs to migrate deeper.

A new, more powerful liquid ring pump was connected to the 830-SRC SVE system in March 2006. The volume of soil vapor extracted from well W-830-1807 increased significantly from an average of 1,700 ft^3 to 400,000 ft^3 per month. The volume of ground water extracted also increased from an average of 600 to 2,500 gallons per month. In September 2006 soil vapor and ground water extraction were temporarily suspended from this well while hydraulic testing was performed.

The 832-SRC SVE system was shut down in October 2003 to evaluate soil vapor rebound. The system was restarted in January 2005 and continued to operate throughout 2006. TCE was not detected above the 0.2 $ppm_{v/v}$ reporting limit in preliminary soil vapor samples taken after the January 2005 startup. Soil vapor samples collected during 2006 from 832-SRC extraction wells W-832-12 and W-832-15 contained TCE at concentrations ranging from 0.3 $ppm_{v/v}$ to 1.1 $ppm_{v/v}$. Soil vapor samples collected during 2006 from the combined influent at 832-SRC contained TCE at concentrations ranging from below the reporting limit of 0.2 $ppm_{v/v}$ to 0.8 $ppm_{v/v}$. These data indicate that a minor VOC rebound occurred as a result of the SVE shut down period. The small magnitude of this rebound is an indication that a significant portion of the VOC mass in this source area has already been removed.

In July 2006, the 832-SRC extraction wellfield was expanded to include existing $Tnsc_{1a}$ monitor well W-832-25. This well contains total VOCs, perchlorate and nitrate of approximately the same concentrations as the existing $Tnsc_{1b}$ extraction wells. This well yields approximately 600 gallons per month. In 2005 the extraction wellfield was expanded to include existing $Tnsc_{1b}$ monitor wells W-832-01, W-832-10, and W-832-11. Initially the ground water yield increased to an average of 40,000 gallons per month. However, during 2006 the yield decreased to an average of 6,000 gallons per month as a result of dewatering and limited recharge.

Ground water yield is so low in the Building 832 Canyon OU source area extraction wells that capture is difficult to assess because these source area extraction wells cannot maintain continuous operation. The low yield is due to a combination of low hydraulic conductivity geologic materials, dewatering, and limited recharge. Based on the map shown in Figure 2.7-7, the plumes emanating from the Buildings 832 and 830 source areas have much the same shape and extent as that shown in recent CMR reports and in the SWESR. Total VOC concentrations in the facility influent for 832-SRC, 830-SRC, and 830-DISS have remained relatively constant throughout this reporting period. Total VOC concentrations in the facility influent for 832-SRC were low in January 2006 because the higher concentration extraction wells W-832-10 and W-832-11 were shut down for freeze protection.

In general, COC concentrations in the Building 832 Canyon OU source areas exhibit decreasing trends. For example, maximum total VOC concentrations have decreased by an average of 50% in Building 830 source area wells W-830-1807, W-830-34, and W-830-59. Total VOCs in Building 832 source area wells have also decreased. For example, VOC concentrations in extraction well W-832-15 have declined from 131 μg/L (March 1998) to 26 μg/L (July 2006). COC concentrations in the proximal and distal areas have remained relatively constant.

Low concentrations of TCE and PCE have been detected in Upper $Tnbs_1$ well W-830-1832 located upgradient of Site 300 water-supply well, Well 20. Increased pumping and hydraulic capture associated with the 830-SRC expansion when the wellfield is operational in early 2007, should prevent future trace detections in this well. Upper $Tnbs_1$ guard well, W-832-2112, located downgradient (southwest) of well W-830-1832, and upgradient of Well 20 was installed in 2005. Samples taken from this guard well during 2006 were below reporting limits for all COCs, including total VOCs, nitrate, and perchlorate.

2.7.3.4. Building 832 Canyon OU Remedy Performance Issues

There were no issues that affect the performance of the cleanup remedy for the Building 854 OU during this reporting period. The remedy continues to be effective and protective of human health and the environment, and to make progress toward cleanup.

2.8. Site 300 Site-Wide OU8

The Site 300 Site-Wide OU is comprised of release sites at which no significant ground water contamination and no unacceptable risk to human health or the environment are present. For this reason, a monitoring-only interim remedy was selected for the release sites in the Interim Site-Wide Record of Decision (U.S. DOE, 2001). The monitoring conducted during the reporting period for these release sites is discussed below.

2.8.1. Building 801 and Pit 8 Landfill

At Building 801, VOCs are the primary COCs detected in ground water. Perchlorate and nitrate are the secondary COCs. There are no COCs in ground water at the Pit 8 Landfill.

Minor VOC contamination is present in the subsurface as a result of discharges of waste fluid to a dry well adjacent to Building 801D from the late 1950s to 1984. During 2006, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the exception that biennial samples for K8-05 could not be collected due to dry conditions. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-1. This table delineates any additions made to the CMP. Analytical results are presented in Appendix B.

A map showing the locations of monitor wells and second semester 2006 ground water elevations, approximate ground water flow direction, perchlorate, nitrate, and total VOC concentrations in the $Tnbs_1$ HSU for the Building 801/Pit 8 Landfill area is presented in Figure 2.8-1. Ground water elevation data for the Building 801/Pit 8 Landfill area are similar to those collected during the first semester 2006 and previous years. Due to measuring point errors associated with ground surface elevation changes resulting from construction at Building 801, the water elevations listed for well K8-03B in Appendix C-9 are incorrect. An estimated ground water elevation based on the change in ground surface elevation was used on Figure 2.8-1. The measuring point elevation will be re-surveyed in 2007.

During the second semester 2006, total VOCs were detected in ground water samples from wells in the Building 801/Pit 8 Landfill area at concentrations ranging from 5.7 μg/L (K8-01, December 2006) to 2 μg/L (K8-02B, October 2006). Total VOC concentrations detected in ground water samples collected from wells downgradient of Building 801 have decreased from a historical maximum of 10 μg/L in 1990. TCE concentrations in ground water have been below the 5 μg/L MCL since 1992. 1,2-DCE remains above the 0.5 μg/L State MCL.

During 2006, perchlorate was not detected in ground water samples above the 4 μg/L reporting limit from any of the Building 801/Pit 8 monitor wells.

Nitrate concentrations in ground water in the Building 801/Pit 8 Landfill area have been fairly stable over time. During 2006, nitrate was detected in ground water samples from wells in the Building 801/Pit 8 Landfill area at concentrations ranging from 19 mg/L (K8-03B, June 2006) to 58 mg/L (K8-04, June 2006). Nitrate concentrations in samples from wells K8-01 and K8-04 were above the 45 mg/L MCL. Overall, nitrate concentrations in ground water at the Building 801/Pit 8 Landfill generally are similar to previous years.

To date, no contaminant releases have been identified from the Pit 8 Landfill. Detection monitoring of this landfill, which is discussed in Section 3.2, is conducted to determine if releases have occurred.

2.8.2. Building 833

VOCs are the primary COC in ground water at Building 833. Spills and rinsewater disposal at Building 833 resulted in minor VOC contamination of perched ground water in the Tpsg HSU. A map showing the locations of monitoring wells and second semester 2006 ground water elevations and total VOC concentrations in the Tpsg HSU is presented in Figure 2.8-2. Ground water elevations are presented in Appendix C. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-2. This table also delineates and explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

The Tpsg HSU is a shallow, highly ephemeral perched water-bearing zone. During heavy rainfall events, this HSU may become saturated, but quarterly monitoring of the wells from 1993 to 2004 has shown little evidence of saturation. When saturated, monitoring conducted from 1993 to 2006 has shown a decline in total VOC concentrations in Tpsg HSU ground water from an historical maximum concentration of 2,100 μg/L in 1992. During the second semester, none of the Tpsg wells contained sufficient water to sample. However, in August 2006, a sample of water was collected by applying a vacuum to well W-833-28. Total VOCs, as TCE, were detected in this unsaturated zone sample from well W-833-28 at a concentration of 240 μg/L. This result was not posted on Figure 2.8-2 because this sample was collected using a non-routine method. During the first semester 2006, only two Tpsg wells contained sufficient water from which to collect ground water samples. The samples from these two wells, W-833-12 and W-833-33, contained 4.8 μg/L and 110.6 μg/L of total VOCs (all TCE), respectively.

One $Tnbs_1$ HSU well (W-833-30) contained sufficient water to collect a sample during the second semester 2006. VOCs have not been detected in samples from this well, indicating that any VOC contamination continues to be confined to the shallow Tpsg perched water-bearing zone.

2.8.3. Building 845 Firing Table and Pit 9 Landfill

Leaching from Building 845 Firing Table debris resulted in minor contamination of subsurface soil with depleted uranium and HMX detected in samples collected from boreholes drilled in 1989. There are no COCs in ground water at Building 845 and the Pit 9 Landfill, as no ground water contamination has been detected. A map showing the locations of monitoring wells, HMX concentrations, second semester water elevations, and approximate hydraulic gradient direction in the $Tnsc_0$ HSU are presented in Figure 2.8-3. The monitoring wells near the

Pit 9 Landfill are screened in the lower Neroly Formation $Tnsc_0$ HSU. Ground water elevation data collected from wells within the OU are similar to those collected during 2004 and 2005. Analytical data are presented in Appendix B. Ground water elevation data are presented in Appendix C.

The sampling and analysis plan for ground water monitoring is presented in Table 2.8-3. During 2006, all required CMP detection monitoring samples were collected. Ground water samples for uranium analysis are required during odd-numbered years and were not collected during 2006. HMX, nitrate, and perchlorate were not detected above reporting limits in ground water samples collected during 2006. There continues to be no contamination detected in ground water in the Building 845 and Pit 9 Landfill area.

Detection monitoring of the Pit 9 landfill, which is discussed in Section 3.3, is conducted to determine any releases to ground water.

2.8.4. Building 851 Firing Table

At the Building 851 Firing Table, uranium and tritium are the primary and secondary COCs detected in ground water, respectively. High explosives experiments at the Building 851 Firing Table resulted in minor VOC and RDX contamination in soil and low activities of uranium with a measurable depleted uranium component in ground water. A map showing the locations of monitoring wells and second semester ground water elevations, total uranium activities, $^{235}U/^{238}U$ atom ratios, and tritium activities are presented in Figure 2.8-4. Wells W-851-05, W-851-06, and W-851-07 are completed in the Tmss HSU. Well W-851-08 is completed in the overlying $Tnsc_0$ HSU.

During the second semester 2006, ground water monitoring was conducted in accordance with the CMP monitoring requirements. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-4. All required samples were collected and analyzed. Analytical results are presented in Appendix B.

Ground water elevation data collected from wells within the Building 851 area during the 2006 are similar to those collected during 2004 and 2005 (Appendix C). Based on the similarity of water elevations measured in the three Tmss HSU wells, the local hydraulic gradient appears to be flat in this HSU.

Total uranium activities in ground water from Building 851 monitor wells during the second semester (October 2006) ranged from 0.18 pCi/L in the sample from well W-851-07 to 0.55 pCi/L in the sample from well W-851-08. The maximum total uranium activity of 0.55 pCi/L is only a fraction of the 20 pCi/L State MCL, and represents a decrease from the historical maximum uranium activity of 1.3 pCi/L detected in the Building 851 area in 1991. The atom ratio of $^{235}U/^{238}U$ in the second semester samples from wells W-851-06, and W-851-08 indicated the addition of some depleted uranium. The samples from wells W-851-05 and W-851-07 contained only natural uranium. Overall, uranium activity in ground water is similar to previous years and remains well below the State MCL.

During 2006, tritium activities were not detected above the 100 pCi/L reporting limit in ground water samples from all Building 851 monitor wells and indicate a decreasing trend from the one-time high of 3,790 pCi/L in late 1998. Tritium has not been detected at activities above the 100 pCi/L background levels in Building 851 ground water for the past 3 years. For this reason DOE/LLNL will be proposing to discontinue monitoring of tritium in Building 851 ground water at an upcoming Remedial Project Managers (RPM) meeting.

3. Detection Monitoring, Inspection, and Maintenance Program for the Pits 2, 8, and 9 Landfills

The Pit 2, 8, and 9 Landfills received firing table debris from the 1950s to the 1970s. At present, there is no evidence of contaminant releases to ground water from any of these three landfills, except for low activities of depleted uranium at the Pit 2 Landfill, and no unacceptable risk or hazard to human or ecological receptors has been identified. The Detection Monitoring Program is designed to detect any future releases of contaminants from these landfills. This section presents the results for the Pit 2, 8, and 9 Landfills ground water detection monitoring network, and any landfill inspections or maintenance that was conducted during 2006.

3.1. Pit 2 Landfill

3.1.1. Contaminant Detection Monitoring Results

During 2006, ground water samples were collected from Pit 2 Landfill detection monitoring wells K2-01C, NC2-08, W-PIT2-1934, and W-PIT2-1935 and analyzed for the CMP detection monitoring analytes. A map showing the locations of monitoring wells and Pit 2 Landfill is presented in Figure 2.5-1.

The annual 2006 ground water potentiometric surface maps that include the Pit 2 Landfill are presented in Figures 2.5-2 and 2.5-3. Depth to ground water within the $Tnbs_1/Tnbs_0$ HSU was measured at 50 to 55 ft beneath the Pit 2 Landfill. These data are consistent with previous water elevations. Ground water elevations are presented in Appendix C.

A map of the second semester 2006 ground water tritium activity within the $Tnbs_1/Tnbs_0$ HSU and including Pit 2 Landfill is presented in Figure 2.5-5. Tritium was detected below the 20,000 pCi/L MCL during the second semester 2006 in samples from all four wells. Tritium was detected at a maximum activity of 8,230 pCi/L in the November 2006 sample from well NC2-08. The 2005 tritium maximum was also detected in a sample from well NC2-08 (10,100 pCi/L, November 2005). The maximum historic tritium activities in ground water in this area were detected in the August 1986 sample from well K2-01C (49,100 pCi/L) and the April 1988 sample from well NC2-08 (41,100 pCi/L). The overall distribution of ground water tritium activities in the Pit 2 Landfill area appears to primarily be a result of transport of the Building 850 tritium plume into the Pit 2 Landfill area. While it is possible that some tritium may have been released to ground water from the Pit 2 Landfill, data indicate that tritium activities in ground water immediately downgradient of the landfill are decreasing and are currently a fraction of the historic maxima.

Appendix D-1 contains soil tritium activity data from the boreholes for wells completed in the center of the Elk Ravine alluvial fill and south of Pit 2 Landfill during the second semester 2006 (B-PIT2-2302 and B-PIT2-2304). These tritium soil moisture samples are all below background activities and/or reporting limits and show no evidence of past tritium transport in the Qal/WBR or underlying bedrock to a depth of 50 ft. Soil moisture data for borehole B-PIT1-2204, which was drilled 200 ft northeast of Pit 2 Landfill, also show no evidence of tritium transport in Qal/WBR and underlying bedrock to a depth of 68.5 ft. The locations of the wells completed from these boreholes are shown on Figure 2.5-1.

Uranium activities detected in $Tnbs_1/Tnbs_0$ HSU ground water samples from the Pit 2 Landfill monitor wells are all historically below the State MCL of 20 pCi/L. The maximum 2006 activity detected in a ground water sample was 14 pCi/L (W-PIT2-1934, February 2006). The detection of depleted uranium in the ground water samples from wells K2-01C, W-PIT2-1934, and W-PIT2-1935 indicates that low activities of depleted uranium have been added to the naturally-occurring uranium in the ground water by the Pit 2 Landfill. The release may have been the result of the discharge of potable water that was used to maintain a wetland habitat for red-legged frogs (a Federally-listed endangered species) within a drainage channel that extends along the northern and eastern margin of the Pit 2 Landfill. This discharge was discontinued in 2005. Since the discharge was discontinued, total uranium activities detected in Pit 2 Landfill detection monitor wells have decreased from an historical maximum of 17.4 pCi/L in 2004.

During the second semester of 2006, perchlorate was detected in the August 2006 sample from $Tnbs_1/Tnbs_0$ HSU well NC2-08 at a concentration of 4.3 μg/L (Figure 2.5-11). During the first semester, perchlorate was detected in the May 2006 sample from this well at a concentration of 5.6 μg/L. During 2006, ground water samples from the other three Pit 2 wells did not contain perchlorate in excess of the 4 μg/L reporting limit.

No other constituents that were monitored during 2006 as part of the Detection Monitoring Program were detected in $Tnbs_1/Tnbs_0$ HSU ground water. None of the other chemicals monitored in ground water at the Pit 2 Landfill were detected above regulatory limits.

3.1.2. Sampling and Analysis Plan Modifications

The sampling and analysis plan for the Pit 2 Landfill ground water Detection Monitoring Program are presented in Table 3.1-1. There were no deviations from the sampling plan. Analytical results are presented in Appendix B.

3.1.3. Landfill Inspection Results

The Pit 2 Landfill was inspected four times during 2006. No problems were observed.

3.1.4. Annual Subsidence Monitoring Results

Annual subsidence monitoring was conducted during the second semester 2006 and did not indicate any subsidence.

3.1.5. Maintenance

Maintenance on the pit cover was not necessary during 2006.

3.2. Pit 8 Landfill

3.2.1. Contaminant Detection Monitoring Results

Ground water potentiometric surface elevations, nitrate, perchlorate, and total VOC concentrations in $Tnbs_1/Tnbs_0$ HSU ground water are presented in Figure 2.8-1. During 2006, ground water samples were collected from the Pit 8 Landfill monitoring wells and analyzed for the CMP detection monitoring analytes. Well K8-05 continued to be dry. There were no new detections of constituents of concern in the Pit 8 Landfill area wells.

Depth to ground water was approximately 60 ft beneath the Pit 8 Landfill. There was no significant change in ground water elevations during the first semester 2006 compared to the previous years. Ground water elevations are presented in Appendix C.

Historical and current VOC data indicate that VOCs detected in ground water in the Pit 8 Landfill area are the result of releases from the former Building 801 dry well, which have migrated downgradient from Building 801 to beneath the landfill. The highest concentrations of total VOCs continue to be observed at upgradient wells K8-01 and K8-03B, where concentrations detected in samples collected during the second semester (December and October 2006) were 5.7 µg/L and 2.3 µg/L, respectively (Figure 2.8-1).

Nitrate was elevated above the 45 mg/L MCL in samples from two wells, K8-01 and K8-04, collected in June 2006, contained 52 mg/L and 58 mg/L, respectively (Figure 2.8-1).

Tritium was not detected in second semester 2006 samples in samples from wells K8-01, K8-02B, K8-03B, and K8-04 above the 100 pCi/L reporting limit.

No other constituents that were monitored during the first semester 2006 as part of the Detection Monitoring Program were detected in $Tnbs_1/Tnbs_0$ HSU ground water. None of the other chemicals monitored in ground water at the Pit 8 Landfill were detected above regulatory limits.

3.2.2. Sampling and Analysis Plan Modifications

The sampling and analysis plan for the Pit 8 Landfill ground water Detection Monitoring Program are presented in Table 2.8-1. As stated above, well K8-05 was dry during 2005 and could not be sampled. Analytical results are presented in Appendix B.

3.2.3. Landfill Inspection Results

The Pit 8 Landfill was inspected four times during 2006. No problems were observed.

3.2.4. Annual Subsidence Monitoring Results

Annual subsidence monitoring was conducted during the second semester 2006 and did not indicate any subsidence.

3.2.5. Maintenance

Maintenance on the pit cover was not necessary during the second semester 2006.

3.3. Pit 9 Landfill

3.3.1. Contaminant Detection Monitoring Results

During 2006, ground water samples were collected from the four Pit 9 Landfill monitoring wells and analyzed for the CMP detection monitoring analytes. Ground water samples for isotopic uranium analysis are only collected and analyzed biennially per CMP requirements. During 2006, there were no new detections of constituents of concern above background ranges in the Pit 9 Landfill area ground water samples as indicated by the Detection Monitoring Program ground water sample analytical results (Appendix B). HMX, nitrate, and perchlorate were not detected above reporting limits in ground water samples collected during the 2006.

A map that includes the locations of monitoring wells, Pit 9, ground water elevations, and HMX concentrations in ground water is presented in Figure 2.8-4. During 2006, depth to ground water was approximately 110 ft beneath the Pit 9 Landfill (Appendix C). There were no significant changes in ground water elevations from previous semesters.

3.3.2. Sampling and Analysis Plan Modifications

The sampling and analysis plan for the Pit 9 Landfill ground water Detection Monitoring Program are presented in Table 2.8-3. There were no modifications made to the plan. Analytical results are presented in Appendix B.

3.3.3. Landfill Inspection Results

The Pit 9 Landfill was inspected four times during 2006. No problems were observed.

3.3.4. Annual Subsidence Monitoring Results

Annual subsidence monitoring was conducted during the second semester 2006 did not indicate any subsidence.

3.3.5. Maintenance

Maintenance on the pit cover was not necessary during 2006.

4. Risk and Hazard Management Program

The goal of the Site 300 Risk and Hazard Management Program is to protect human health and the environment by controlling exposure to contaminants during remediation. Risk and hazard management is conducted in areas of Site 300 where the exposure point risk exceeded 1×10^{-6} or the hazard index exceeded 1 in the baseline risk assessment.

4.1. Human Health Risk and Hazard Management

4.1.1. Annual Inhalation Risk Evaluation

The CMP (Ferry et al., 2002) requires that the risk and hazard associated with volatile contaminants in the subsurface migrating upward into indoor and outdoor ambient air and being inhaled by workers be re-evaluated annually using current data. The following risk evaluations were performed during 2006:

- Indoor Ambient Air in Building 834D
- Indoor Ambient Air in Building 854A
- Indoor Ambient Air in Building 830
- Indoor Ambient Air in Building 833
- Ambient Air Near Spring 3
- Ambient Air Near Spring 5
- Ambient Air Near Spring 7

The risk and hazard management is complete for a building when the estimated risk is below 10^{-6} and the hazard index is below 1 for two consecutive years. The risk and hazard management is complete and will no longer be evaluated for the following:

- Outdoor Ambient Air Near Building 834D (2003 and 2004)
- Outdoor Ambient Air Near Building 815 (2003 and 2004)
- Outdoor Ambient Air in Building 854F (2003 and 2004)
- Outdoor Ambient Air Near Building 830 (2003 and 2004)
- Indoor Ambient Air Near Building 832F (2003 and 2004, building demolished in 2005)
- Indoor Ambient Air in Building 854F (building demolished in 2005)
- Indoor Ambient Air in Building 854A (2005 and 2006)

Institutional controls, such as restricting access to or activities in areas of elevated risk, remained in place during 2006 to prevent unacceptable exposure to contaminants during remediation for those buildings and areas that continue to show an unacceptable risk and/or hazard.

Inhalation risk and hazard resulting from transport of VOC vapors from ground water to the building foundations and subsequently into indoor ambient air was estimated using the Johnson-Ettinger Model (US.EPA, 2002). The model results were updated to reflect the chemical-specific toxicity criteria referenced in the "Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air" (DTSC, 2005).

The following conservative methodology is used in developing the input values for each model. A representative soil column was developed combining the borehole geology information from wells and boreholes that are within a 100 ft radius of the modeled building or site. The resulting soil column was simplified into three strata as input to the Johnson-Ettinger Model by conservatively selecting the most permeable soil types for each stratum. The highest observed ground water elevation at the site was used as the source depth. The highest observed VOC ground water concentration in a well located in close proximity to the building or site being modeled was selected as the source concentration. If the VOC of interest was not detected in any nearby wells, then the highest detection limit was used as the source concentration. For the Johnson-Ettinger Model, site-specific building dimensions were used.

The individual chemical risk, hazard index, and cumulative risk values estimated for the indoor ambient air are reported in Table 4.1.1 for those buildings that were evaluated in 2006. Generally the concentrations of VOCs in wells show a declining trend, specifically in areas where there are ground water and soil vapor treatment systems in operation.

As shown in Table 4.1.1, the estimated risk in 2006 remained above 10^{-6} and/or hazard quotient above 1 for the indoor ambient air exposure pathway evaluated at Buildings 834D and 830. The building occupancy restrictions, engineered controls, monitoring, and annual risk evaluations will continue for these buildings in accordance with the CMP/CP for the Interim Remedies at LLNL Site 300.

In 2006, the risk evaluation for Buildings 854A and 833 for indoor ambient air showed no human health risk for this exposure pathway. "No Risk" is defined as an individual and cumulative excess cancer risk below 10^{-6} and a hazard quotient below 1. The 2005 evaluation for Building 854A also resulted in no human health risk. The 2005 evaluation for Building 833 resulted in a human health risk.

According to the procedures outlined in Section 6.1.1 and 6.1.2 of the CMP/CP for the Interim Remedies at LLNL Site 300, (2002), the risk and hazard management for Building 854A is considered complete as the estimated risk has remained below 10^{-6} and the hazard quotient has remained below 1 for two consecutive years.

No surface water or green hydrophilic vegetation was present at Springs 3, 5 and 7 during 2006, therefore no ambient air VOC sampling was performed. Springs 5 and 7 have been devoid of surface water or green hydrophilic vegetation since monitoring began in 2003. Ambient air was monitored for VOCs at Spring 3 during 2003 and the results indicated that there was potential risk to onsite workers. Spring 3 has been devoid of surface water or green hydrophilic vegetation since 2004. These springs will be monitored for the presence of surface water or green hydrophilic vegetation in 2007 and air samples will be collected if present.

4.2. Ecological Risk and Hazard Management

The Ecological Risk and Hazard Management Program, as outlined in the Compliance Monitoring Plan consisted of the following components:

1. Semiannual surveys for important burrowing species (these include special status species such as State of California or federally listed threatened or endangered species or State of California species of special concern) in areas associated with hazard indices greater than 1 (the areas identified in the CMP were Building 834, Building 850 and Pit 6),
2. Quarterly burrow air sampling for the presence of VOCs in the Pit 6 and Building 834 survey areas,
3. Surface soil sampling and analysis for the presence of cadmium in the Building 834 survey area,
4. An evaluation of the ecological significance of the presence of PCBs and dioxins/furans at Building 854 and 850, and
5. A re-evaluation every 5 years of the Site 300 ecology and contaminants, to ensure ecological risk from Site 300 contaminants remains adequately characterized.

The CMP-required surface soil sampling and analysis for the presence of cadmium conducted in the Building 834 survey area was reported in the 2003 Annual CMR (Dibley et al., 2004a). The results indicated no potential for ecological hazard from cadmium in surface soil at Building 834 therefore cadmium has been deleted from the list of ecological contaminants of concern and will no longer be evaluated and reported.

The CMP–required burrow air sampling for the presence of VOCs in the Pit 6 Landfill and Building 834 survey areas was completed in 2004 and reported in the First Semester 2004 CMR (Dibley et al., 2004b). The results indicated that burrow air did not contain VOCs at concentrations that would result in a hazard quotient (HQ) greater than 1. Since there is no potential for ecological harm, VOCs in burrow air has been deleted from the list of ecological contaminants of concern and will no longer be evaluated and reported. For this reason, surveys for sensitive species at the Pit 6 Landfill and Building 834 have been discontinued.

Evaluation of the ecological significance of the results of surface soil sampling for the presence of PCBs and dioxins/furans at Buildings 854 and 850 was conducted and reported in the First Semester 2004 CMR. The results of this evaluation showed amphibians to be potentially at risk at Building 854 and burrowing owls at Building 850 to be potentially at risk from the presence of PCBs in surface soil. As discussed in the First Semester 2005 CMR (Dibley, 2005b), the contaminated soil at Building 854 was removed in July 2005, effectively eliminating the ecological hazard. Therefore, the presence of burrowing owls and other special status species at Building 850 was the focus of work in 2006.

Surveys for important burrowing species are required in the survey areas specified in the CMP as long as a potential ecological hazard is present. The CMP initially required surveys at Building 834, Pit 6 Landfill, and Building 850. Only Building 850 continues to present a potential ecological hazard.

4.2.1. PCBs, Dioxins, and Furans in Surface Soil at 850

Previous wildlife surveys have revealed the presence of the Western Burrowing Owl in the area adjacent to the Building 850 Firing Table. Western Burrowing Owls are a Federal and State species of concern (California Department of Fish and Game, 2004), and therefore fit the description of important burrowing species as presented in the CMP.

A preliminary exposure analysis for the Western Burrowing Owl to estimate hazard to cadmium and PCBs was completed and reported on in the First Semester 2004 CMR. Results suggest cadmium is unlikely to pose a hazard to burrowing owls nesting in the vicinity of Building 850. However, concentrations of Arochlor 1254 in the soil at Building 850 may pose a hazard to burrowing owls nesting in the area, as the hazard quotient (HQ) exceeds 1. Various remedial options are currently under consideration for this area. Refinement of the owl model is being considered if necessary to evaluate the remedial options. Field surveys for the presence of important burrowing species such as Western Burrowing Owls and California tiger salamander are continuing in this area (Figure 4.2.1).

On October 18, 2004, one adult California tiger salamander was found near the West Observation Point approximately 500 meters from the Building 850 survey area. This observation is 941 meters from the nearest breeding pool (Ambrosino pool), which is located in the northwest corner of the site. Nighttime surveys for California tiger salamanders were conducted at the area surrounding the Ambrosino pool on February 15, 2005. Although these surveys did not include the Building 850 survey area, adult California tiger salamanders were observed within 1.5 kilometers (km) of Building 850 during these surveys.

During the winter and spring and fall of 2005, driving surveys of the bowl surrounding the Building 850 shot table were conducted (Figure 4.2.1). Adult Western Burrowing Owls were observed in the large bowl located approximately 900 meters north of the Building 850 survey area, but Western Burrowing Owl nesting was not verified near Building 850. A ground squirrel colony occupied the burrow systems located west of the shot table at Building 850. These burrows provide potential habitat for Western Burrowing Owls and California tiger salamanders. No other special status species were observed.

In 2006, a survey for California tiger salamanders was conducted on the slopes behind (west of) the Building 850 shot table on February 26, 2006. Survey efforts were focused in this area because the largest concentration of ground squirrel burrows within the study area are found to the west of Route 4 and the California tiger salamander breeding pools closest to Building 850 (i.e. Ambrosino pool) are located to the west and north of the building. The survey was conducted starting approximately two hours after sunset. The temperature was 62 degrees Fahrenheit and there was light precipitation. These surveys included walking transects through the area and visually surveying the entrances of burrows for California tiger salamanders using hand held flashlights. No California tiger salamanders were observed in the Building 850 area during this survey, although California tiger salamanders were observed in burrows at other Site 300 locations during that night.

California tiger salamanders have been observed up to 2 km from breeding pools (U.S. Fish and Wildlife Service, 2004). The Building 850 study area is located with 1200 meters of Ambrosino pool, a known breeding site for California tiger salamanders. In 2005, a seasonal pool was constructed approximately 700 meters from the Building 850 study area. Evidence of California tiger salamander breeding was observed in the new pool in 2006. Although no California tiger salamanders were observed at the Building 850 study during the February 26, 2006 survey, the site still has the potential for use as upland habitat by California tiger salamanders because of its proximity to breeding pools.

Although California tiger salamanders are known to move up to 2 km from breeding ponds, research conducted by Trenham (2001) suggests that most (95%) California tiger salamanders use breeding habitat with 173 m of breeding ponds. Our survey results support this research. Although California tiger salamanders can utilize the Building 850 area as upland habitat, the largest concentration of California tiger salamanders is likely to be closer to breeding ponds.

Surveys for Western Burrowing Owls and California tiger salamanders will continue during 2007 in the area surrounding Building 850. These will include driving surveys, as well as surveys of the burrow systems located in the Building 850 survey area.

5. Data Management Program

The management of data collected during 2006 was subject to the standard Environmental Restoration Division (ERD) data management process and standard operating procedures (Goodrich and Wimborough, 2006). This process tracks sample and analytical information from the initial sampling plan through data storage in a relational database. As part of the standard procedures for data quality, this process includes chain-of-custody tracking, electronic and hard copy analytical results receipt, strict data validation and verification, data quality control procedures, and data retrieval and presentation. The use of this system promotes and provides a consistent data set of known quality. Quality assurance and quality control are performed uniformly on all data.

5.1. Modifications to Existing Procedures

During the second semester of 2006, the relational database that is used to maintain the data for CMR was transitioned from Oracle 9i database software to Oracle 10g database software. The new database was normalized on both the field sampling locations and relational constraints used in the database. As a result of this normalization, the tools and applications used to process the CMR data were modified to implement the changes. Additional refinements were implemented during the first and second semester of 2006 to improve chain of custodies, data entry, and querying abilities. Existing standard operating procedures are being modified to reflect the changes necessitated by the normalization to the Oracle database.

5.2. New Procedures

The Site 300 CMR sampling and analysis plan was developed based upon the negotiated sampling locations and frequencies. The software tools used to create and execute the sampling plan were completely rewritten in 2006 to take advantage of the normalized locations and added relational constraints in the new database. Other refinements were added to increase efficiency in plan inputting, creating labels and Chains of Custody, and tracking sampling and receipt of analytical data. For example, treatment facility sampling was added to the sample planning tool, even though such sampling is already being tracked and analytical results are being stored. The documentation of the new procedures is in process.

6. Quality Assurance/Quality Control Program

LLNL conducted all compliance monitoring in accordance with the approved Quality Assurance Project Plan (QAPP) (Dibley, 1999) requirements for planning, performing, documenting, and verifying the quality of activities and data. The QAPP was prepared for CERCLA compliance and ensures that the precision, accuracy, completeness, and representativeness of project data are known and are of acceptable quality. The QAPP is used in conjunction with the LLNL ERD Standard Operating Procedures (SOPs), Operations and Maintenance Manuals (O&Ms), workplans, Site Safety Plans, and the LLNL Environmental Protection Department Quality Assurance Management Plan.

In compliance with QAPP requirements, an annual QA summary was generated toward the end of calendar year 2006. This report summarizes the overall data quality in regards to precision and accuracy, and completeness, field and sampling QC, ERD QA assessments, and nonconformances.

A “Conduct of Operations” matrix was developed for ERD facilities in August 2006 in response to the implementation of DOE Order 5480.19, Conduct of Operations Requirements for DOE Facilities.

Modifications to existing LLNL quality assurance/quality control (QA/QC) procedures, new QA/QC procedures that were implemented during this reporting period, self-assessments, quality issues and corrective actions, and analytical and field quality control are discussed in Sections 6.1 through 6.6.

6.1. Modifications to Existing Procedures

LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs), Revision 12, was distributed in September 2006. Twenty-eight procedures were revised:

SOP 1.1, “Field borehole logging.”

SOP 1.2, “Borehole Sampling of Unconsolidated Sediment and Rock.”

SOP 1.3, “Drilling.”

SOP 1.4, “Monitor Well Installation.”

SOP 1.5, “Monitor Well Development.”

SOP 1.6, “Borehole Geophysical Logging.”

SOP 1.7, “Well Closure.”

SOP 1.9, “Suction Lysimeter Soil Moisture Sampling.”

SOP 1.10, “Soil Vapor Sampling.”

SOP 1.11, “Soil Surface Flux Monitoring of Gaseous Emissions.”

SOP 1.12, “Surface Soil Sampling.”

SOP 1.14, “Final Well Development/Specific Capacity Tests at LLNL Livermore Site and Site 300.”

SOP 1.15, “Well Site Core Handling.”

SOP 1.16, “Four Wheel All Terrain Vehicle (ATV) Operation.”

SOP 1.17, “Treatment Facility Vapor Sampling.”

SOP 1.18, “Deployment, Retrieval, Sampling, and Maintenance of Instrumented Membrane Technology (IMT) Borehole Liner Systems.”

SOP 2.1, “Pre-sample Purging of Wells.”

SOP 3.1, “Water-Level Measurements.”

SOP4.2, “Sample Control and Documentation.”

SOP 4.4, “Guide to Packing and Shipping of Samples.”

SOP 4.6, “Validation and Verification of Radiological and Nonradiological Data Generated by Analytical Laboratories.”

SOP 4.8, “Calibration/Verification and Maintenance of Field Instruments Used in Measuring Parameters of Surface Water, Ground Water, and Soils.

SOP 4.12, “Quality Improvement Forms.”

SOP 4.13, “Standard Operating Procedure Process.”

SOP 4.15, “ERD Self-assessments and Walk-abouts.”

SOP 4.16, “ERD Lockout/Tagout Program.”

SOP 4.17, “Change of Aqueous and Vapor Phase Granular Activated Carbon.”

SOP 5.3, “Data Management Electronic Analytical Result Receipt and Processing for Sample and Analysis Data.”

In Addition, obsolete SOP 1.13, “SIMCO Drill Rig Operation” was deleted.

6.2. New Procedures

One new procedure, SOP 1.13, “Operation of the AMS TR7000 Well Management System” was distributed in the SOP manual in September 2006.

Operations and Maintenance (O&M) Manuals: Volume VII: Treatment Facility Eastern General Services Area (TFEGSA) and Volume XII: Portable Treatment Units were approved and released by August 2006. Volume VIII: O&M Manual for Treatment Facility at Building 830 (TF830), Volume XIII: O&M Manual for Miniature Treatment Units (MTUs), Groundwater

Treatment Units (GTUs), and Solar Treatment Units (STUs) and Volume XIV: O&M Manual for Vapor Treatment Facilities have also been developed are in the review process.

6.3. Self-assessments

The Safety and Environmental Protection Directorate, and the ERD perform formal and informal self-assessments at an annual or triennial frequency. These assessments are used to evaluate work activities to QA procedures, management practices, and the integration of ES&H programmatic requirements. External regulatory agencies also perform frequent walkabouts during ERD work activities. During this reporting period, there were a total of ten assessments and walkabouts performed for the ERD Site 300 work activities. Specifically, the Worker Safety & Health Assessment Team conducted an inspection of all ERD facility work activities during the month of June. Issues and deficiencies observed during the assessments are tracked from inception to resolution using the institutional Issues Tracking System (ITS). To date, all Worker Safety & Health Assessment related deficiencies have been successfully corrected and closed-out in the ITS.

A newly developed assessment program titled, "QA/QC Program for Ground Water Sampling Activities" was implemented by the ERD in July 2006 to evaluate ground water sample collection activities. Routine ground water sample collection activities were assessed in July and August of 2006.

6.4. Quality Issues and Corrective Actions

Quality improvement, nonconformance, and corrective action reporting is documented using the Quality Improvement Form (QIF). A total of five QIFs were processed during this reporting period. Suggested improvements were addressed and corrective measures employed to improve related processes. Three of the QIFs have been successfully closed-out and one QIF is still pending approval. Corrective actions or suggested improvements specified in the remaining QIF are being implemented.

6.5. Analytical Quality Control

Data review, validation, and verification are conducted on 100% of the incoming analytical data. Contract analytical laboratories are contractually required to provide internal quality control (QC) checks in the form of method blanks, laboratory control samples, matrix spikes, and matrix spike or sample duplicate results with every analysis. During validation the analytical QC data and associated QC acceptance criteria (control limits) are reviewed. Data qualifier flags may be assigned to analytical data based on the results of this review. For example, data will be qualified as rejected when there was a serious deficiency in the ability to analyze the sample and meet QC criteria and the presence or absence of the analyte cannot be verified. Data qualifier flags and their definitions are listed in the Acronyms and Abbreviations in the Tables section of this report. The qualifier flags, when they exist, appear next to the analytical data presented in the treatment facility compliance tables and in Appendix B of this report. Because rejected data are not used for decision-making, the rejected analytical data is not displayed in the tables, only the "R" flag is presented.

6.6. Field Quality Control

Quality control is implemented during the sample collection process in the field. Ten percent of samples are collocated (5% intralaboratory and 5% interlaboratory). Field blanks and trip blanks are used to identify contamination that may occur during sample collection, transportation, or handling of samples at the analytical laboratory. Equipment blanks are used to determine the effectiveness of decontamination processes of portable equipment used for purging and/or sample collection. There were no cross-contamination issues indicated by trip blank, field blank, or equipment blank analyses during this reporting period.

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Figures

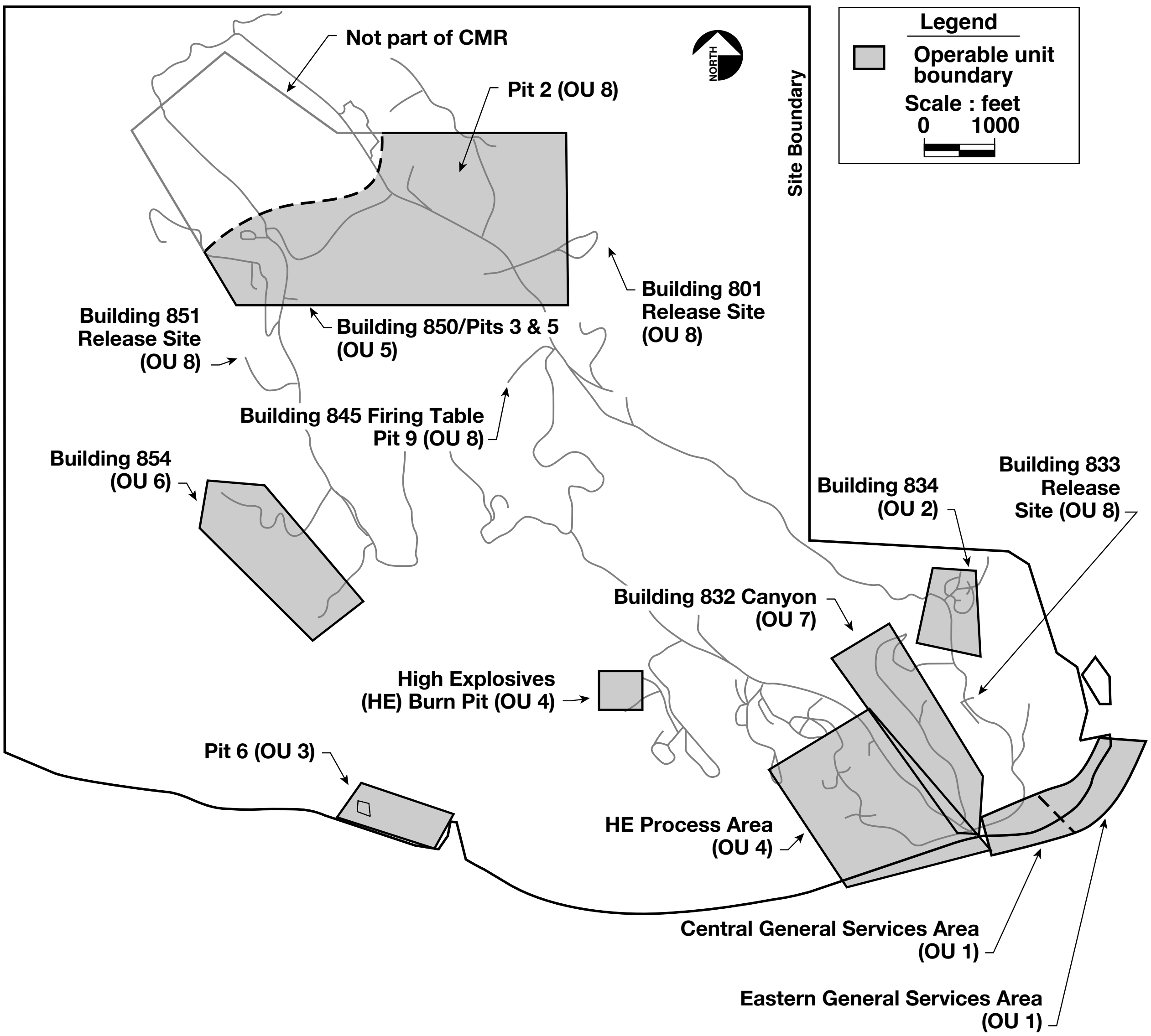

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Figure 2-1. Site 300 map showing OU locations.

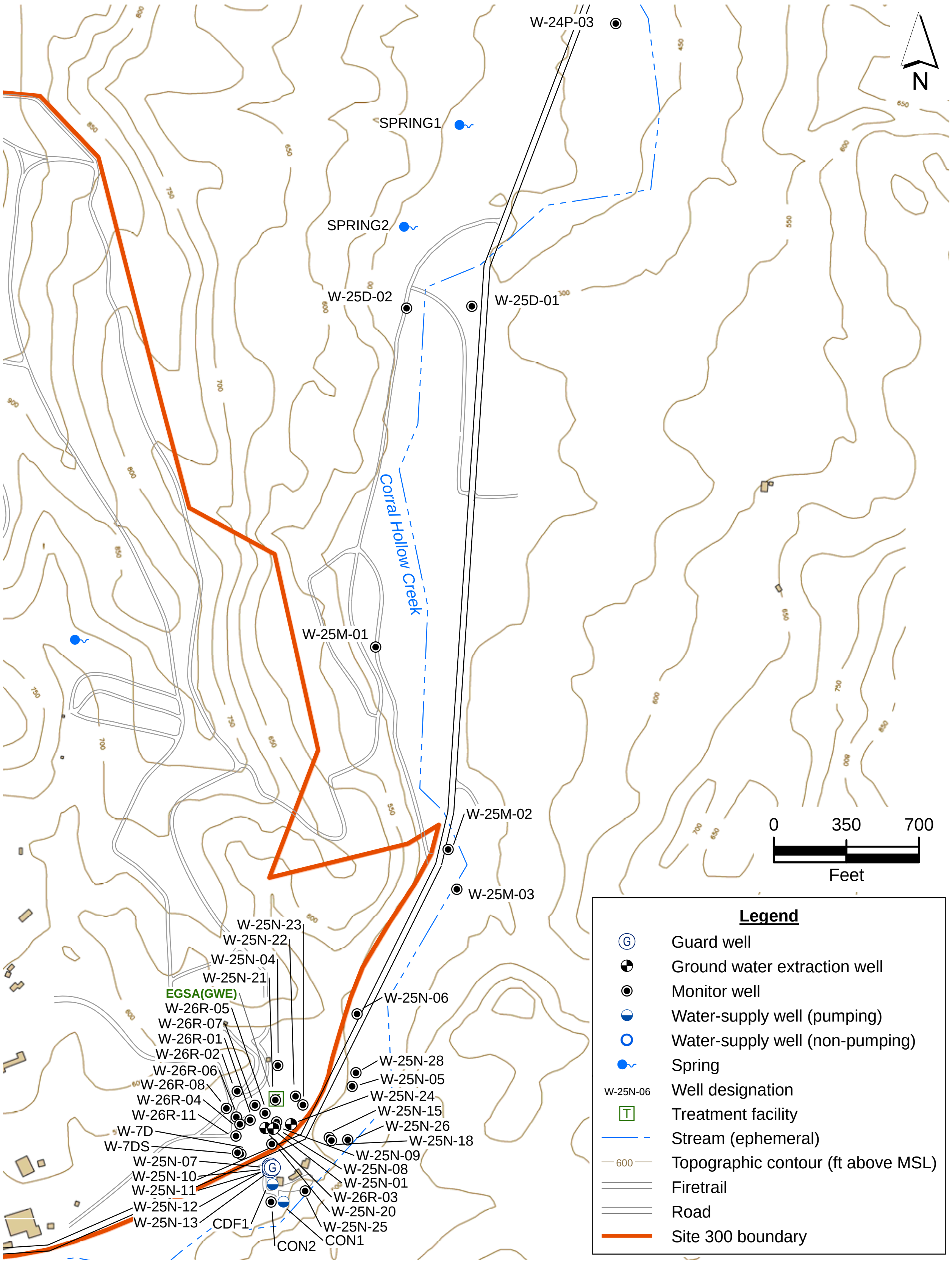

Figure 2.1-1. Eastern General Services Area OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

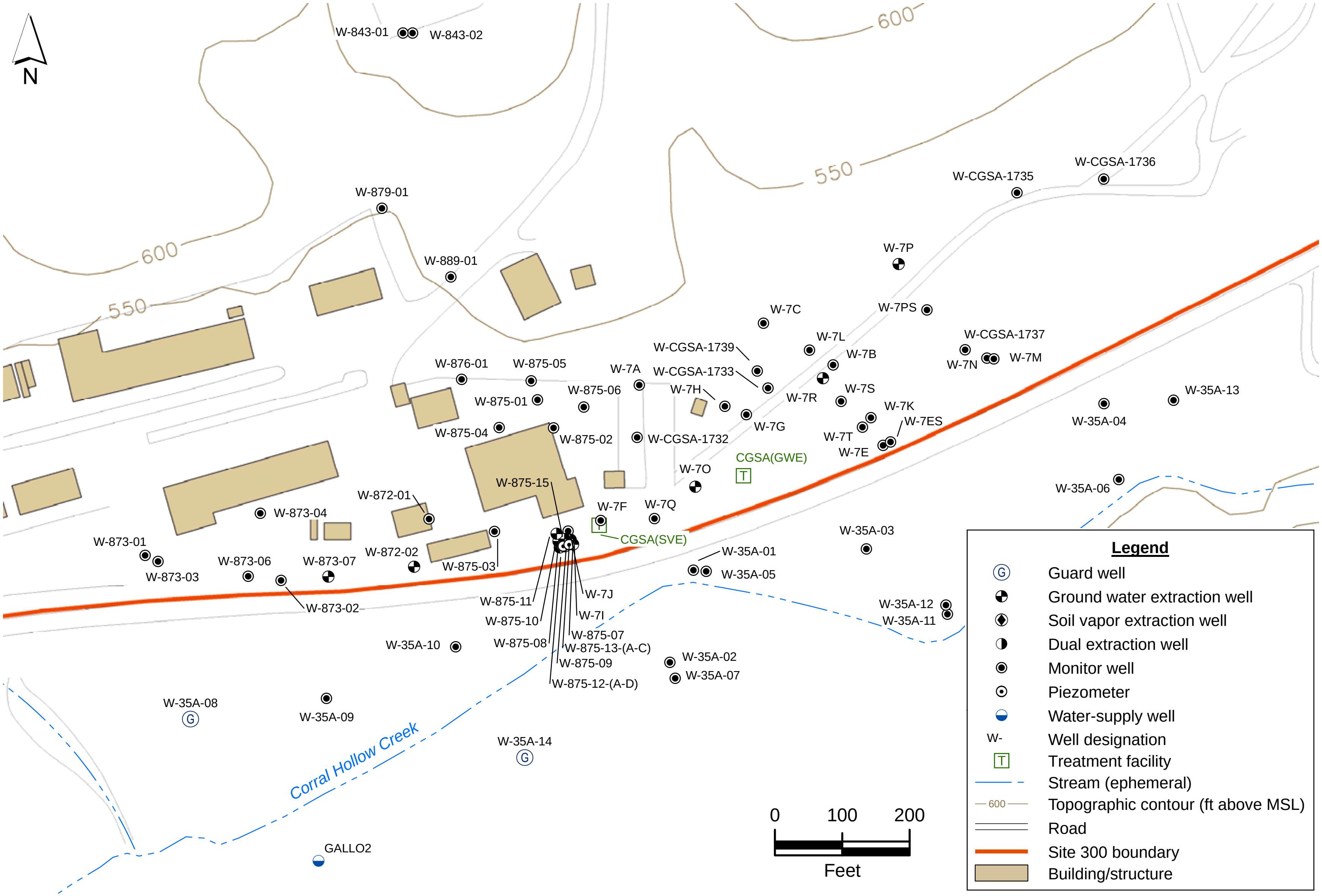

Figure 2.1-2. Central General Services Area OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

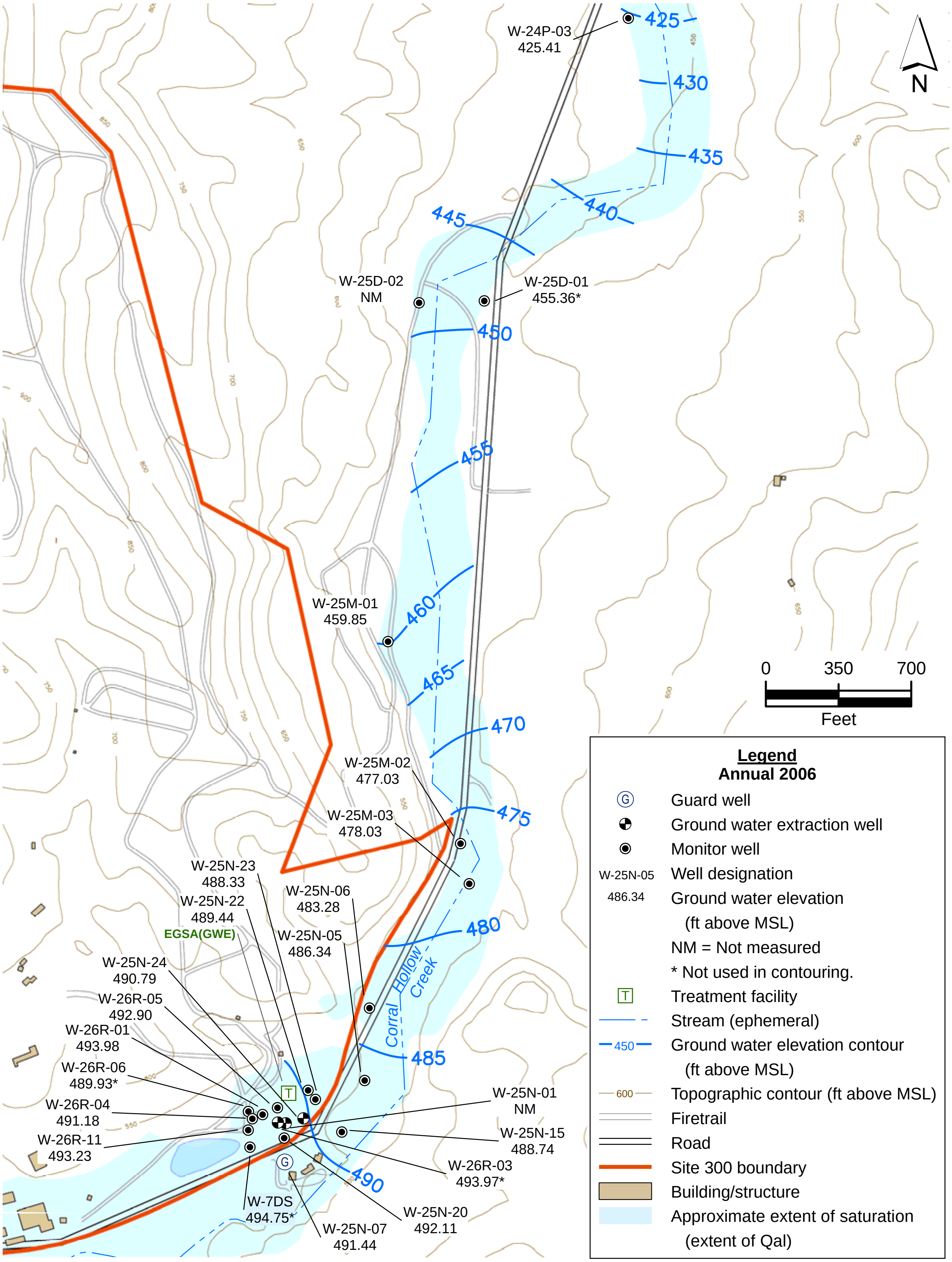

Figure 2.1-3. Eastern General Services Area OU ground water potentiometric surface map for the Qal-Tnbs$_1$ HSU.

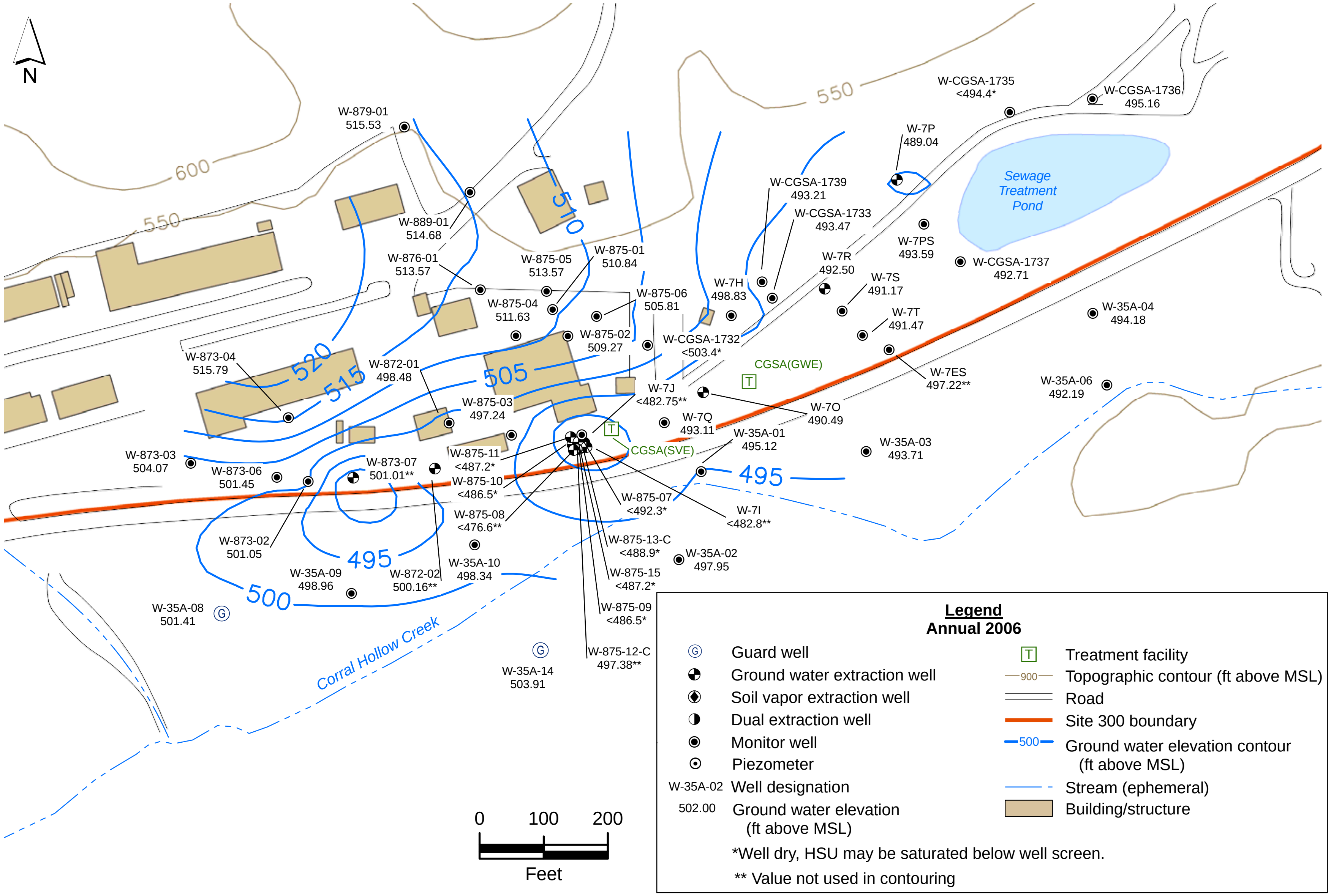

Figure 2.1-4. Central General Services Area OU ground water potentiometric surface map for the Qt-Tnsc$_1$ and Qal-Tnbs$_1$ HSUs.

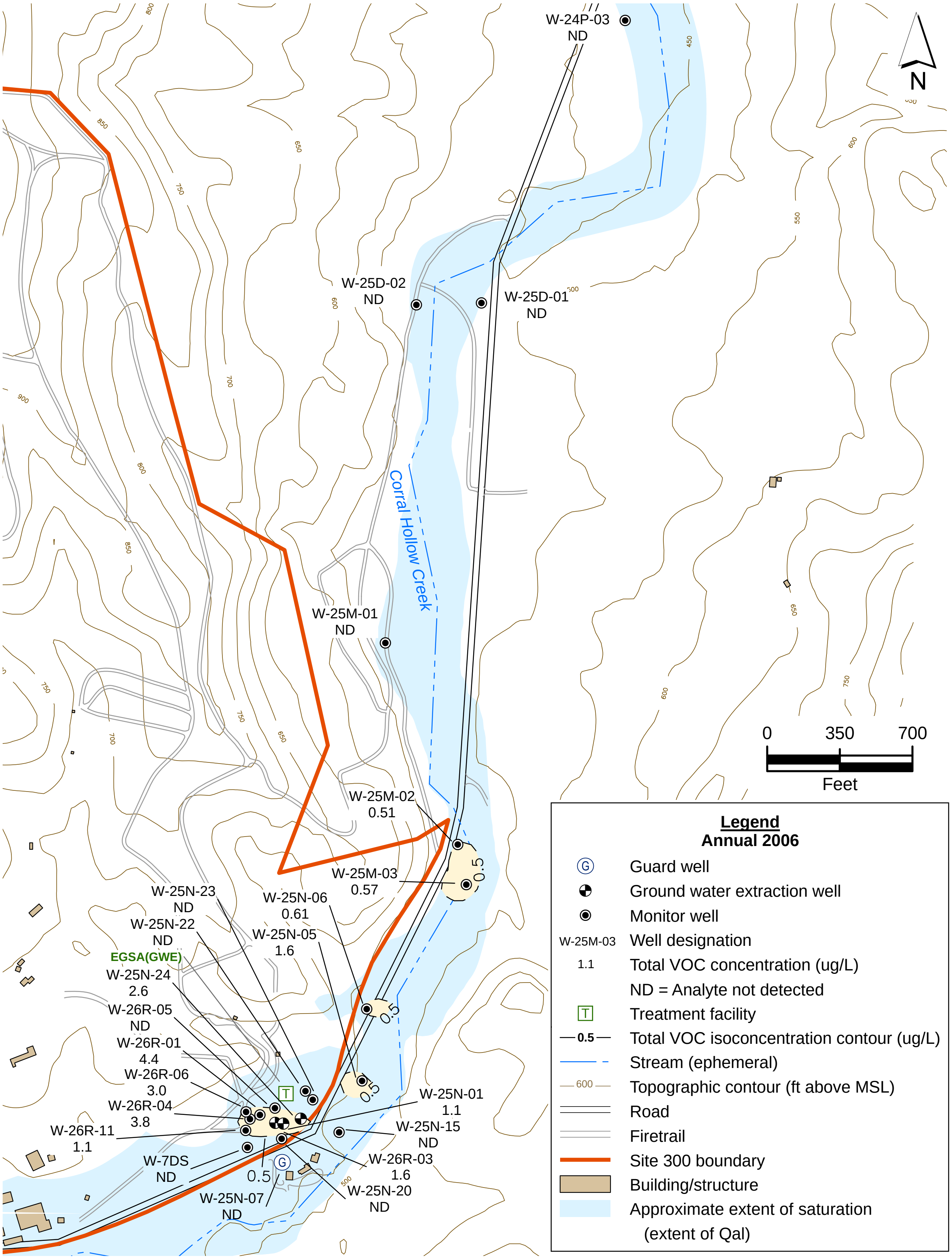

Figure 2.1-5. Eastern General Services Area OU total VOC isoconcentration contour map for the Qal-Tnbs$_1$ HSU.

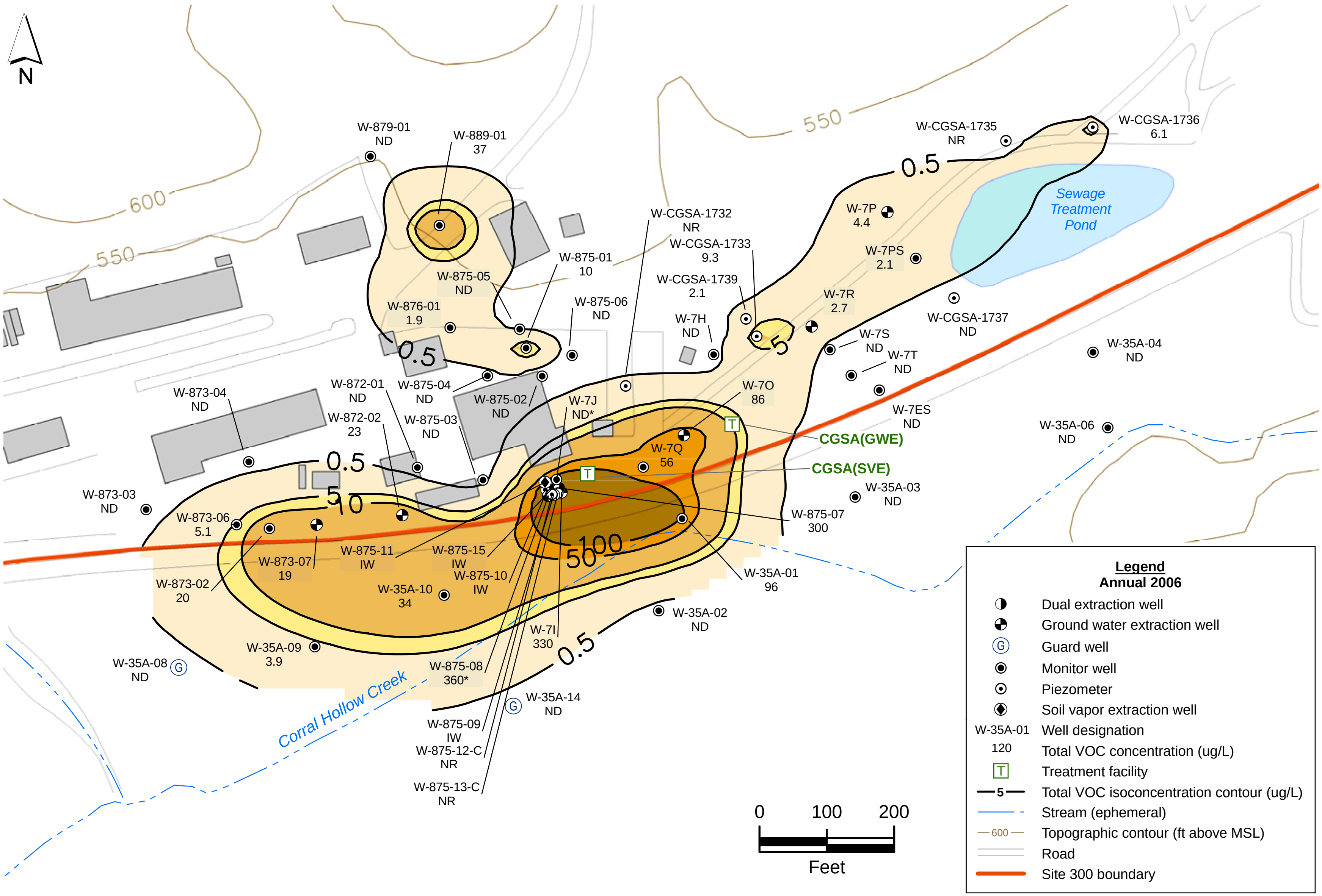

Figure 2.1-6. Central General Services Area OU total VOC isoconcentration contour map for the Qt-Tnsc$_1$ and Qal-Tnbs$_1$ HSUs.

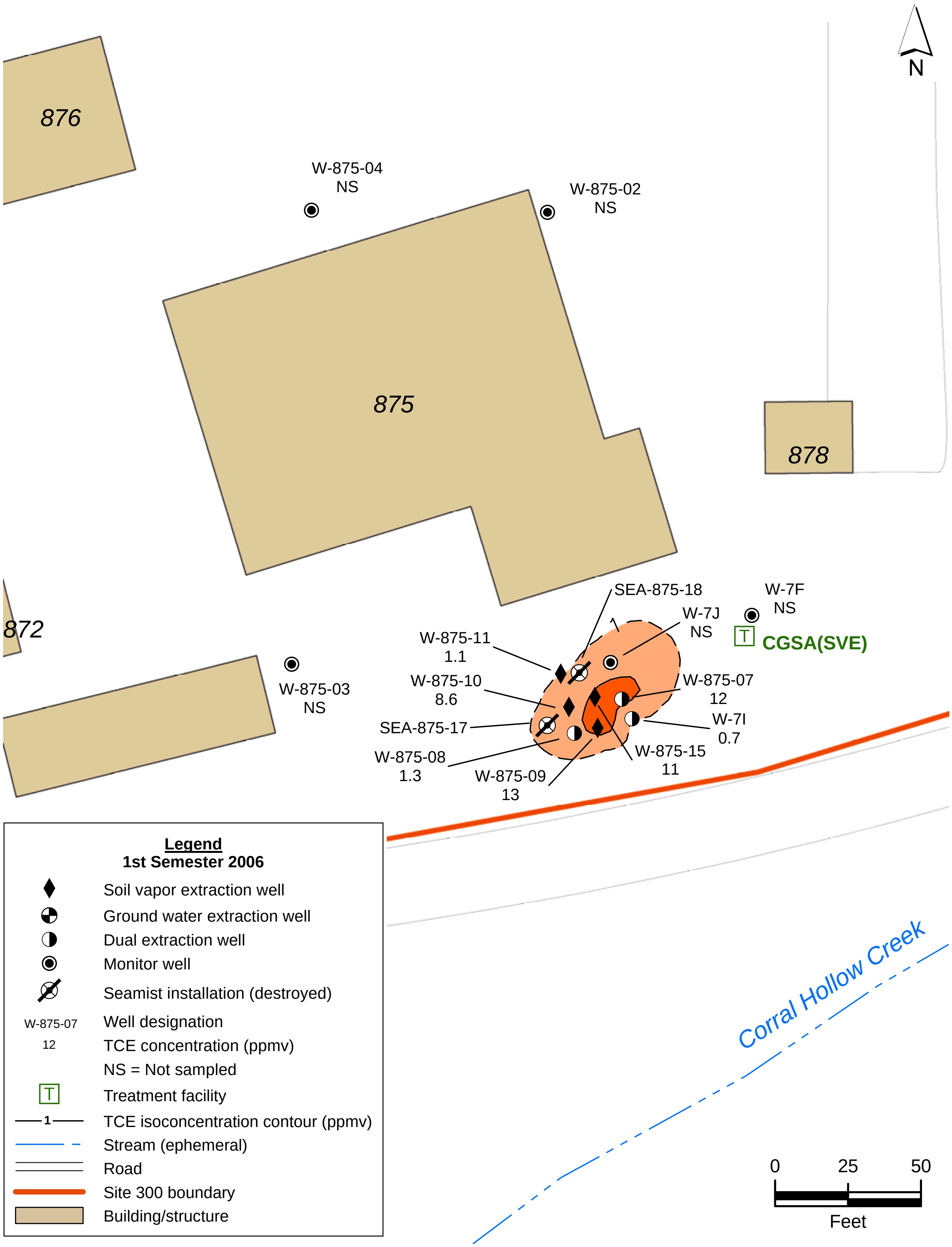

Figure 2.1-7. TCE concentration (ppm$_{v/v}$) in soil vapor near Building 875 of the Central GSA, October 11, 2006.

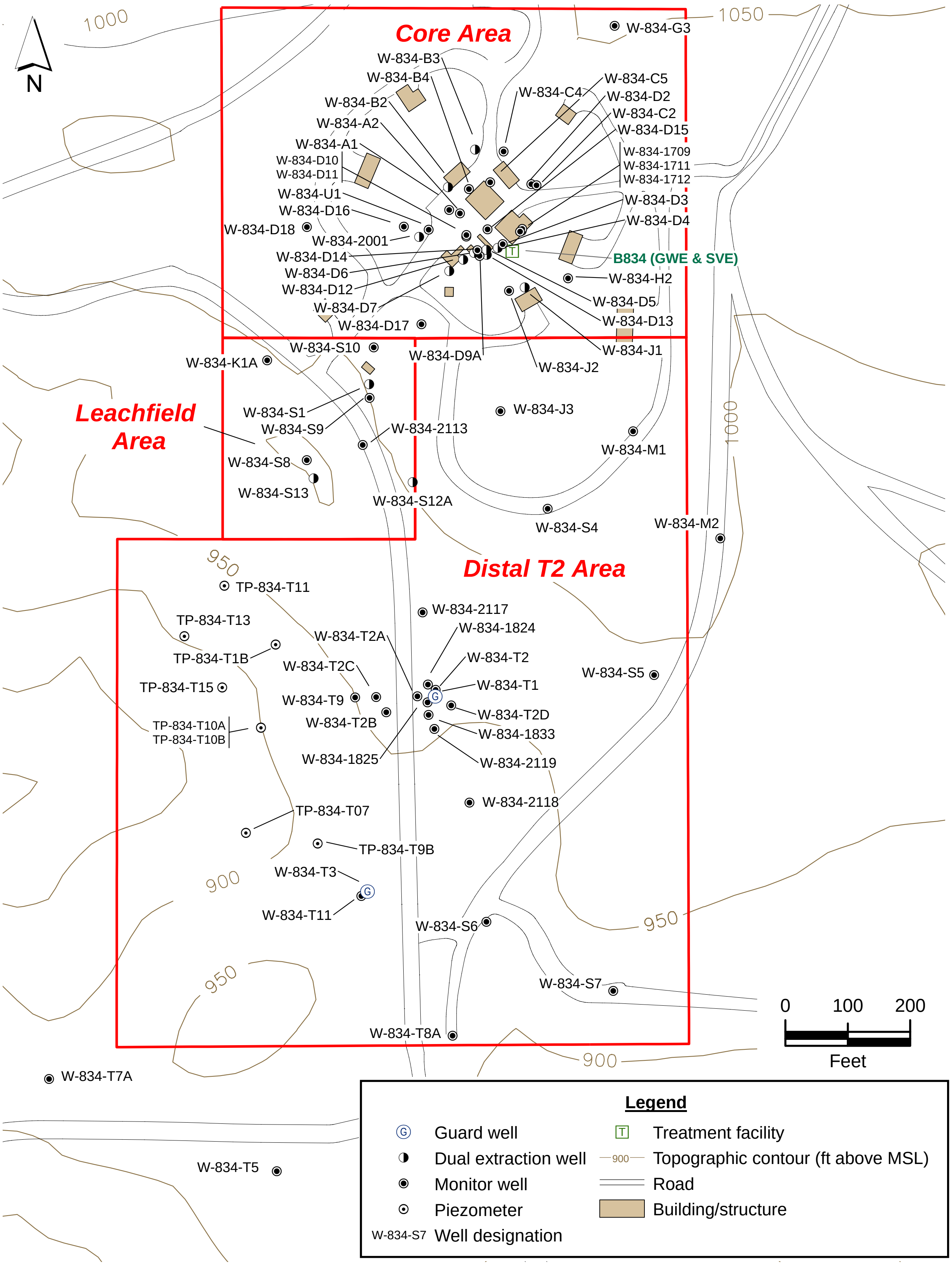

Figure 2.2-1. Building 834 OU site map showing monitor and extraction wells, and treatment facilities.

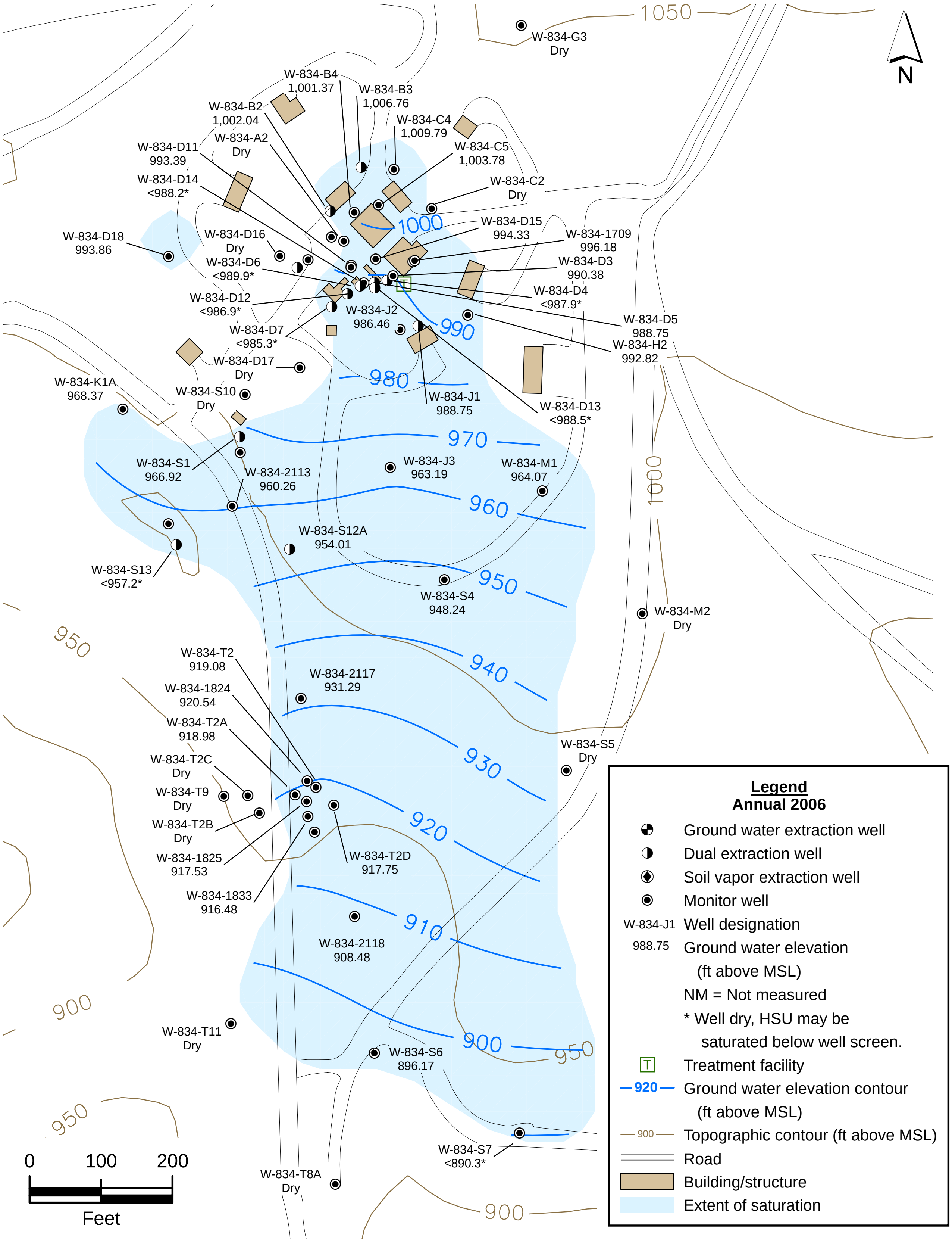

Figure 2.2-2. Building 834 OU ground water potentiometric surface map for the Tpsg perched water-bearing zone.

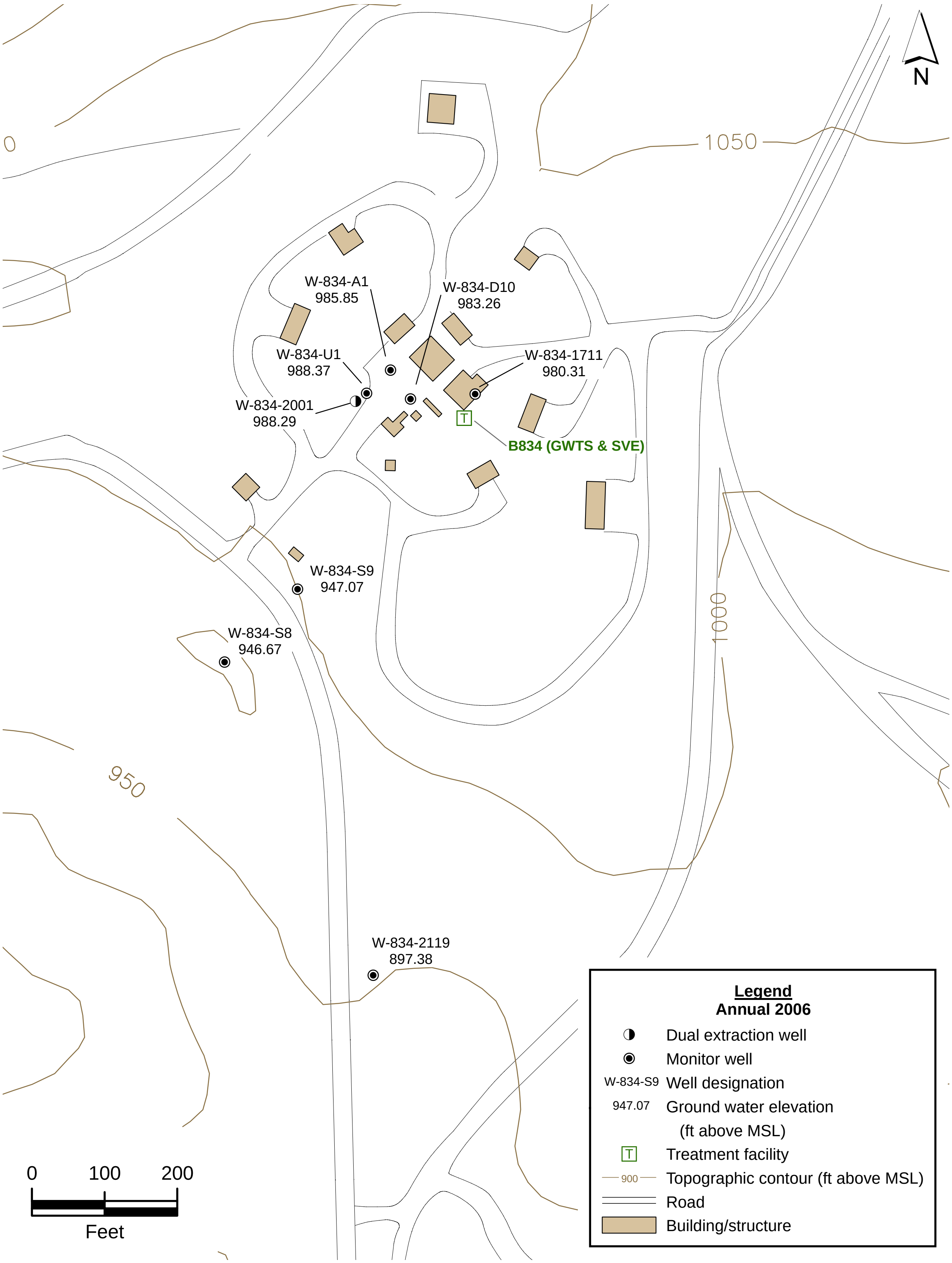

Figure 2.2-3. Building 834 OU map showing ground water elevations for the Tps-Tnsc$_2$ HSU.

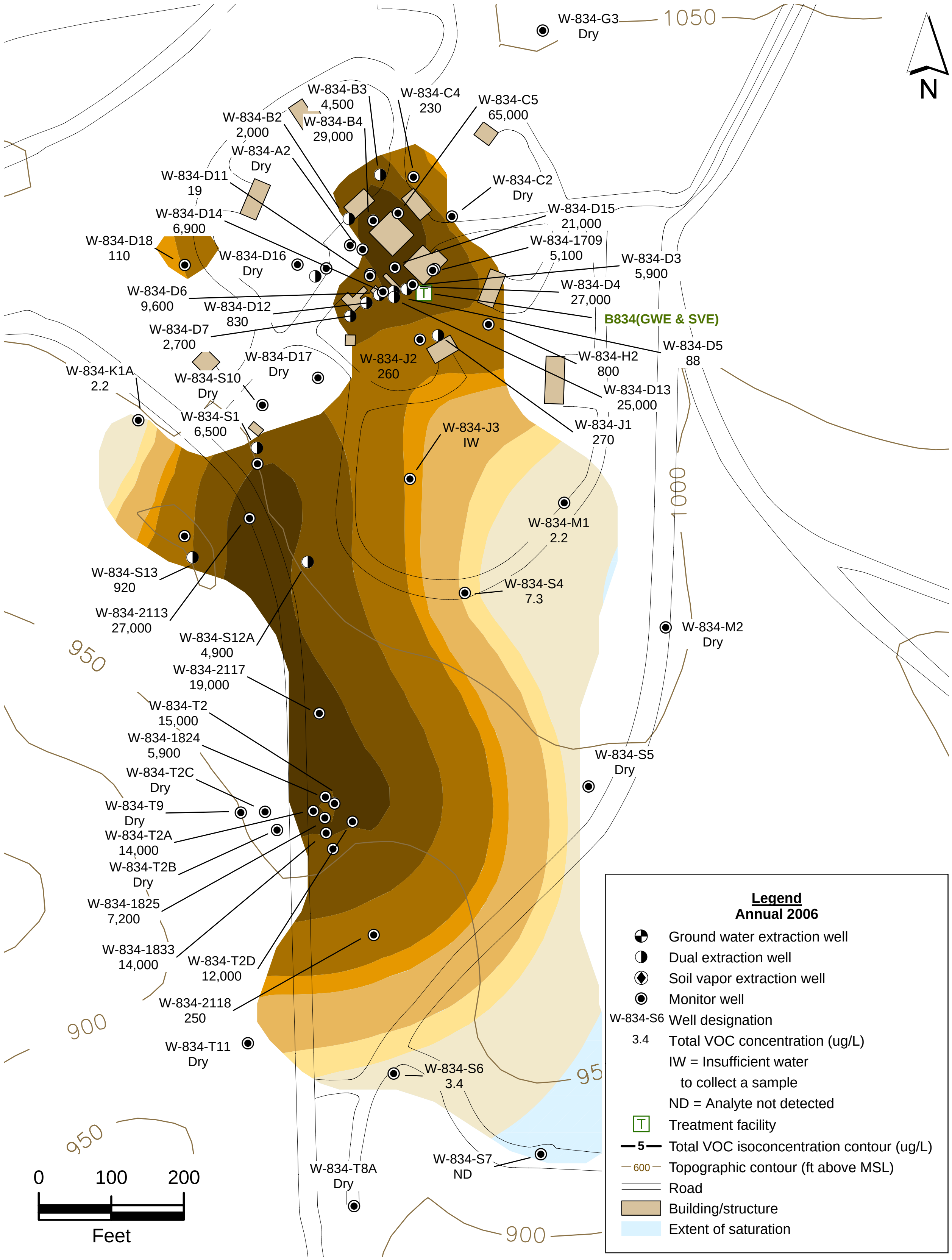

Figure 2.2-4. Building 834 OU total VOC isoconcentration contour map for the Tpsg perched water-bearing zone.

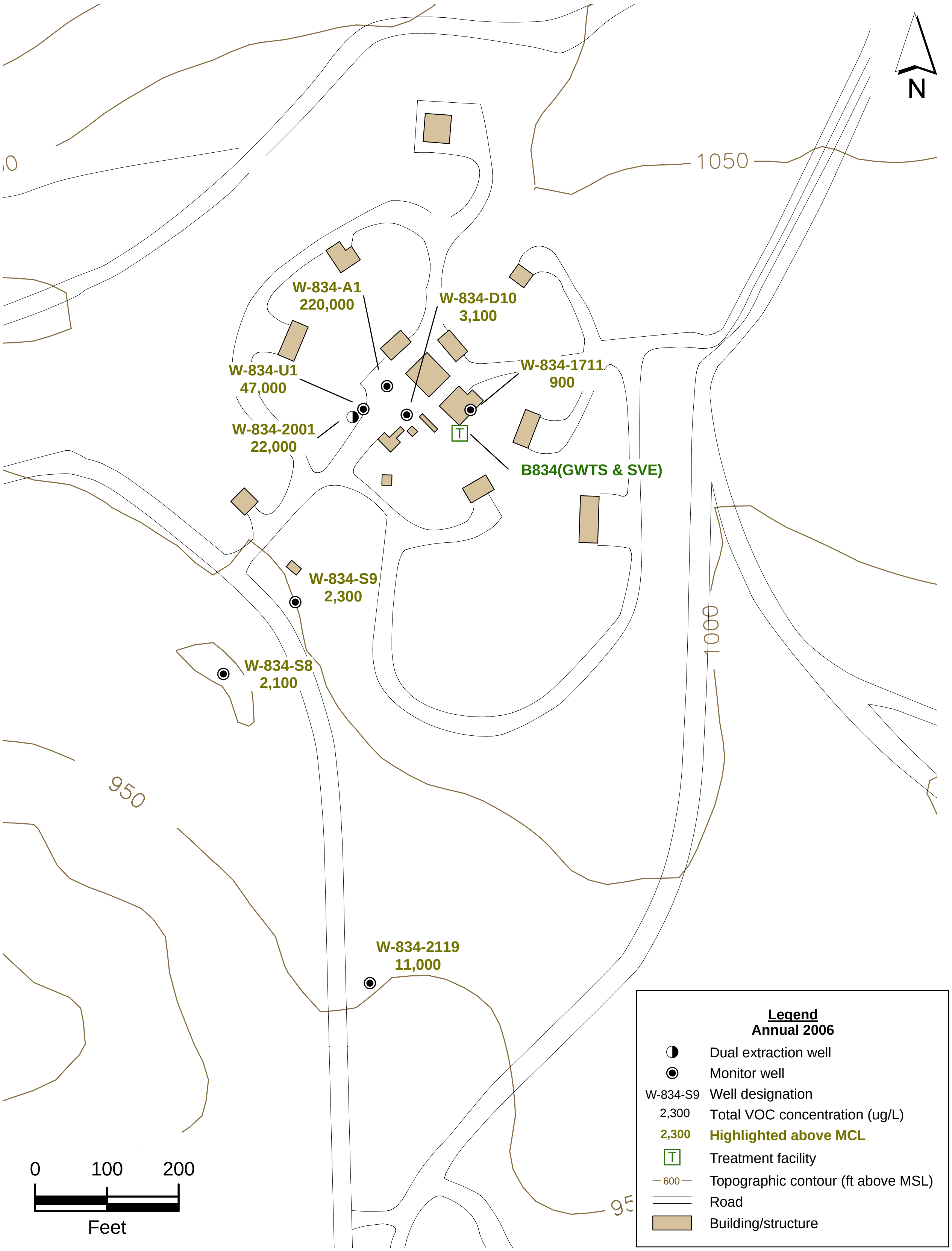

Figure 2.2-5. Building 834 OU map showing total VOC concentrations for the Tps-Tnsc$_2$ HSU.

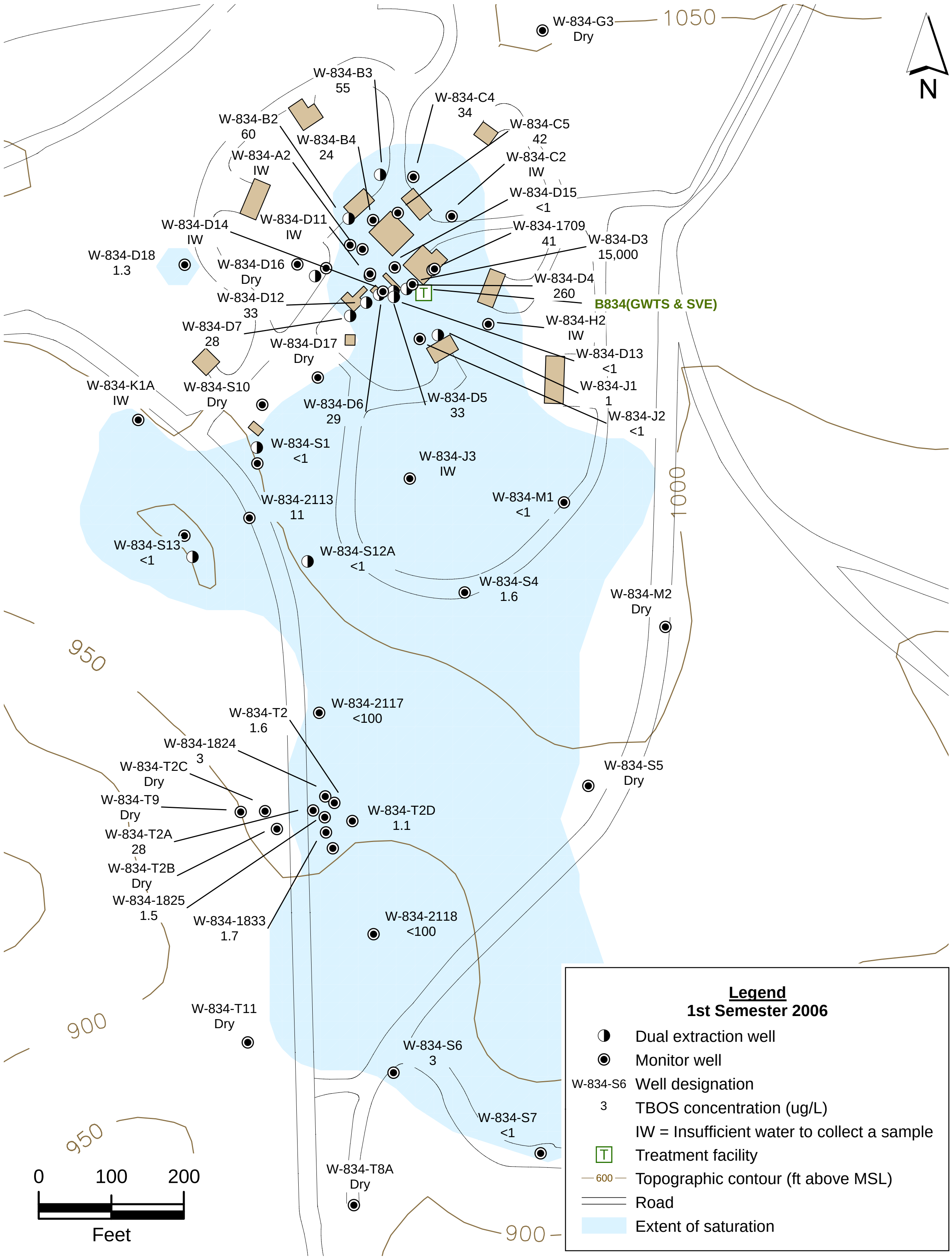

Figure 2.2-6. Building 834 OU map showing TBOS concentrations for the Tpsg perched water-bearing zone.

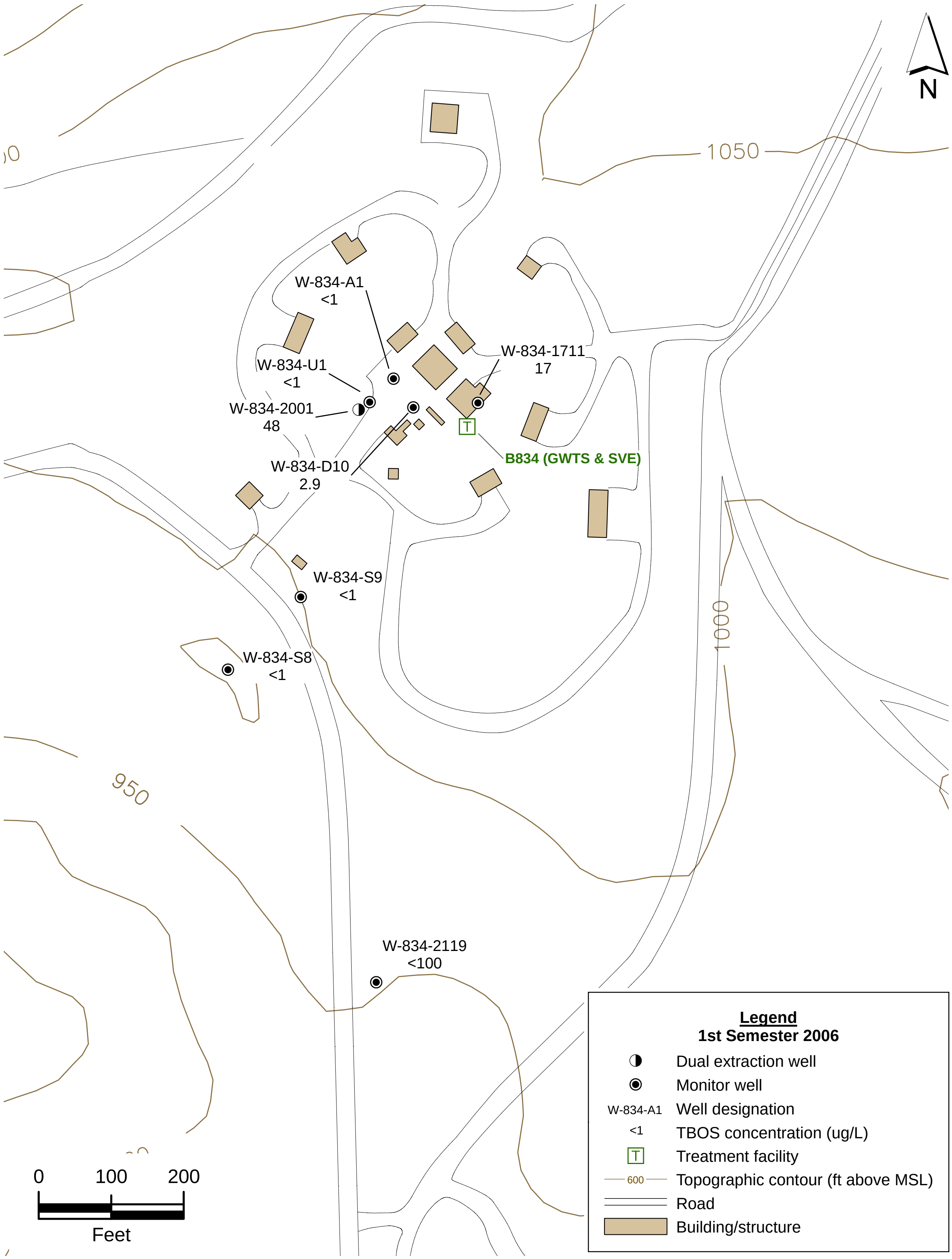

Figure 2.2-7. Building 834 OU map showing TBOS concentrations for the Tps-Tnsc$_2$ HSU.

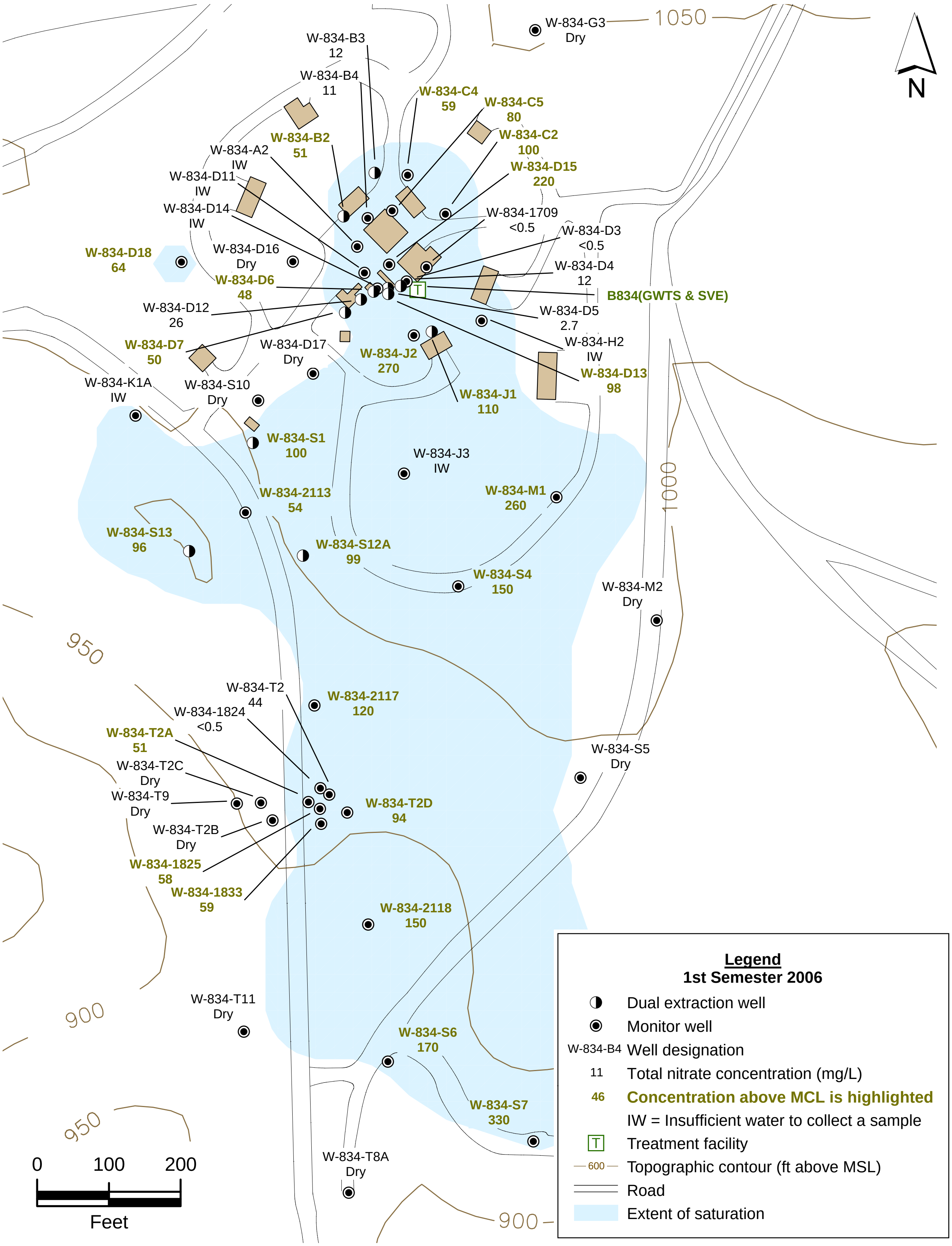

Figure 2.2-8. Building 834 OU map showing nitrate concentrations for the Tpsg perched water-bearing zone.

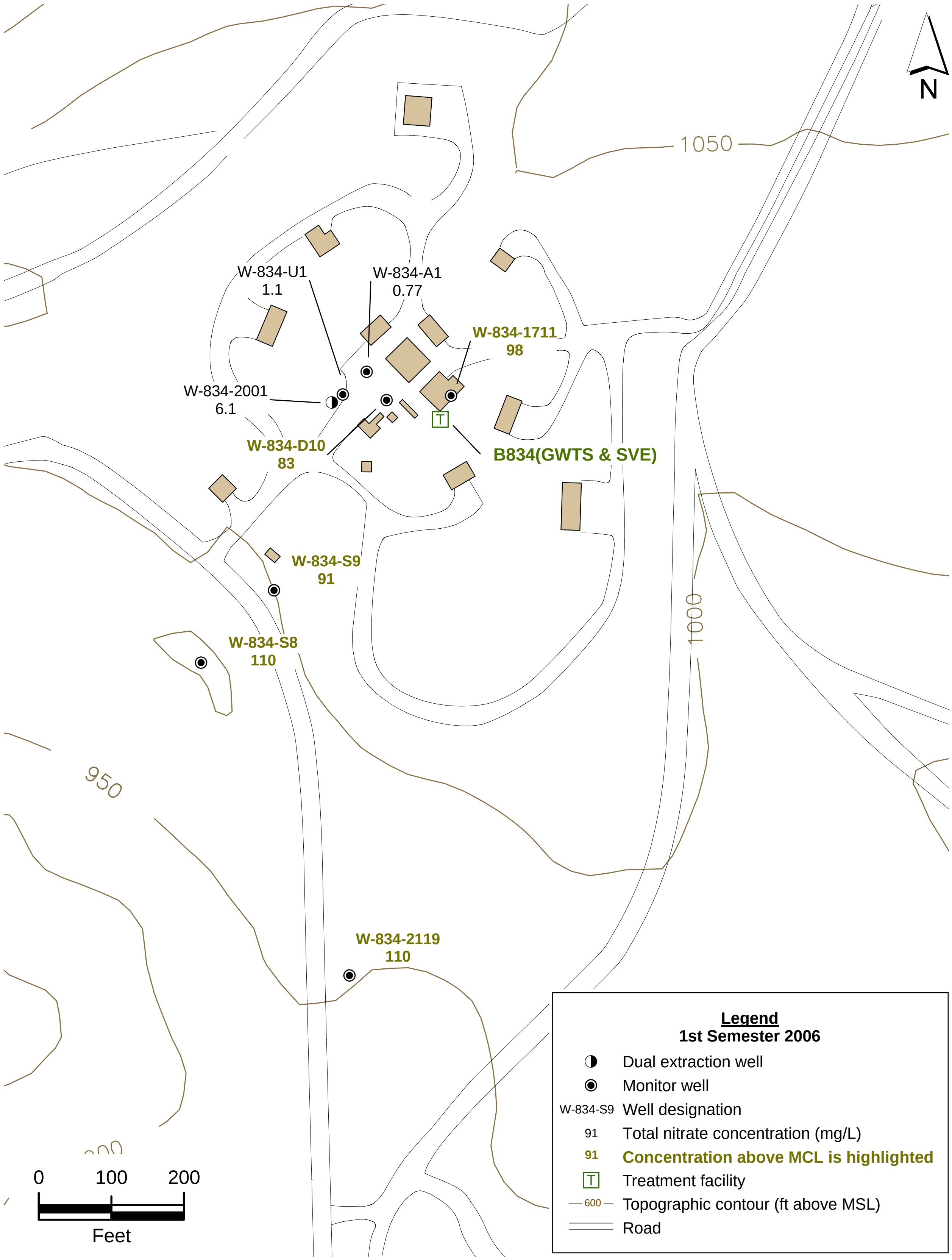

Figure 2.2-9. Building 834 OU map showing nitrate concentrations for the Tps-Tnsc$_2$ HSU.

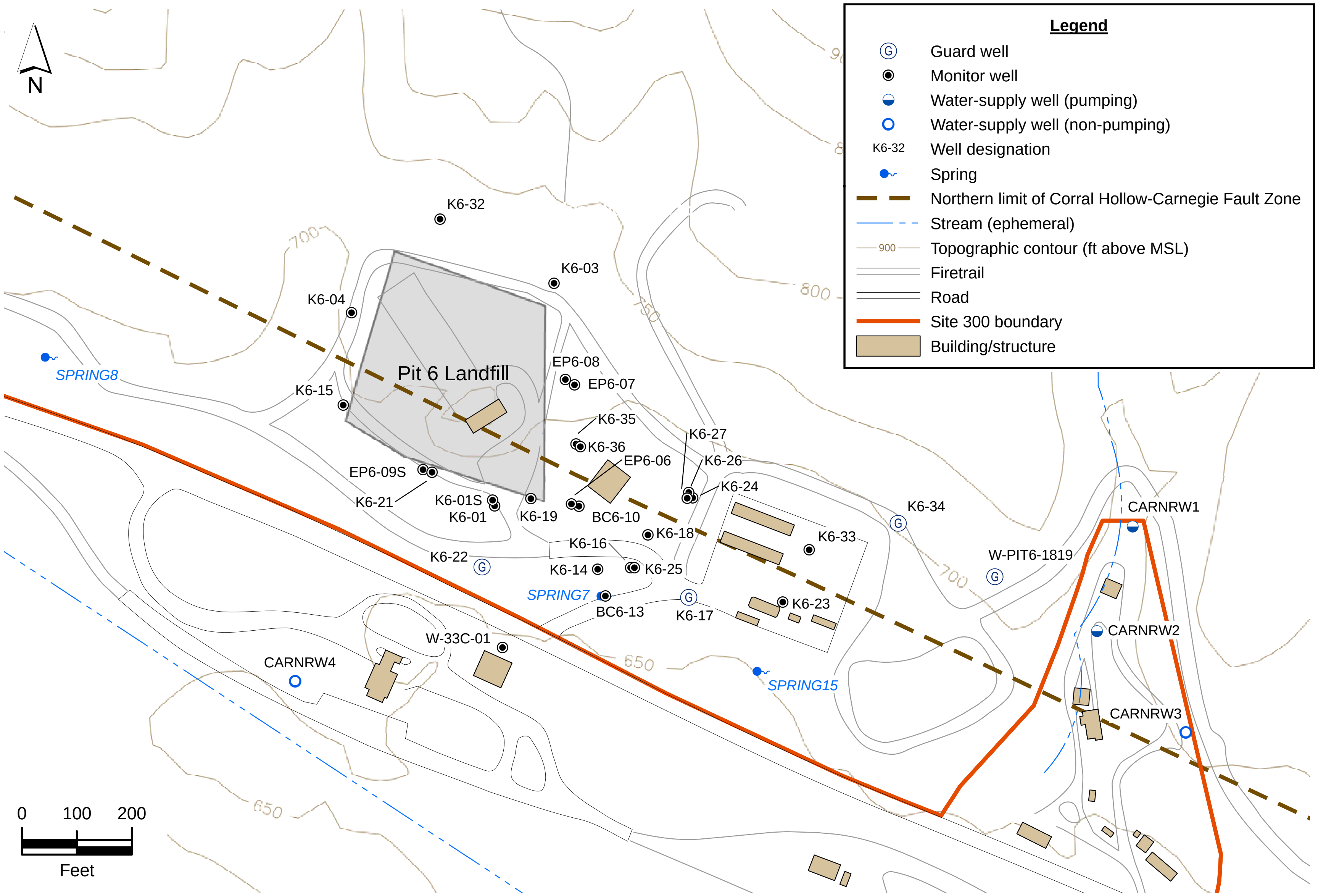

Figure 2.3-1. Pit 6 Landfill OU site map showing monitor and water-supply wells.

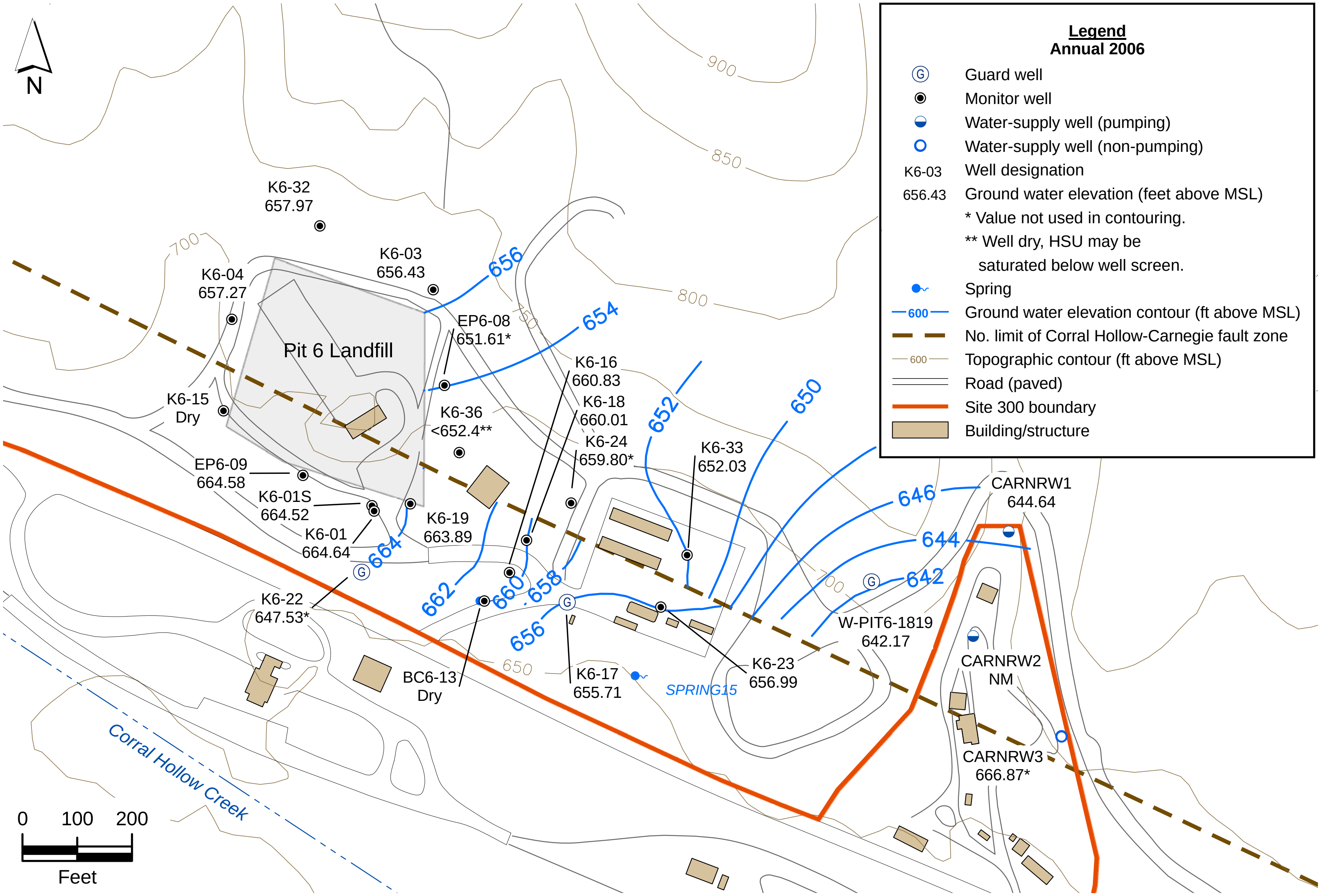

Figure 2.3-2. Pit 6 Landfill OU ground water potentiometric surface map for the Qt-Tnbs$_1$ HSU.

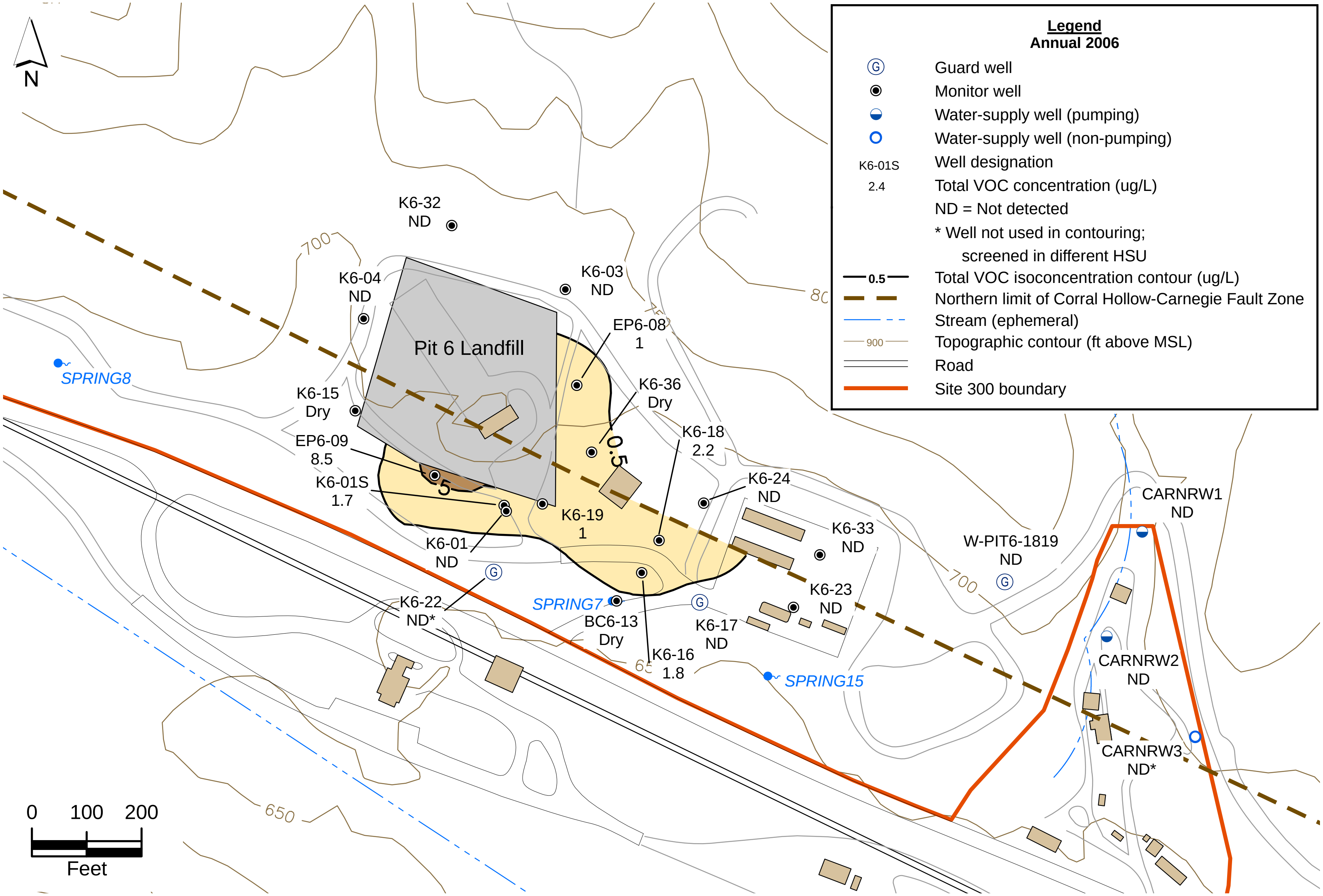

Figure 2.3-3. Pit 6 Landfill OU total VOC isoconcentration contour map for the Qt-Tnbs$_1$ HSU.

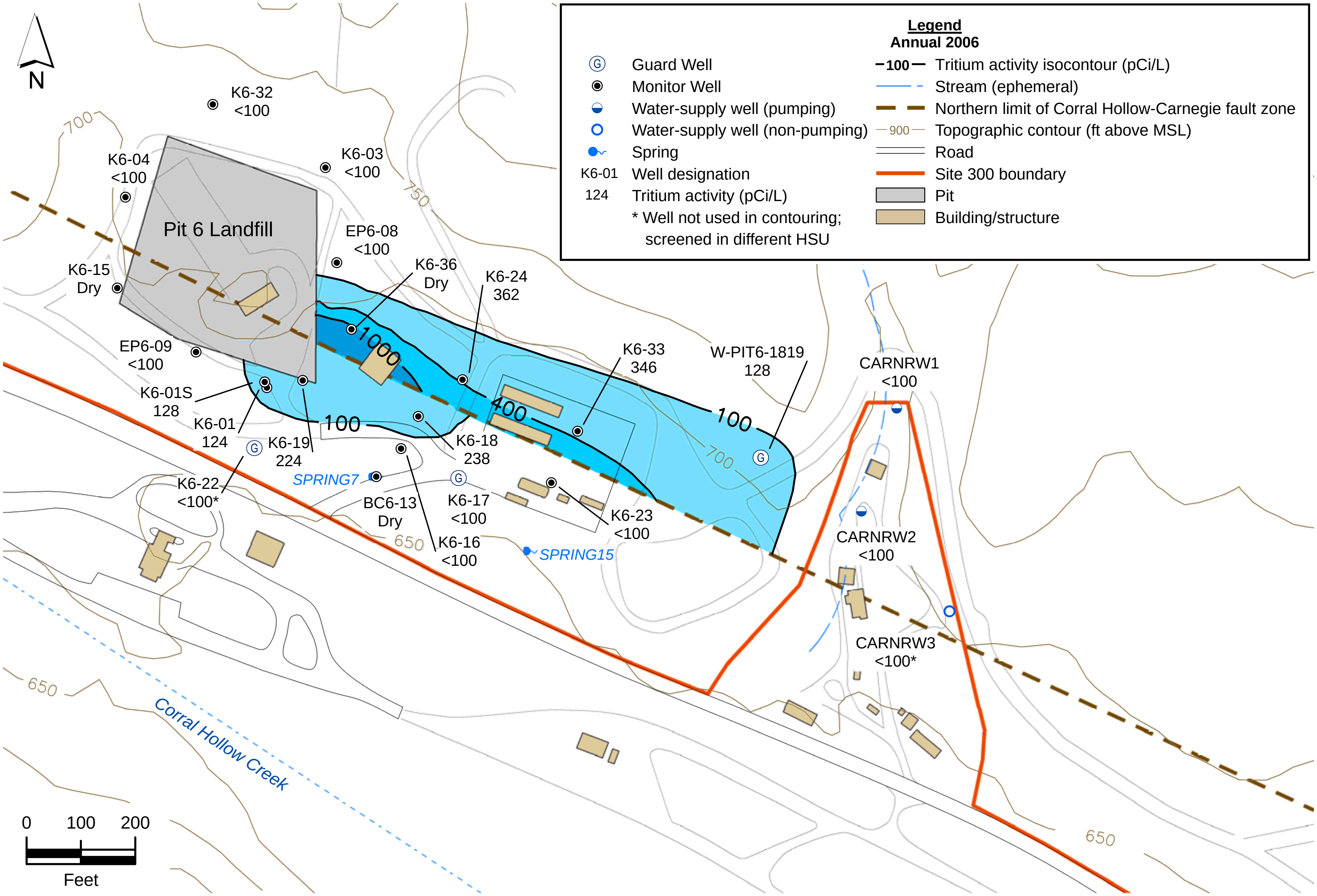

Figure 2.3-4. Pit 6 Landfill OU tritium activity isocontour map for the Qt-Tnbs$_1$ HSU.

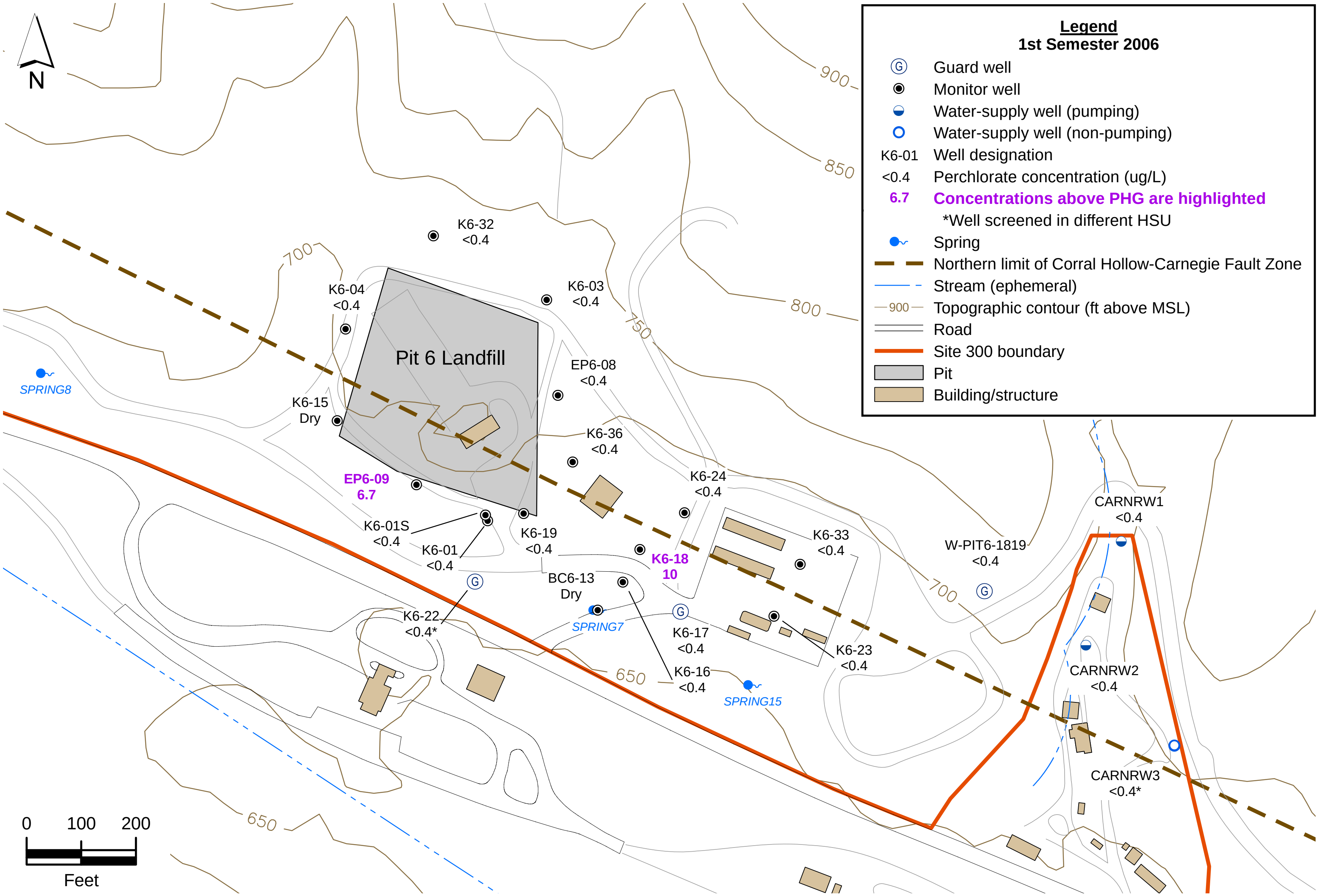

Figure 2.3-5. Pit 6 Landfill OU map showing perchlorate concentrations for the Qt-Tnbs$_1$ HSU.

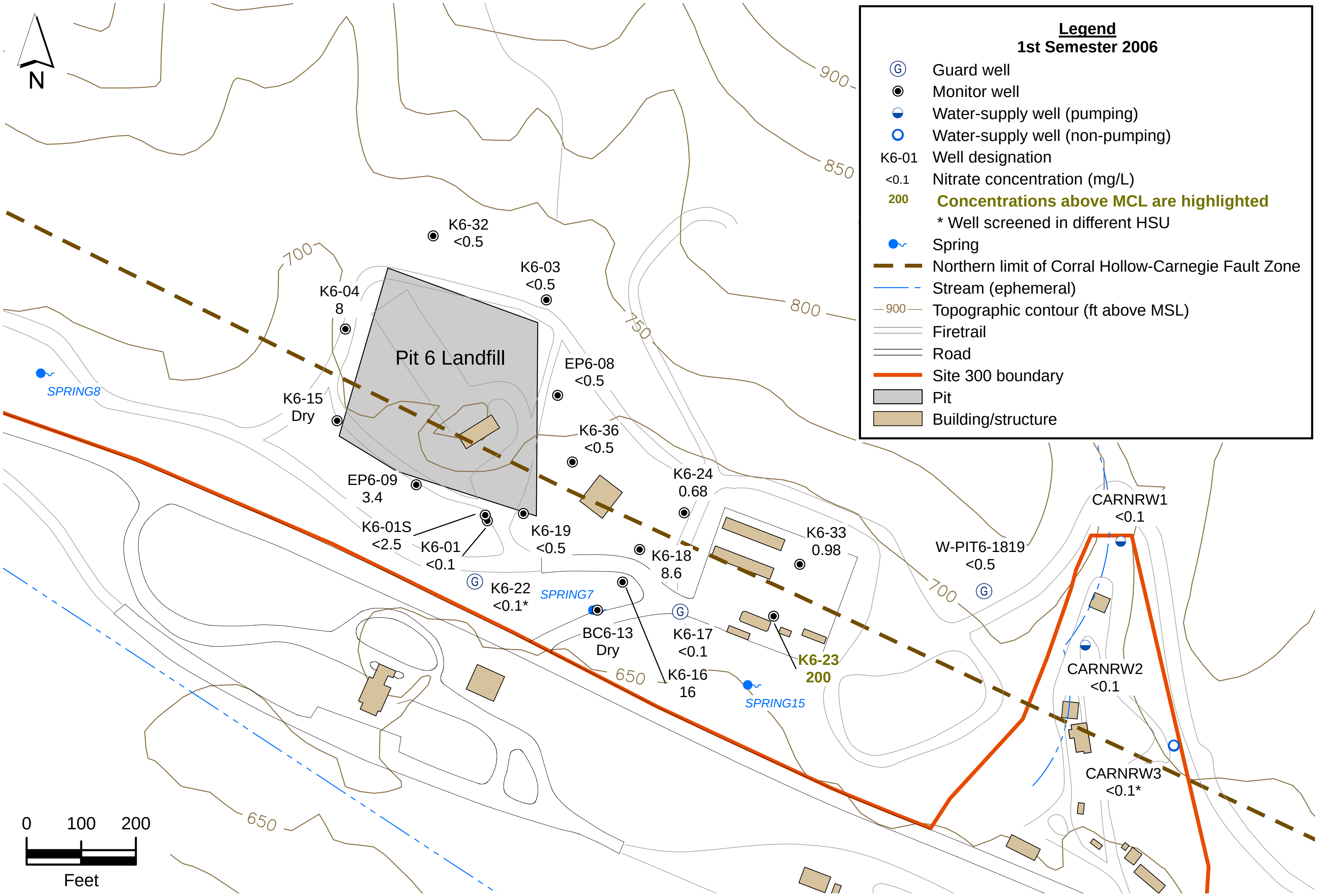

Figure 2.3-6. Pit 6 Landfill OU map showing nitrate concentrations for the Qt-Tnbs$_1$ HSU.

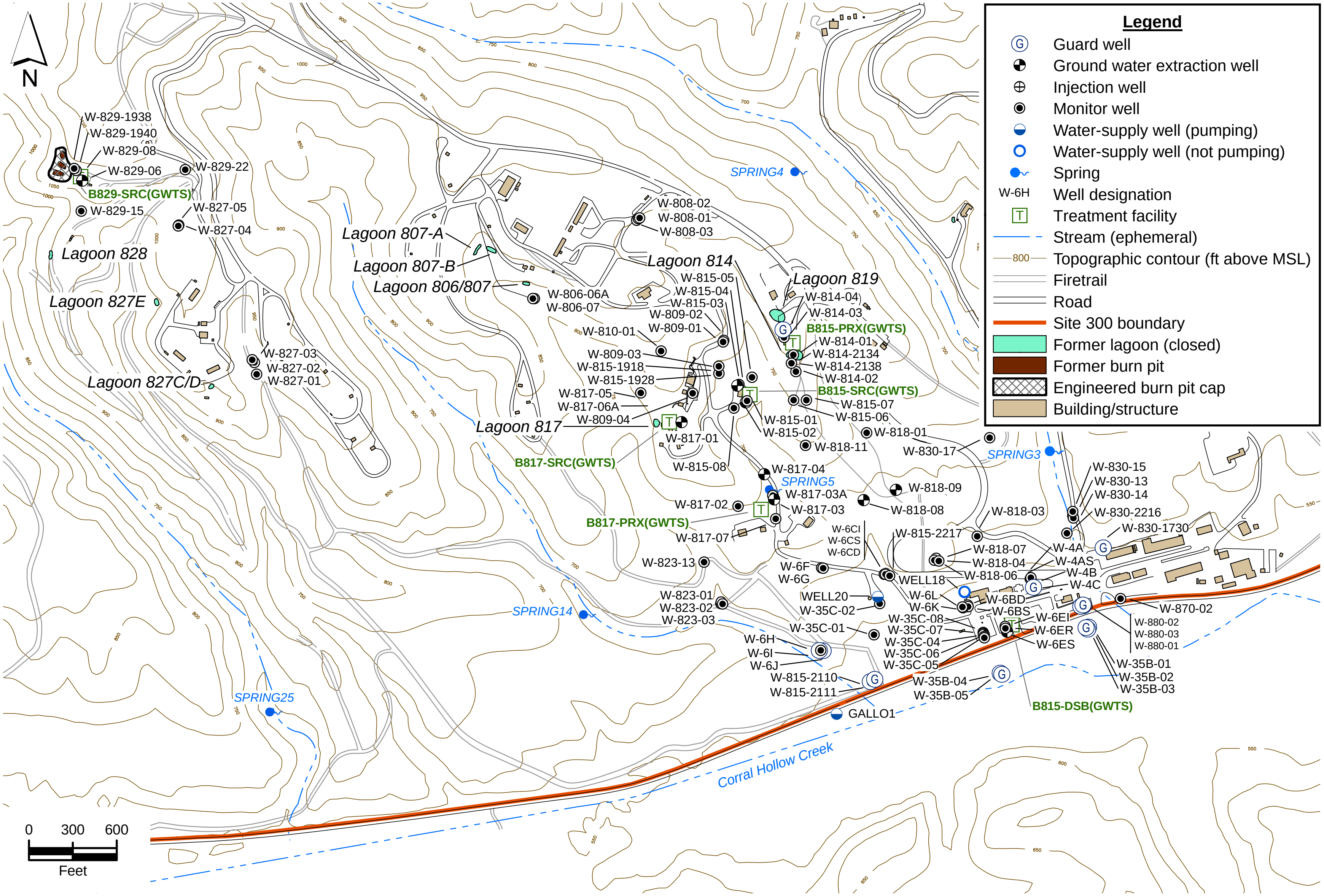

Figure 2.4-1. High Explosive Process Area OU site map showing monitor, extraction, injection, and water-supply wells, and treatment facilities.

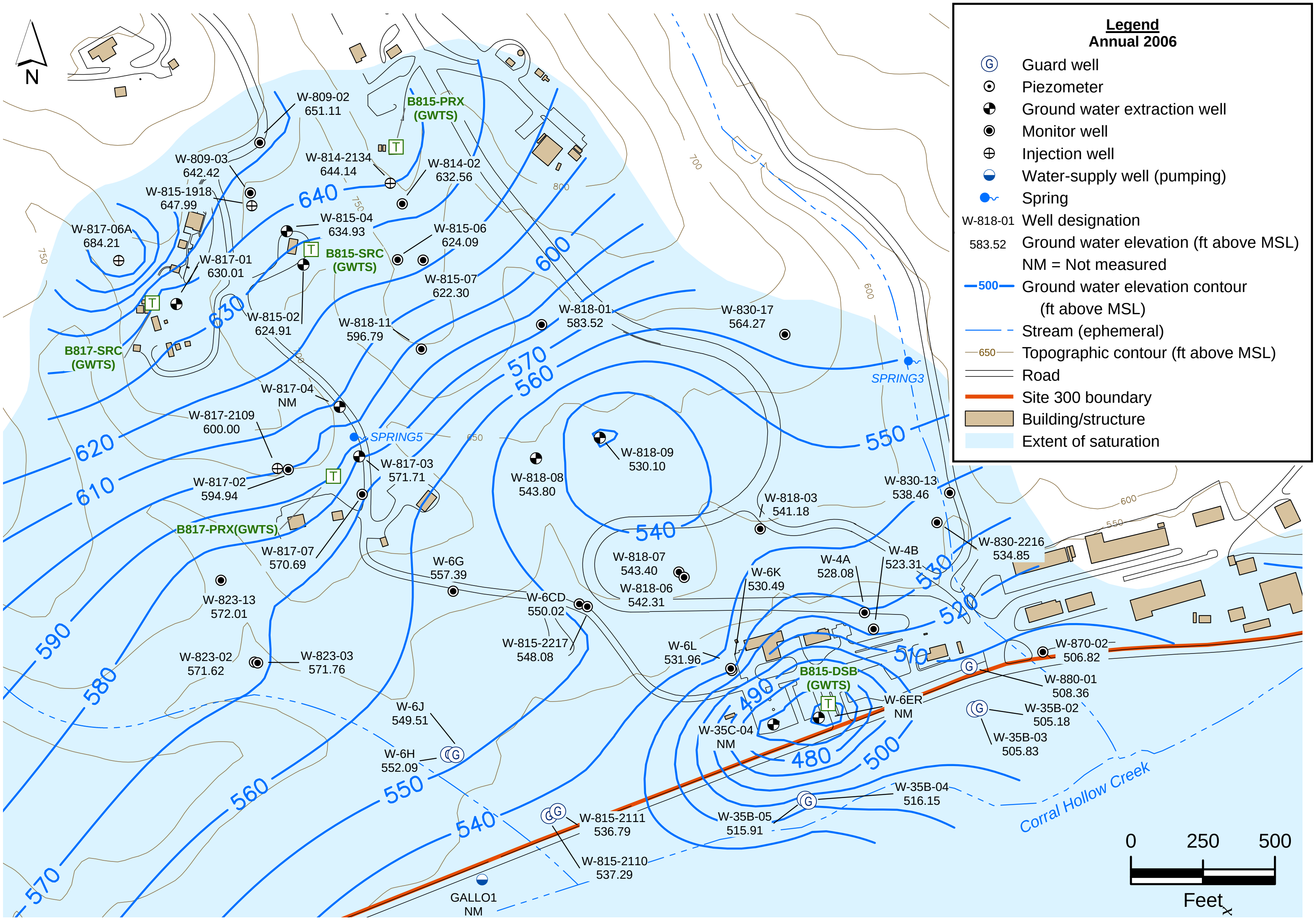

Figure 2.4-2. High Explosive Process Area OU ground water potentiometric surface map for the Tnbs$_2$ HSU.

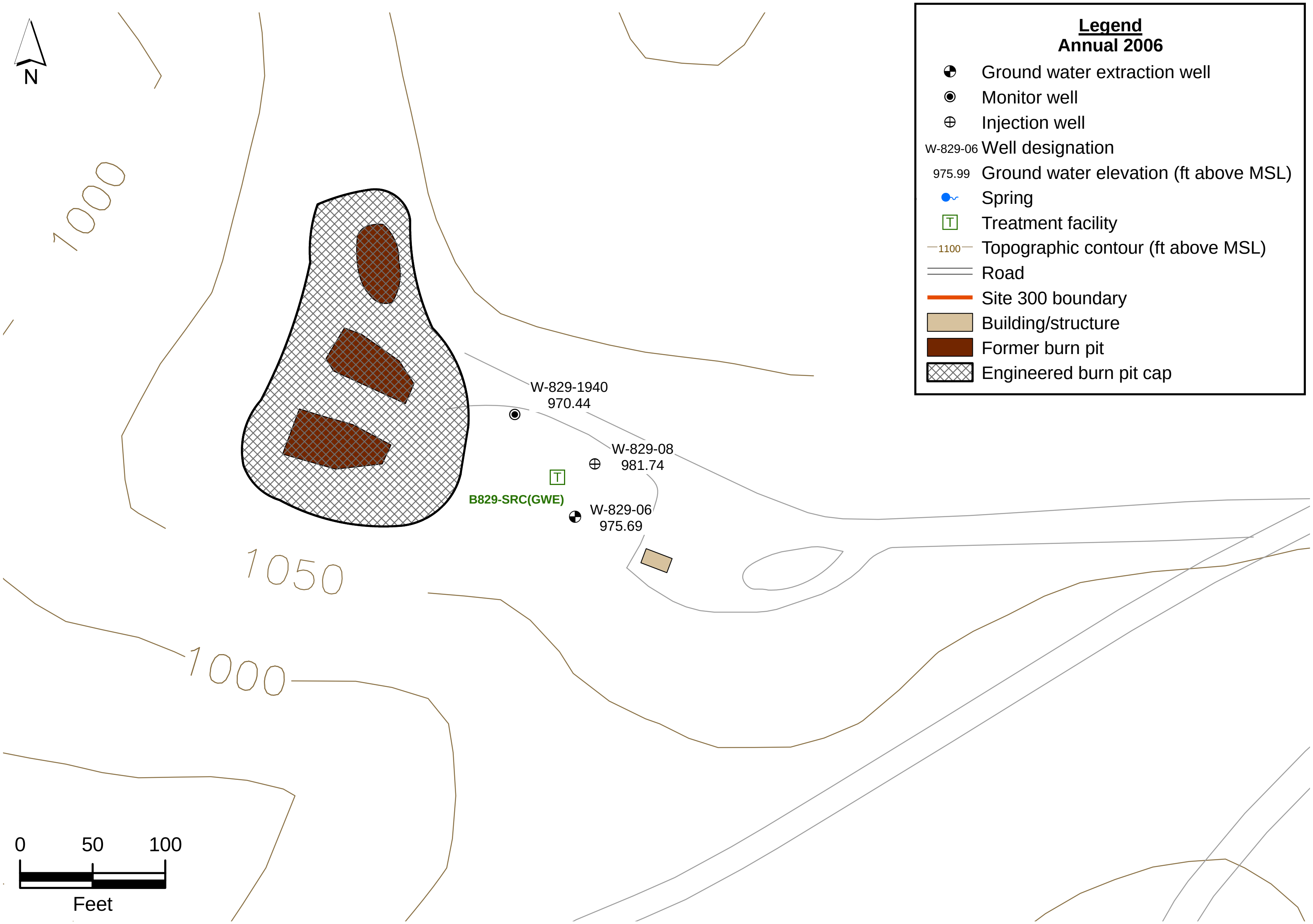

Figure 2.4-3. Building 829 burn pit map showing ground water elevations for the Tnsc$_{1b}$ HSU.

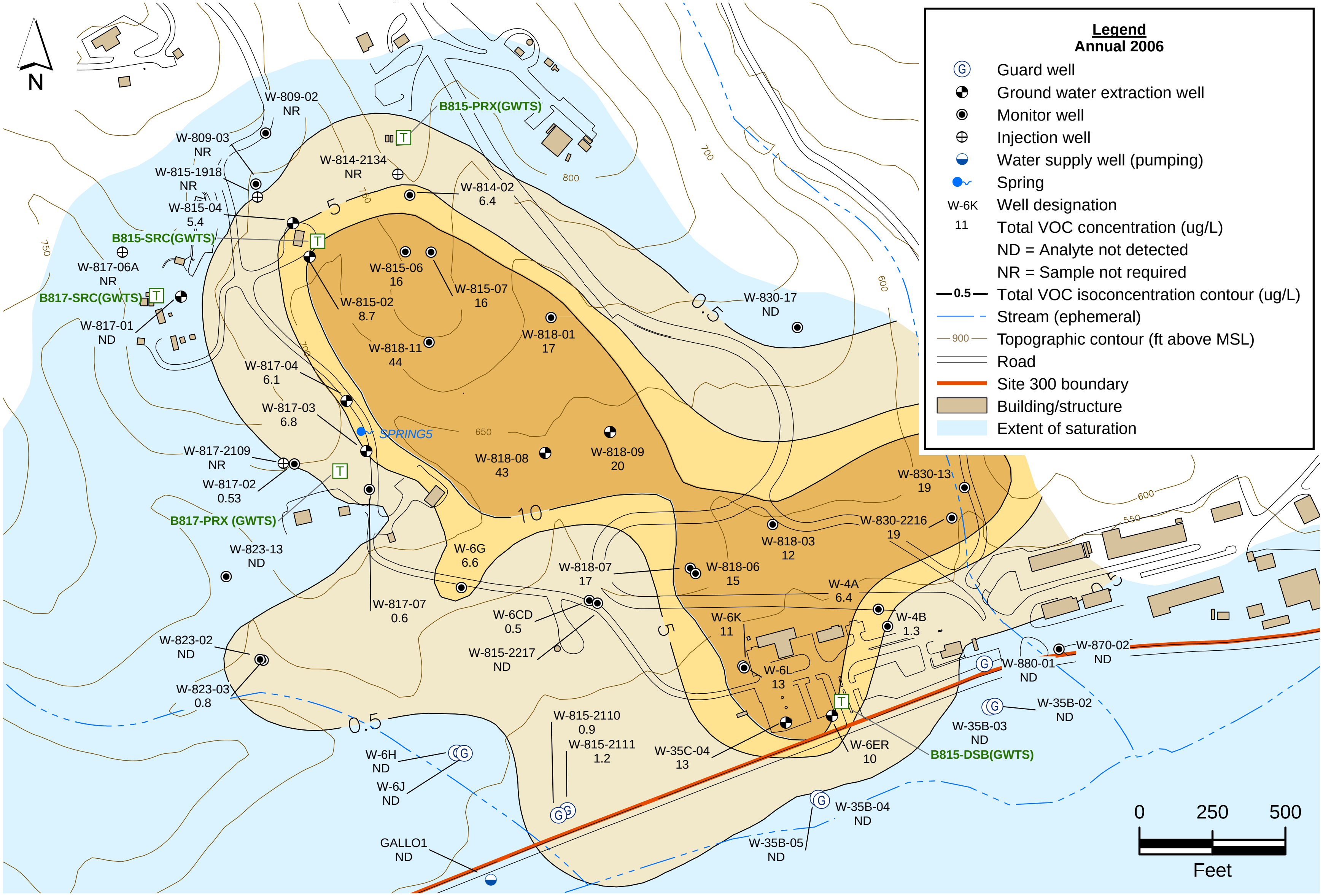

Figure 2.4-4. High Explosive Process Area total VOC isoconcentration contour map for the Tnbs$_2$ HSU.

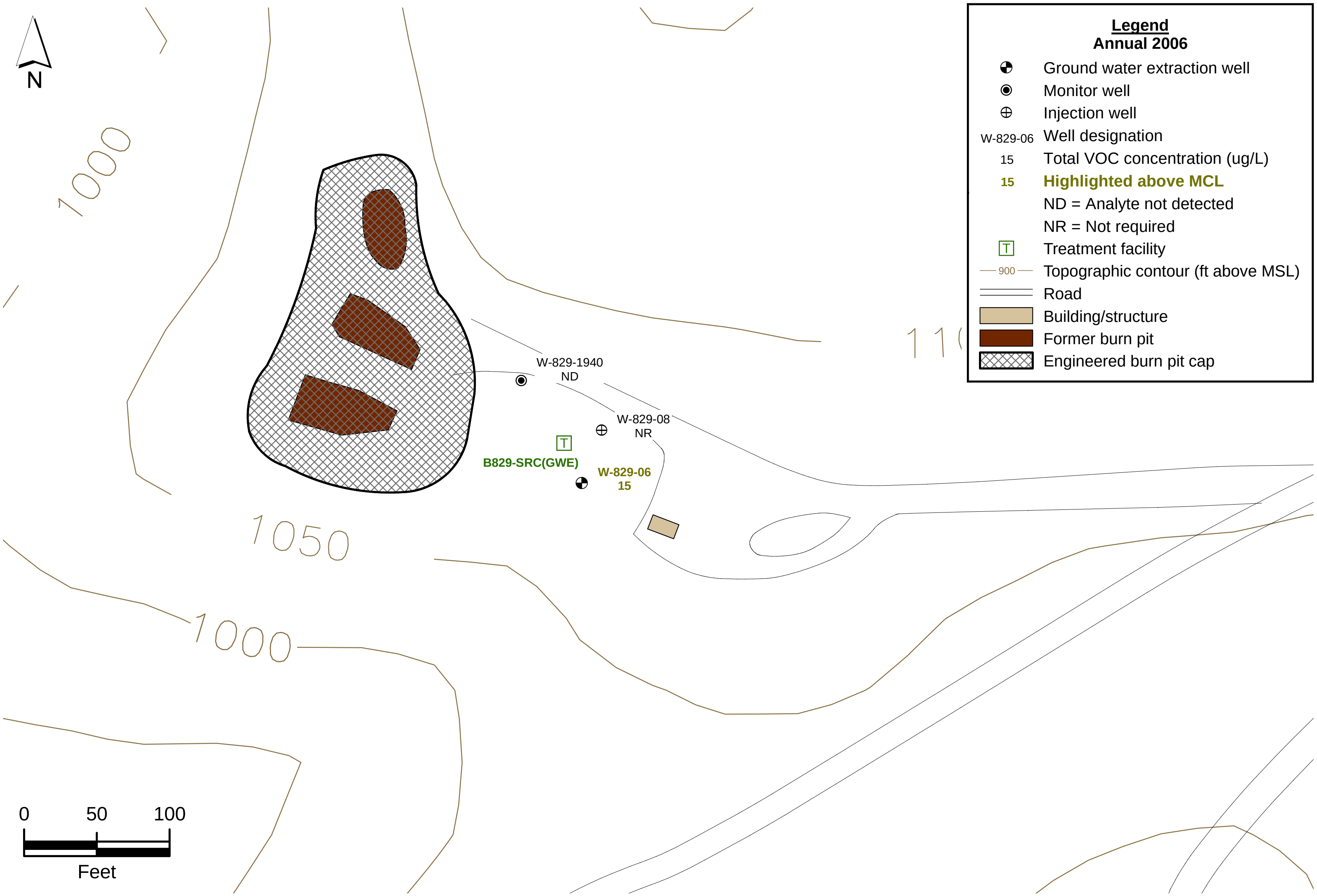

Figure 2.4-5. Building 829 burn pit map showing total VOC concentrations for the Tnsc$_{1b}$ HSU.

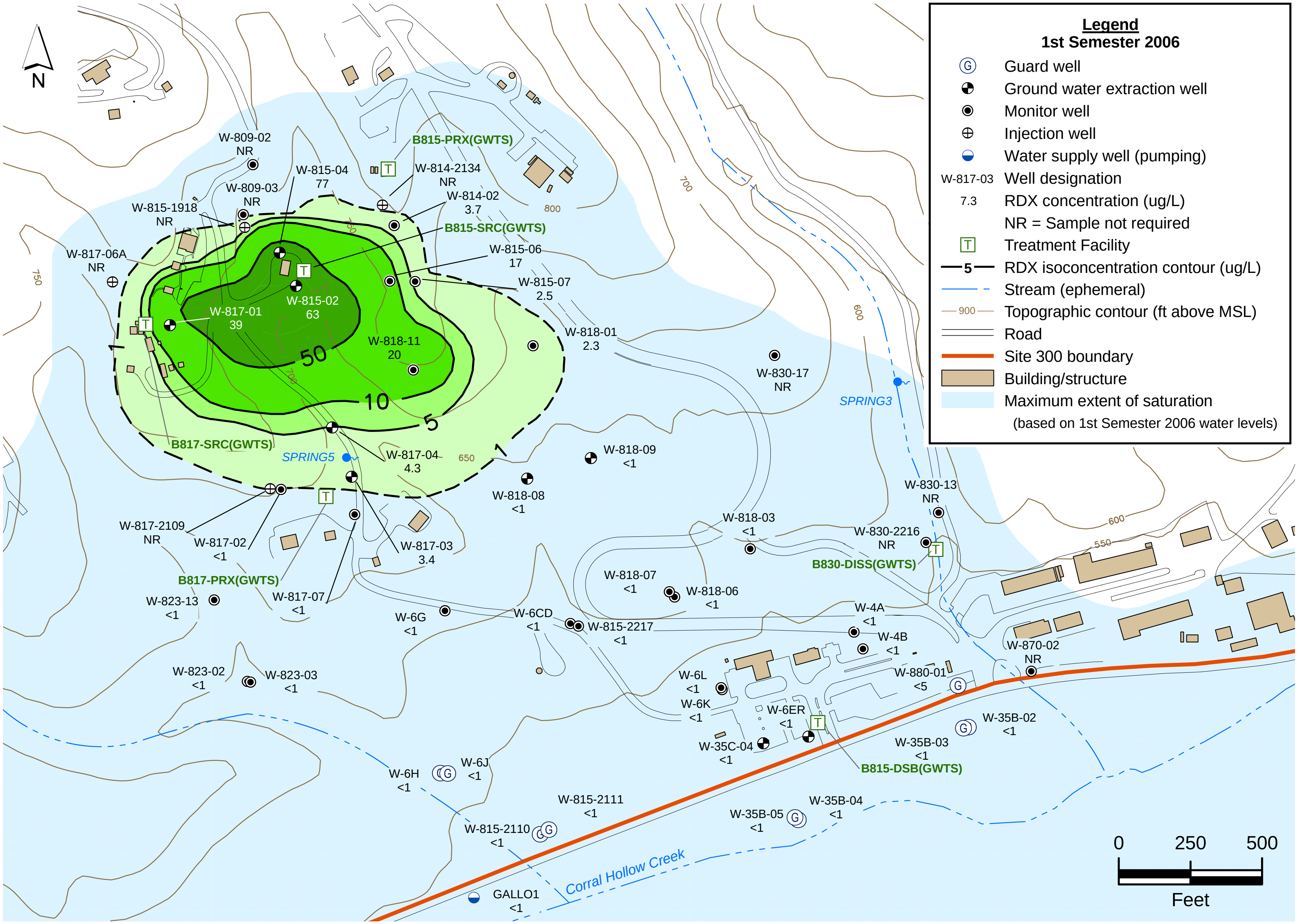

Figure 2.4-6. High Explosives Process Area RDX isoconcentration contour map for the Tnbs$_2$ HSU.

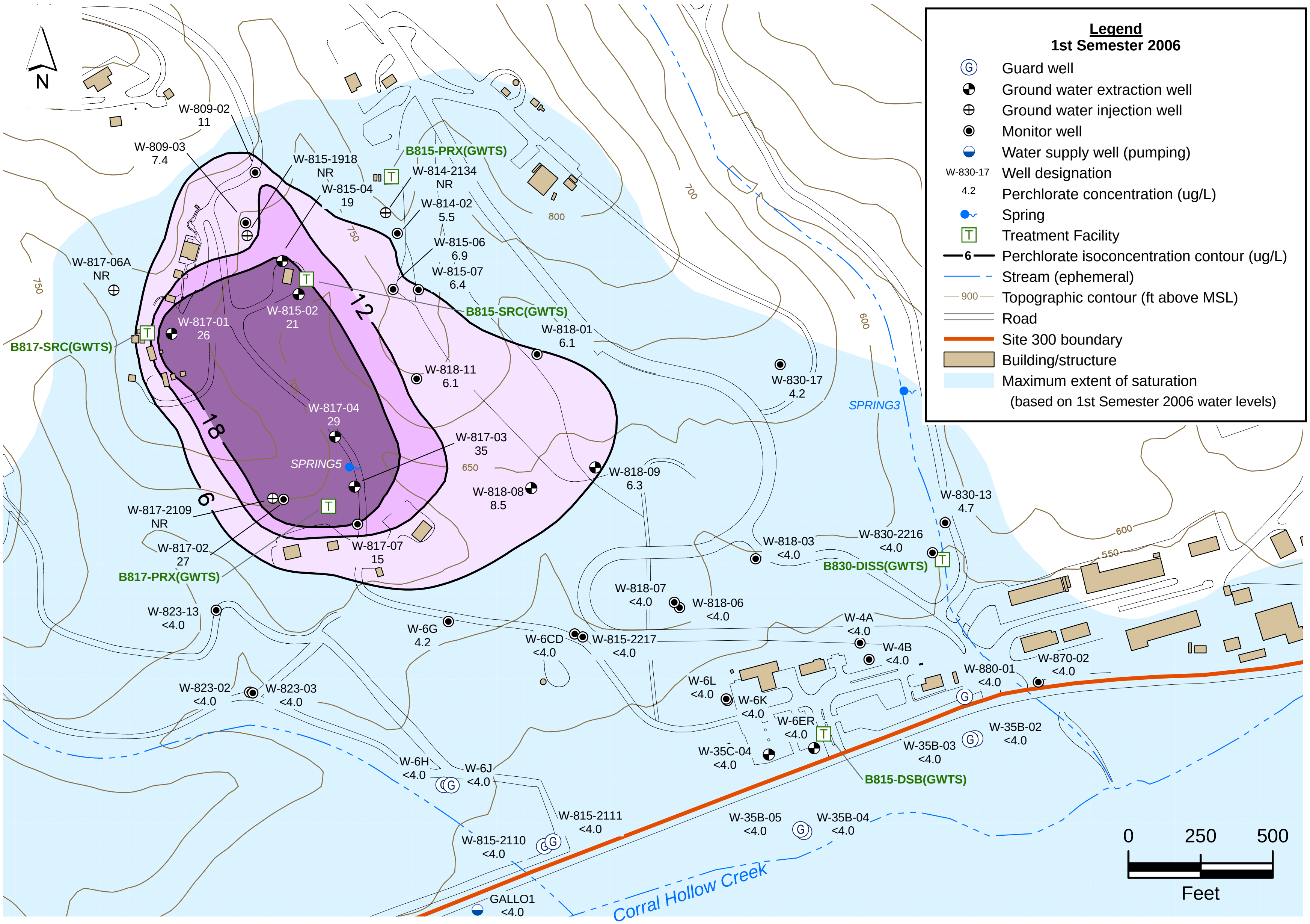

Figure 2.4-7. High Explosives Process Area perchlorate isoconcentration contour map for the Tnbs$_2$ HSU.

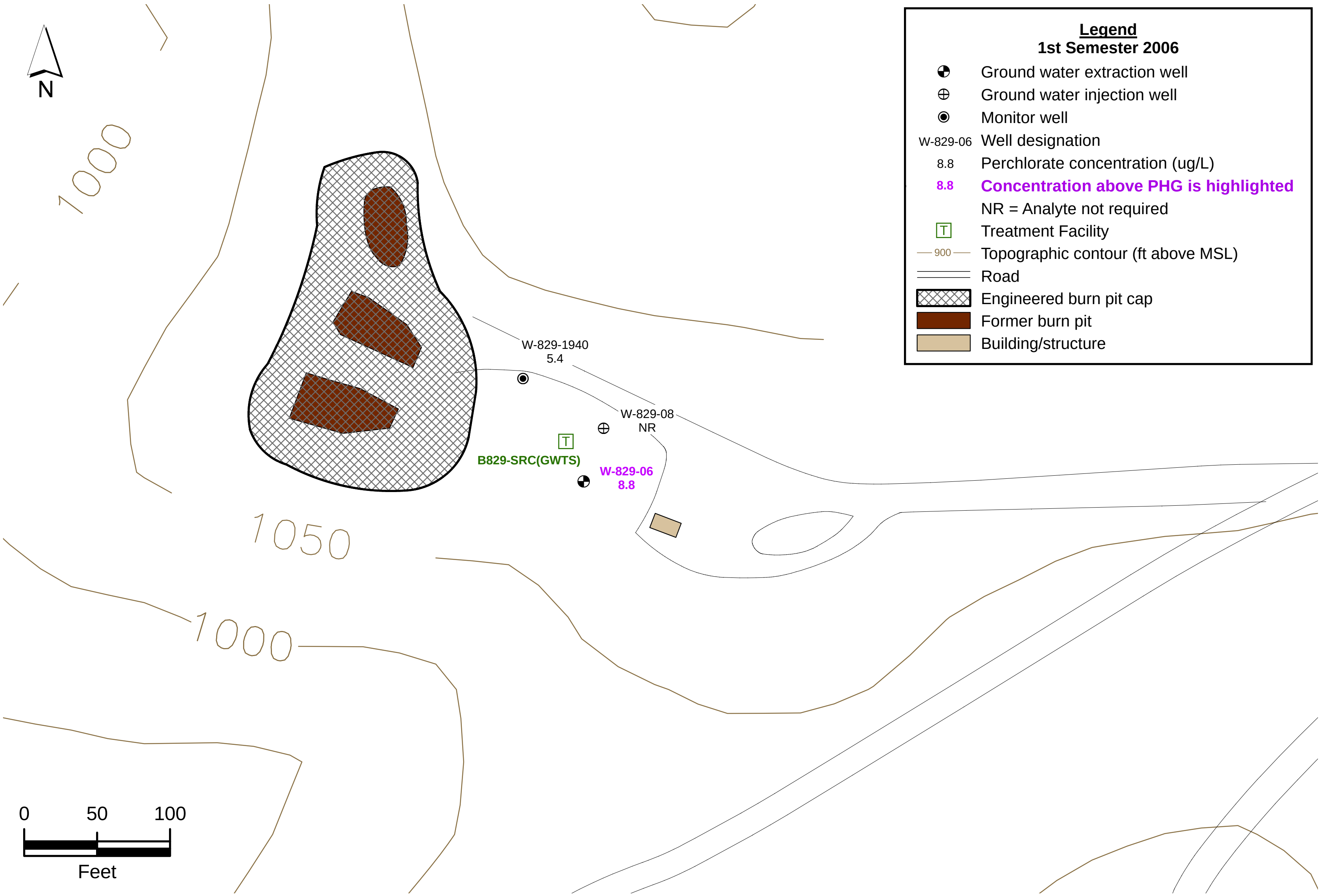

Figure 2.4-8. Building 829 burn pit map showing perchlorate concentrations for the $Tnsc_{1b}$ HSU.

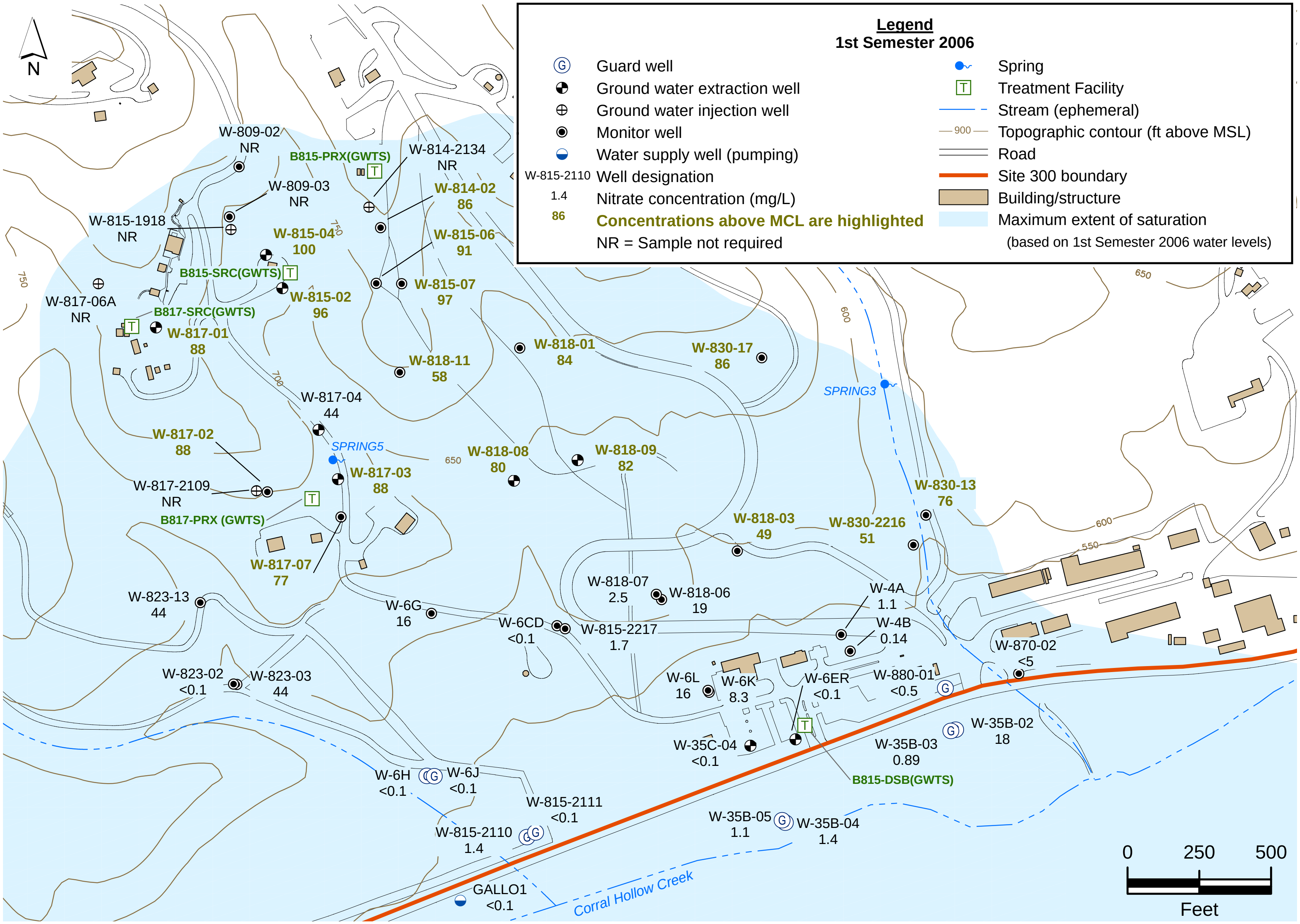

Figure 2.4-9. High Explosives Process Area map showing nitrate concentrations for the Tnbs$_2$ HSU.

Figure 2.4-10. Building 829 burn pit map showing nitrate concentrations for the Tnsc$_{1b}$ HSU.

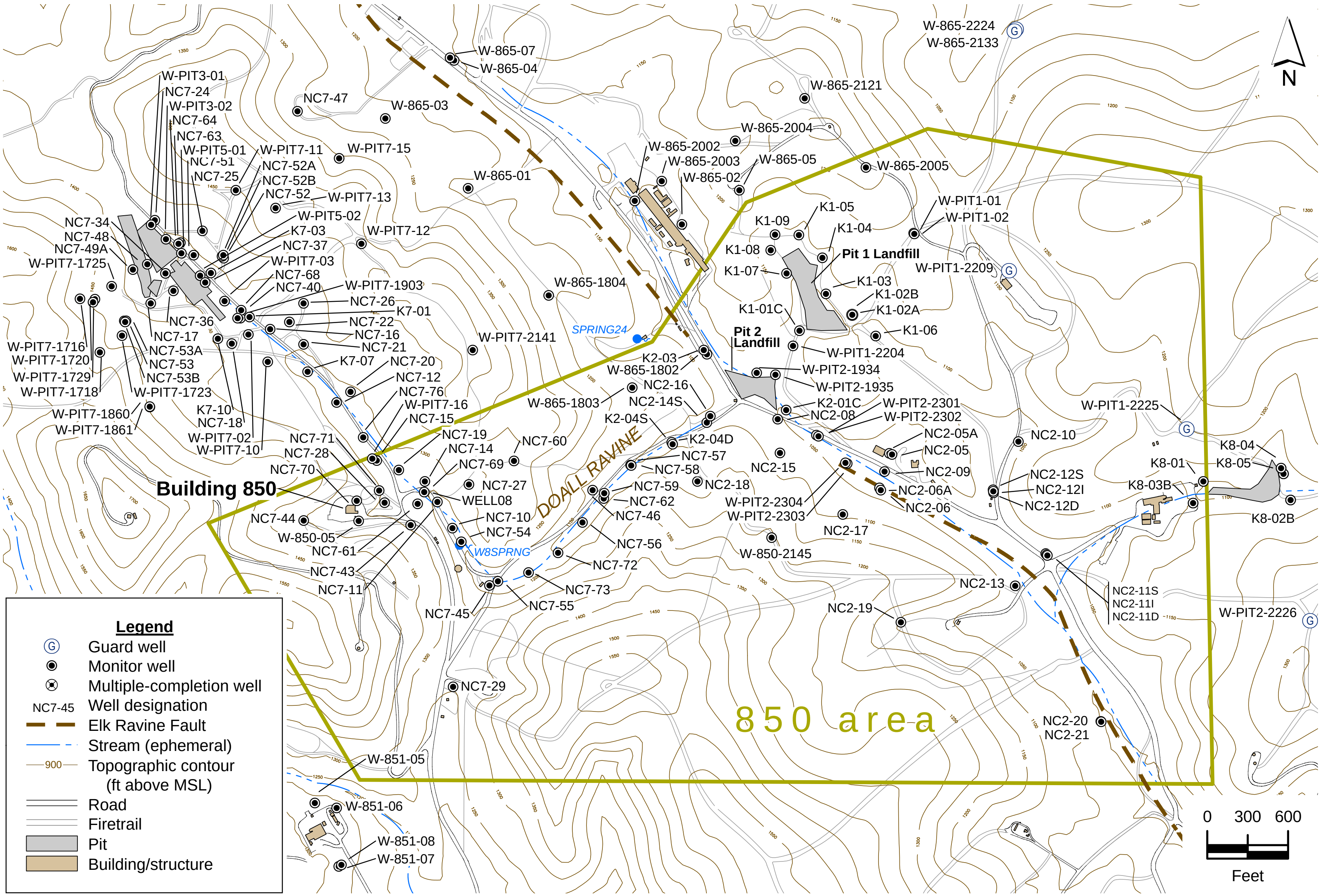

Figure 2.5-1. Building 850 area site map showing monitor wells and springs.

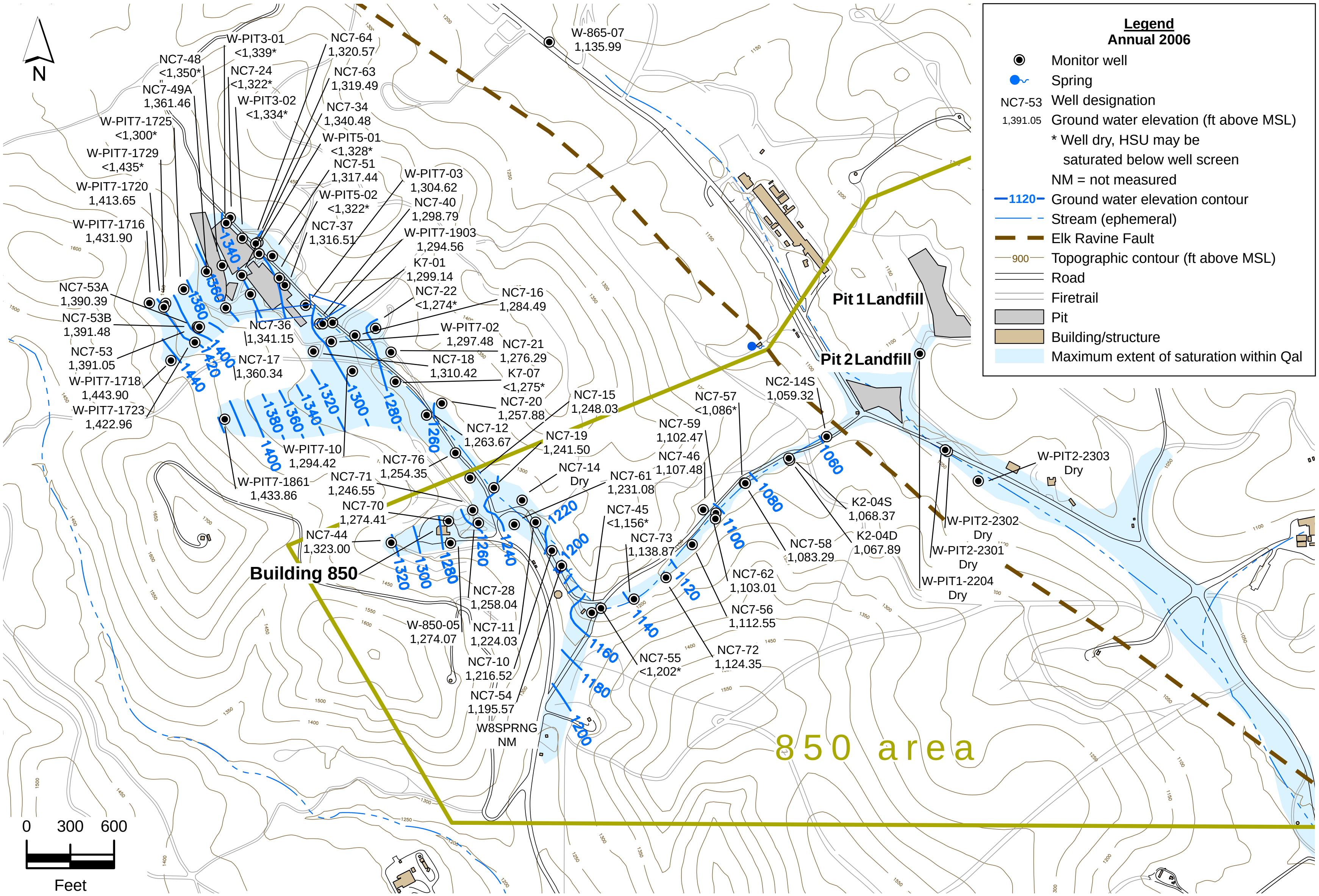

Figure 2.5-2. Building 850 area ground water potentiometric surface map for the Qal/WBR HSU.

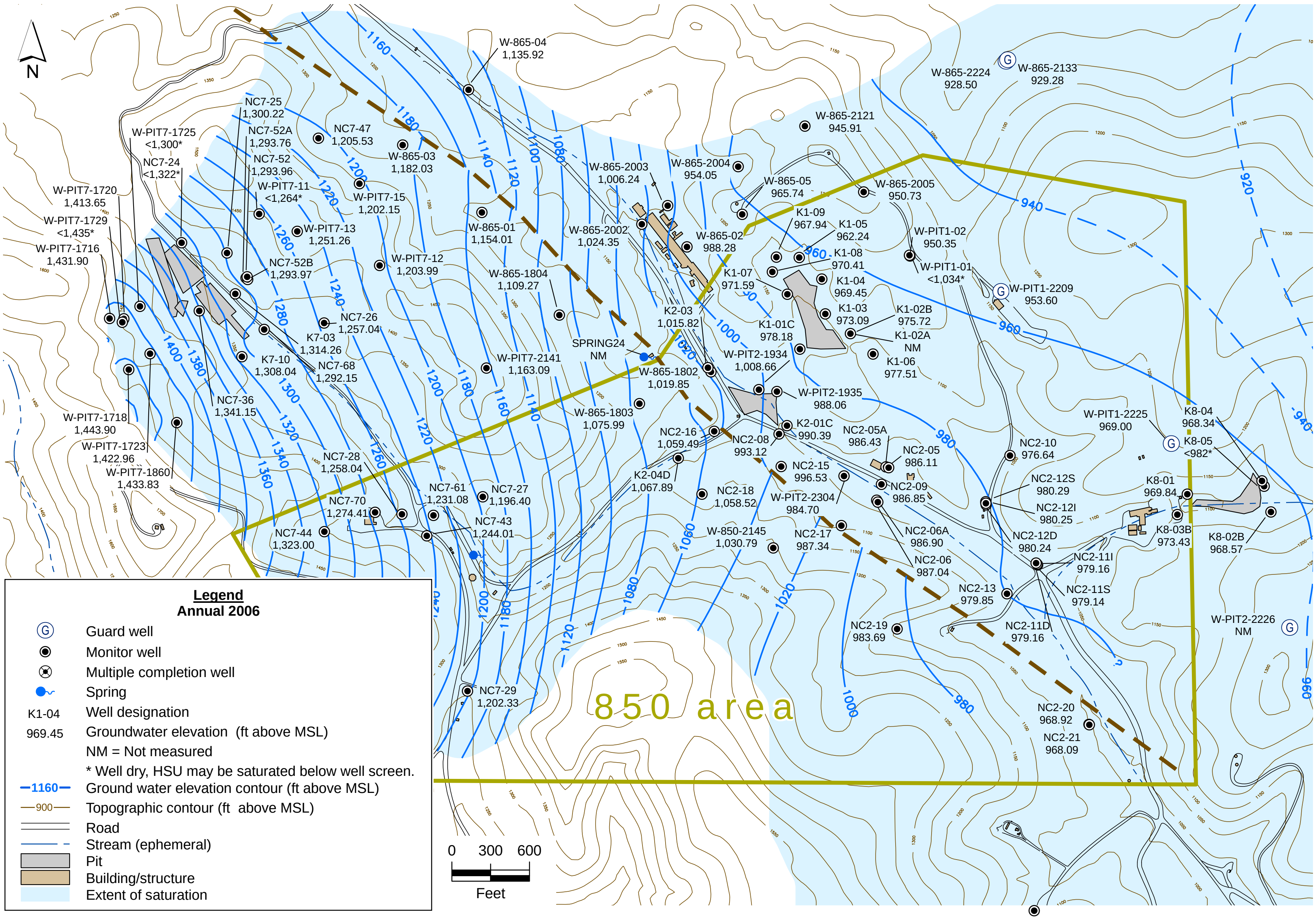

Figure 2.5-3. Building 850 OU ground water potentiometric surface map for the $Tnbs_1/Tnbs_0$ HSU.

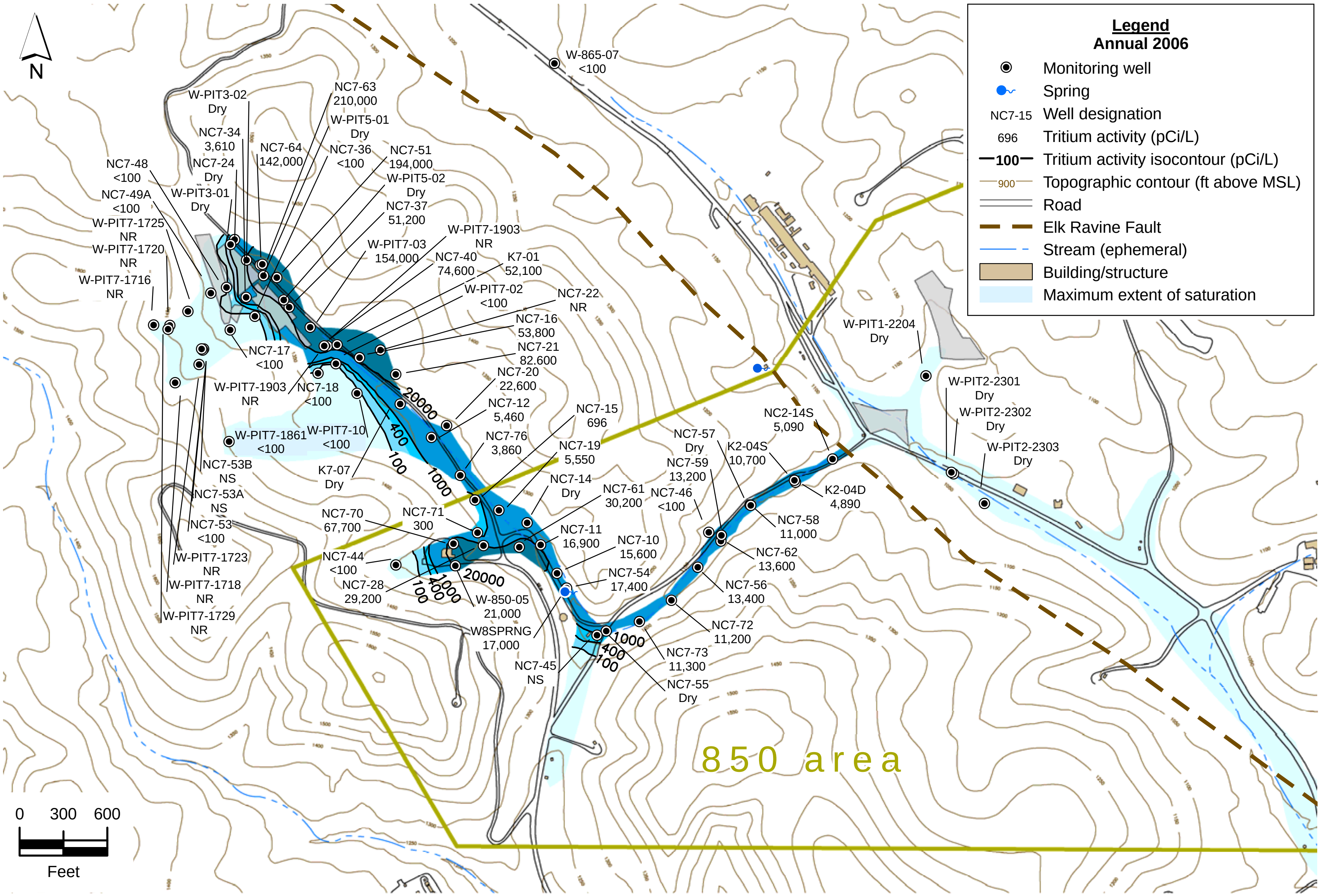

Figure 2.5-4. Building 850 area tritium activity isocontour map for the Qal/WBR HSU.

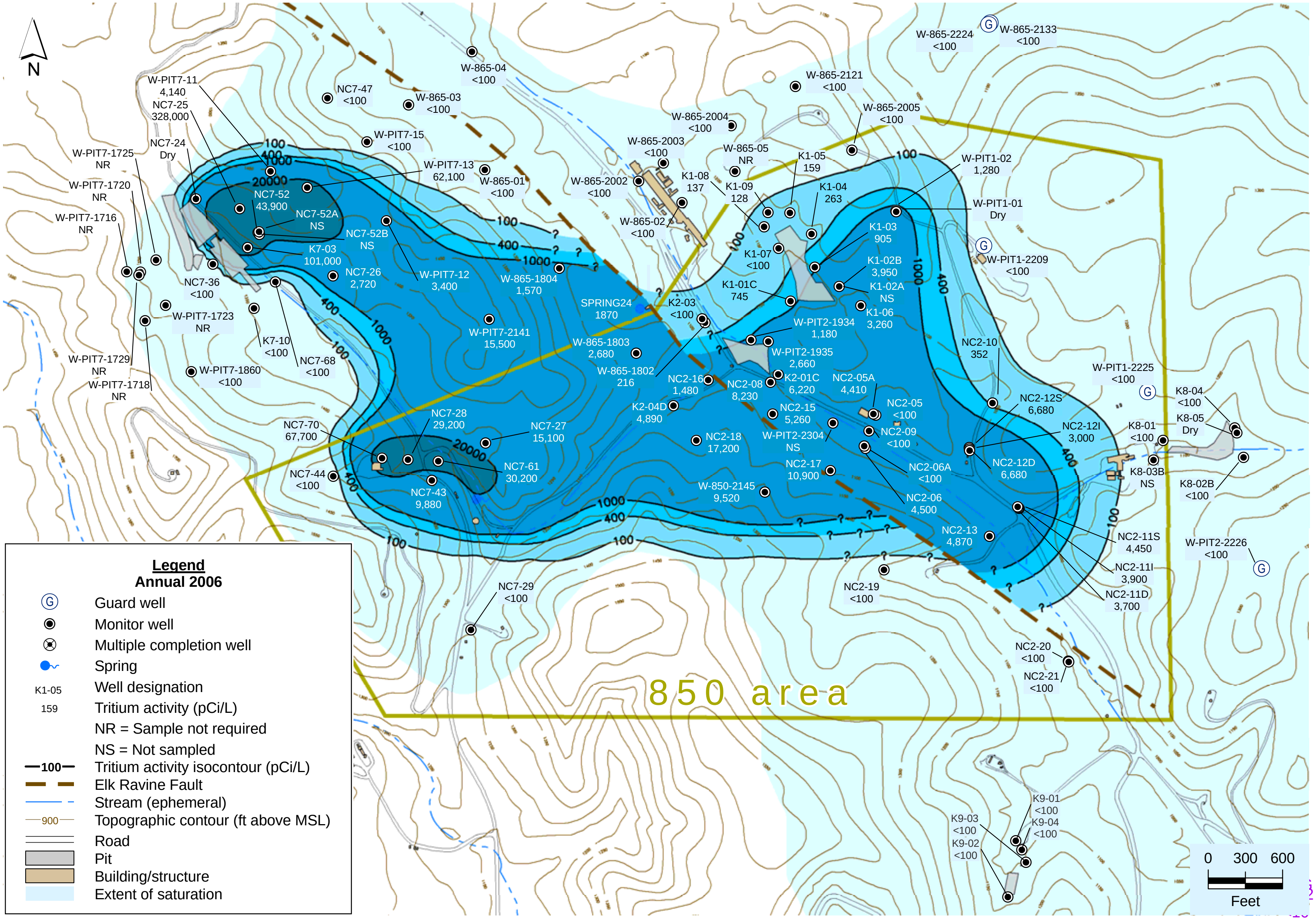

Figure 2.5-5. Building 850 area tritium activity isocontour map for the $Tnbs_1/Tnbs_0$ HSU.

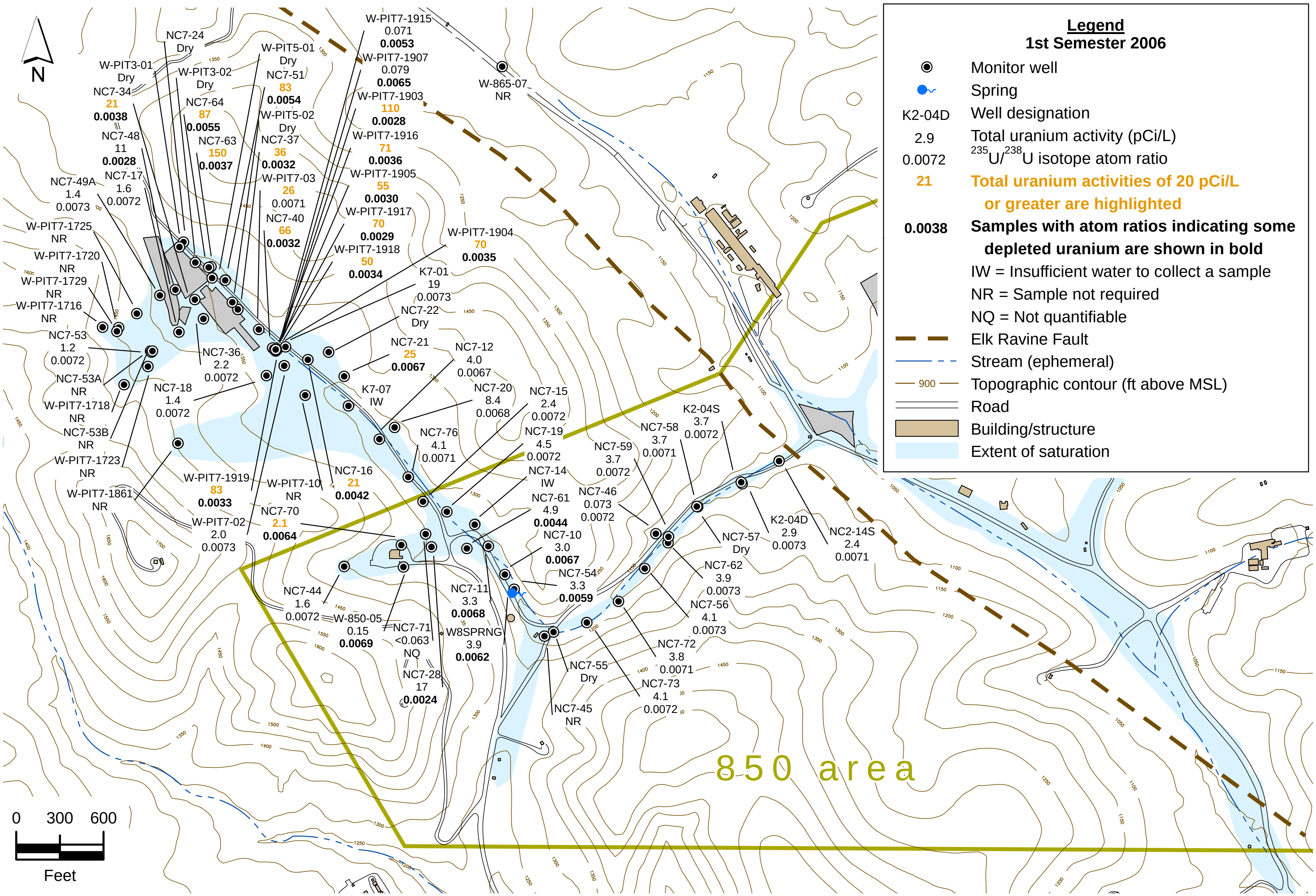

Figure 2.5-6. Building 850 OU map showing ground water uranium activities and $^{235}U/^{238}U$ isotope atom ratios for the Qal/WBR HSU.

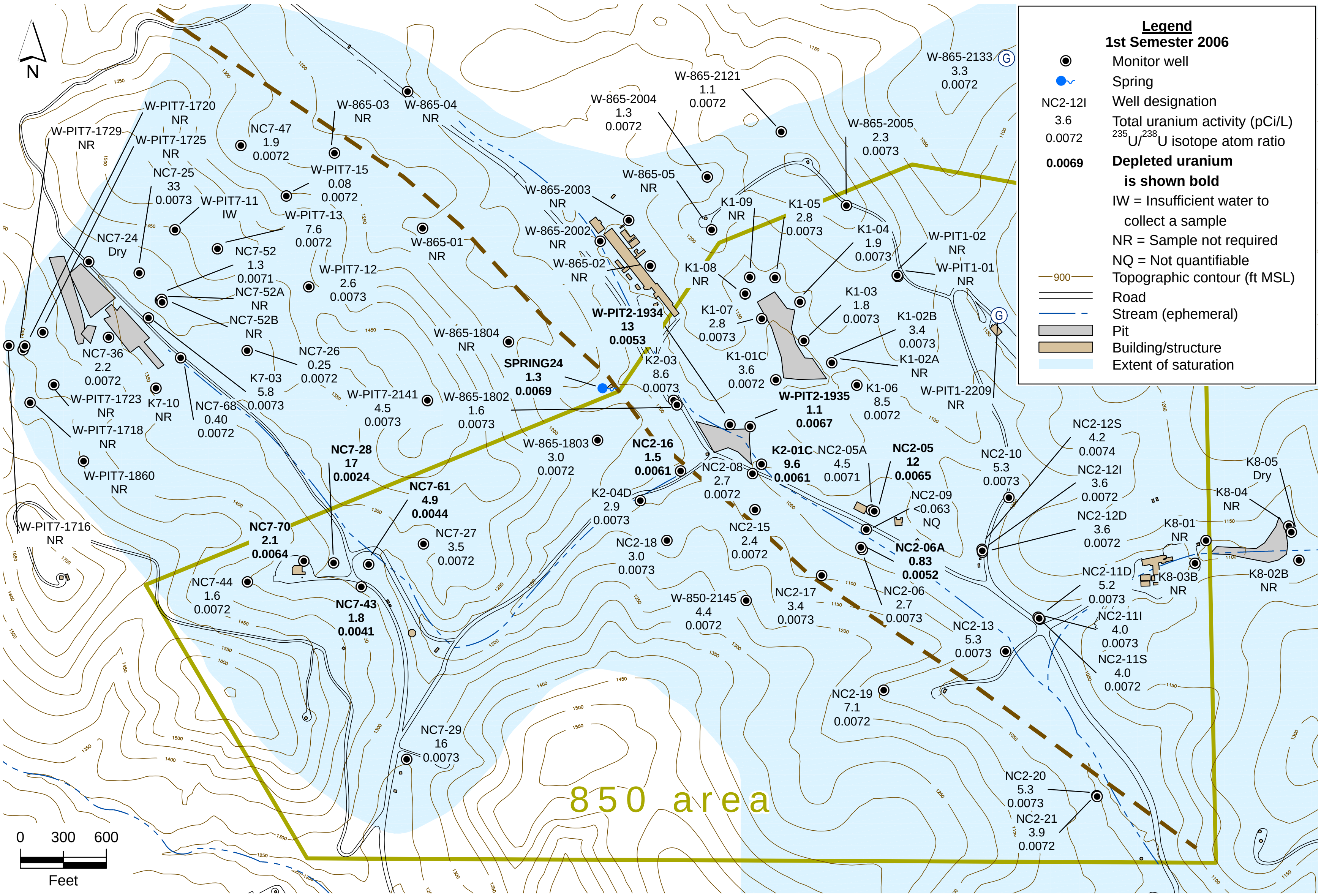

Figure 2.5-7. Building 850 OU map showing ground water uranium activities and $^{235}U/^{238}U$ isotope atom ratios for the $Tnbs_1/Tnbs_0$ HSU.

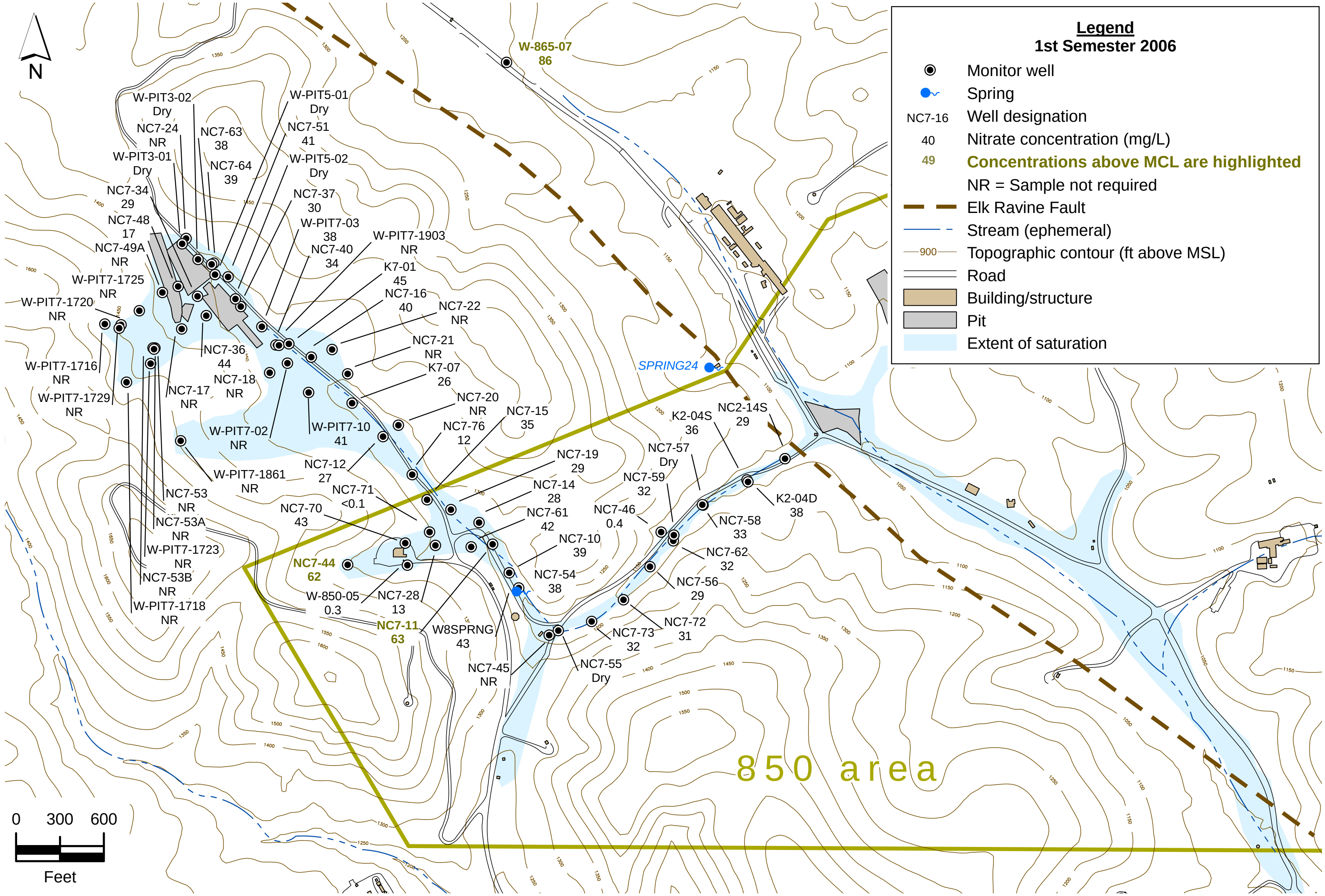

Figure 2.5-8. Building 850 OU map showing nitrate concentrations for the Qal/WBR HSU.

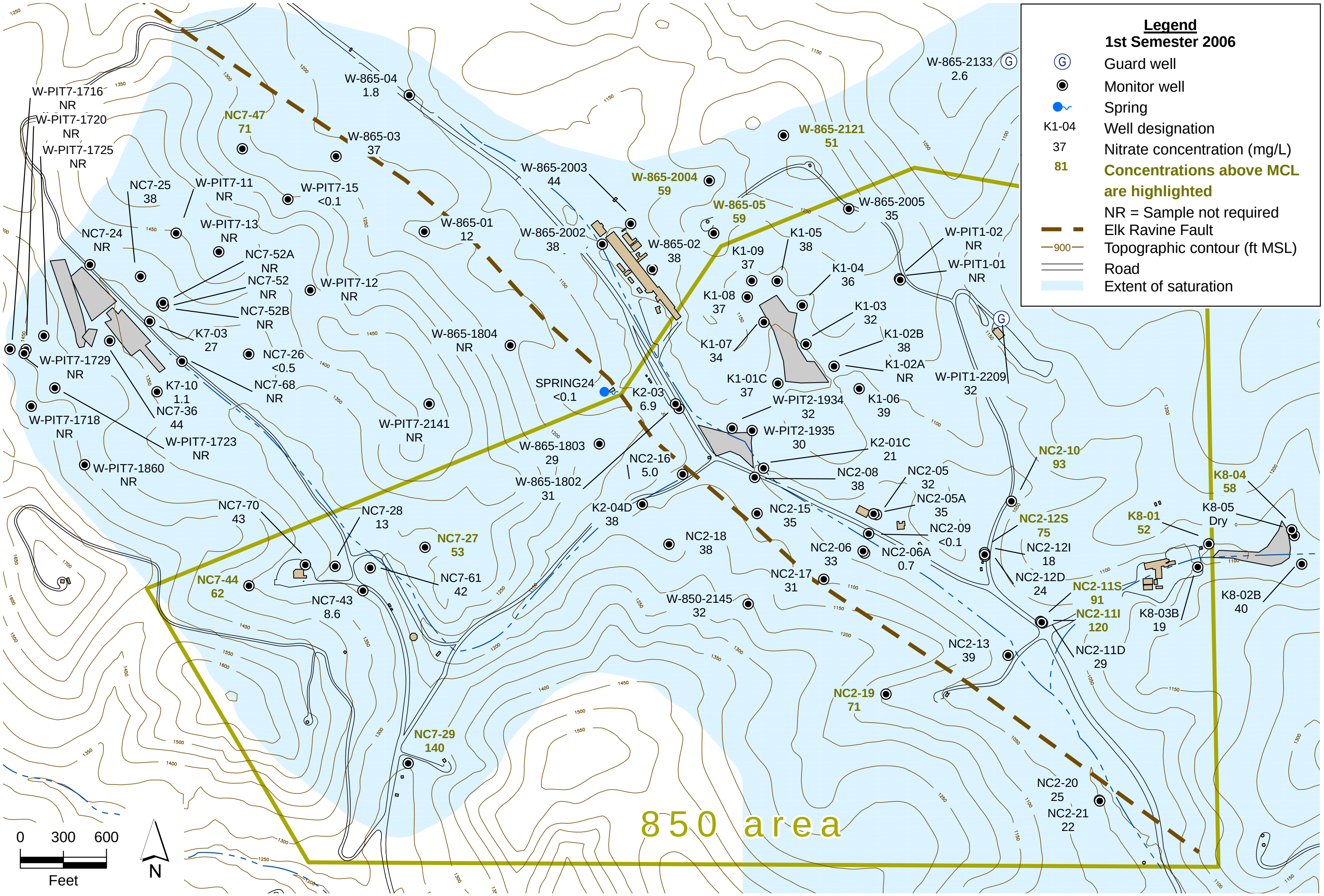

Figure 2.5-9. Building 850 OU map showing nitrate concentrations for the $Tnbs_1/Tnbs_0$ HSU.

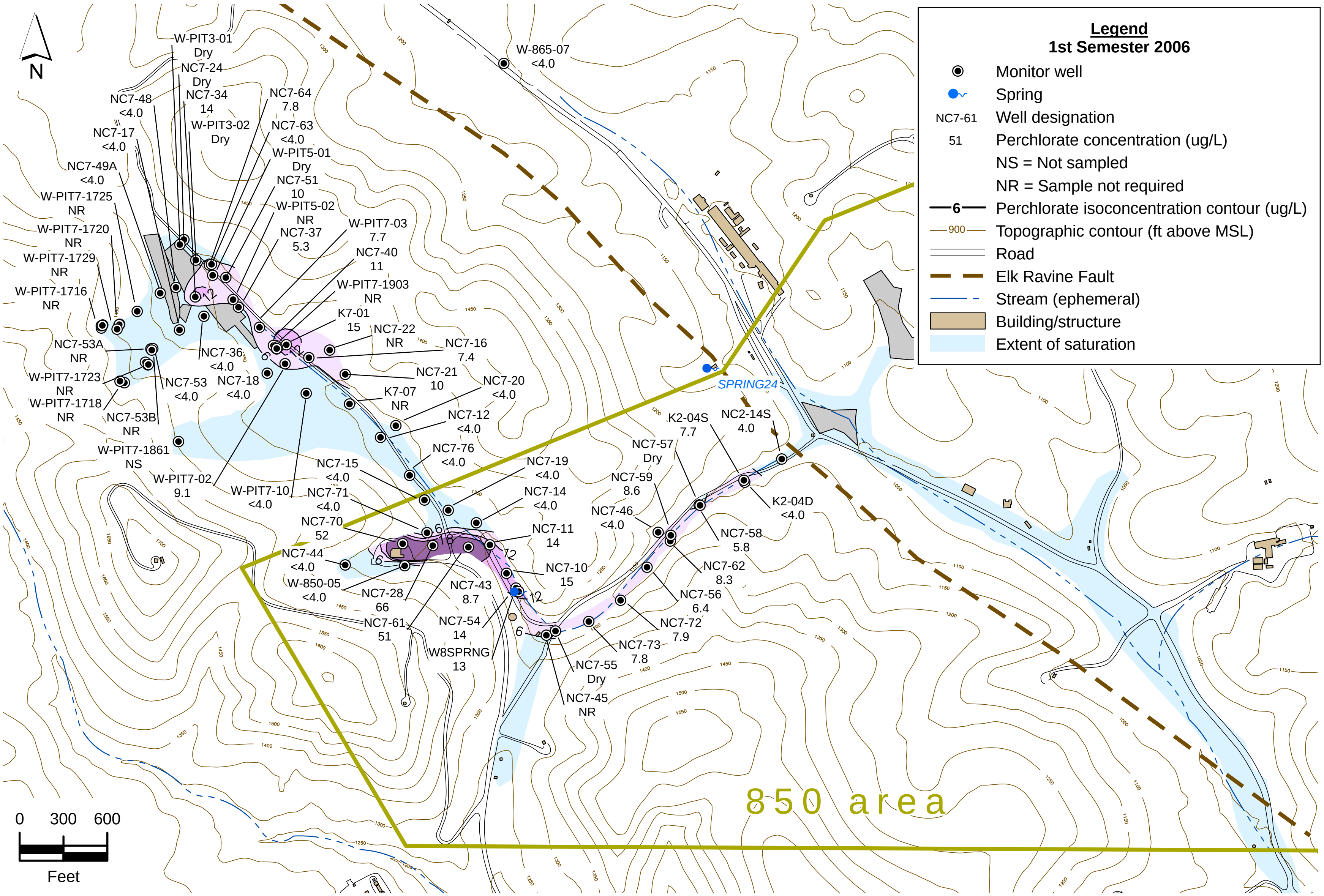

Figure 2.5-10. Building 850 OU perchlorate isoconcentration contour map for the Qal/WBR HSU.

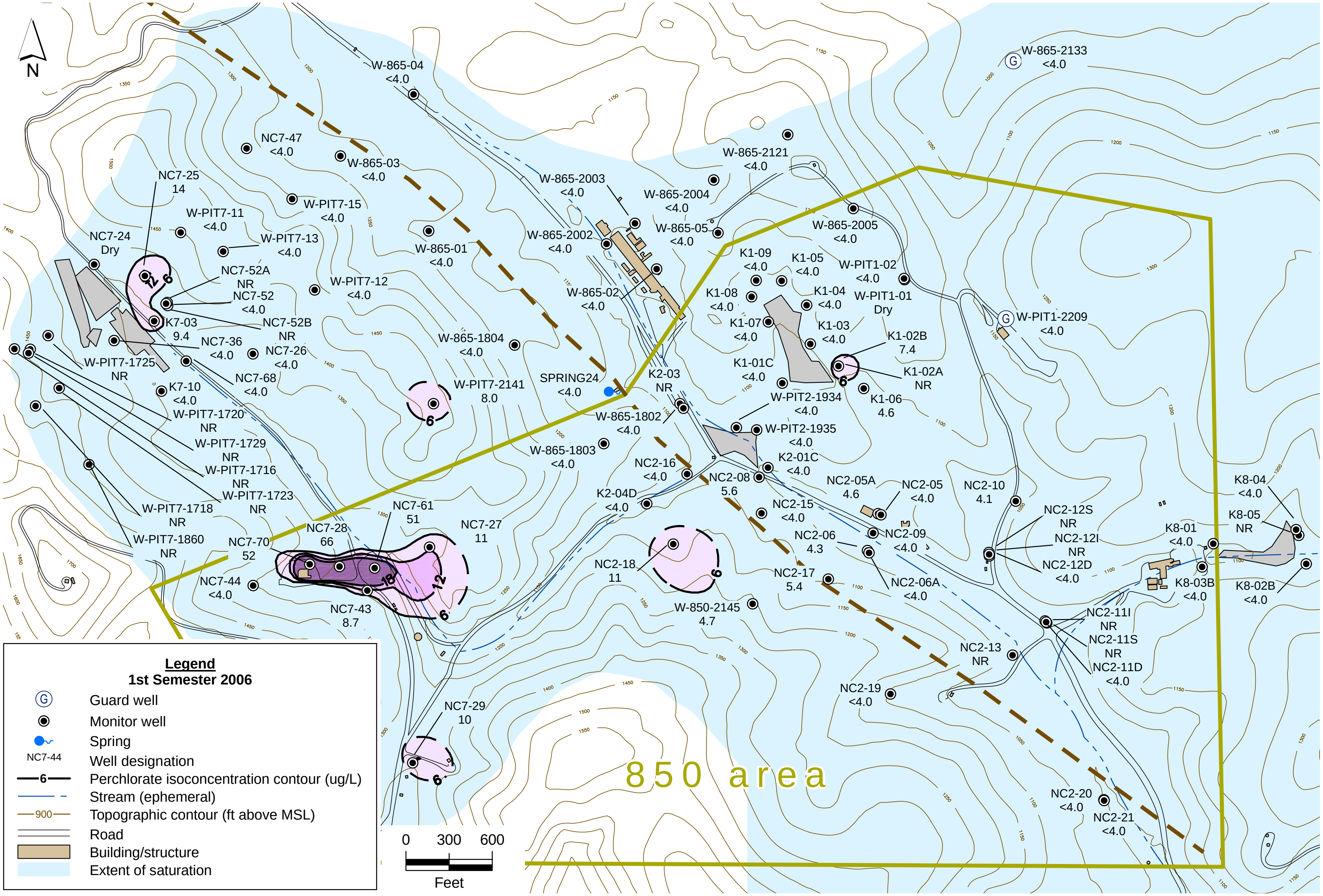

Figure 2.5-11. Building 850 OU perchlorate isoconcentration contour map for the $Tnbs_1/Tnbs_0$ HSU.

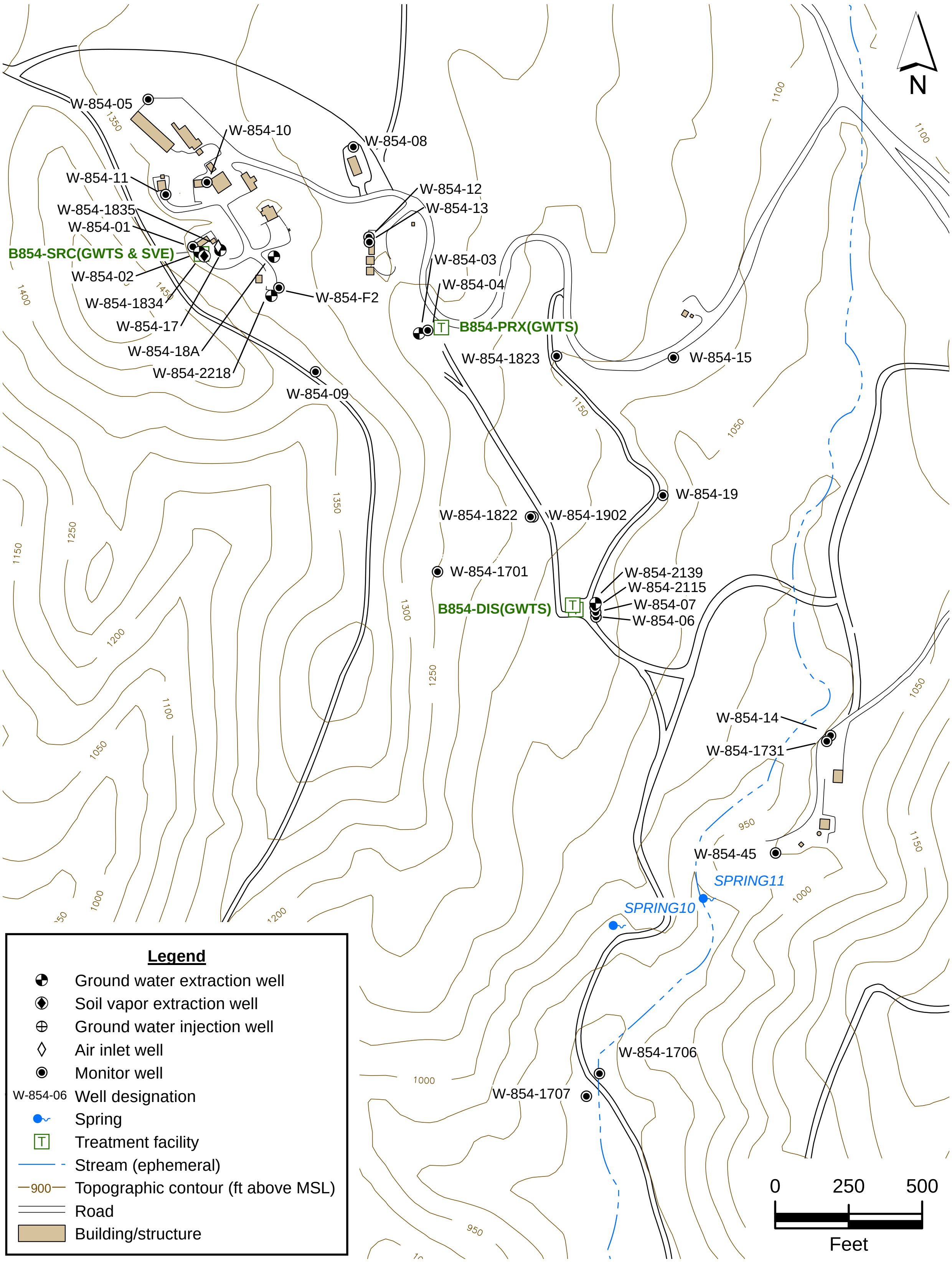

Figure 2.6-1. Building 854 OU site map showing monitor and extraction wells, and treatment facilities.

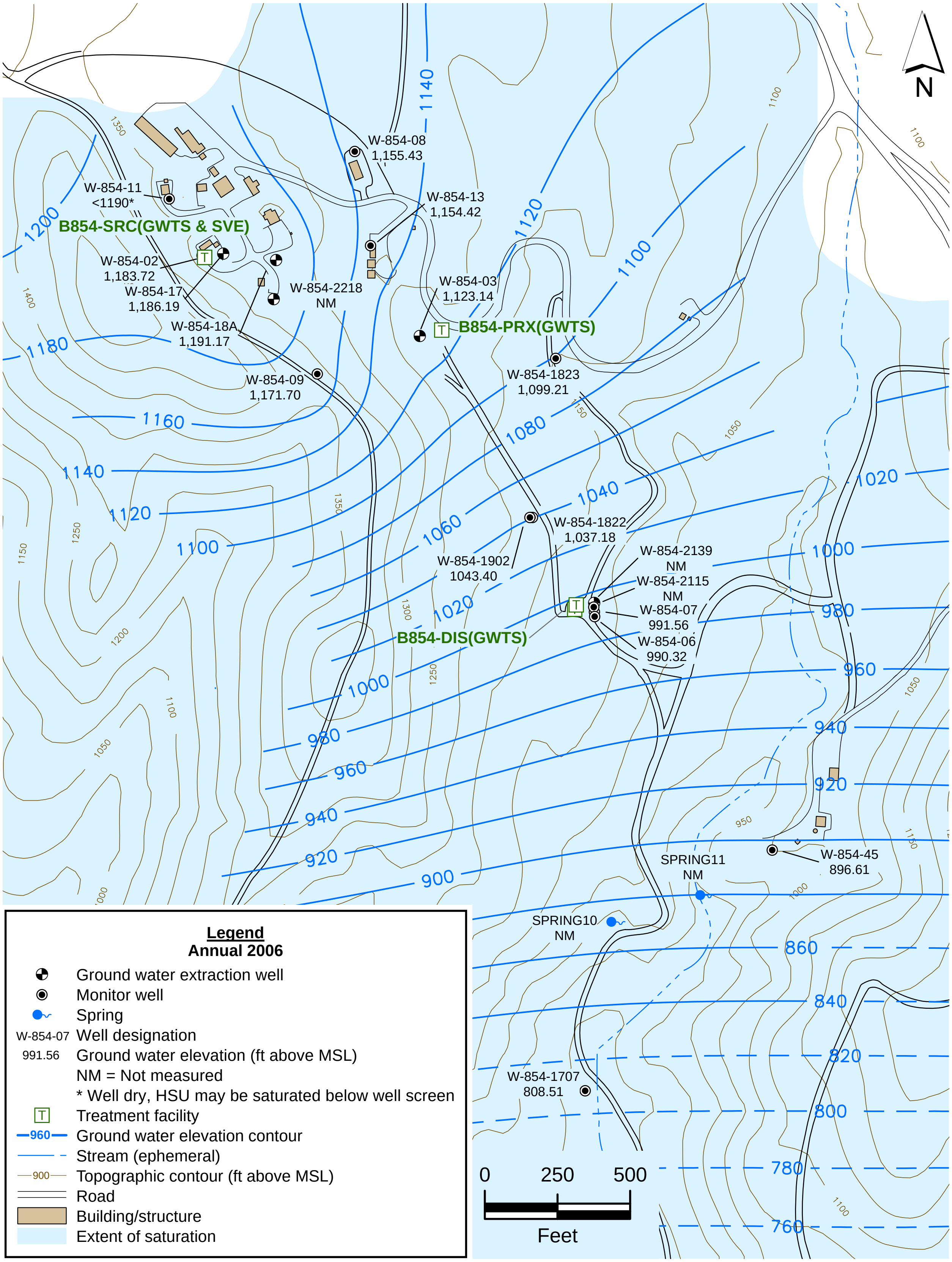

Figure 2.6-2. Building 854 OU ground water potentiometric surface map for the Tnbs$_1$/Tnsc$_0$ HSU.

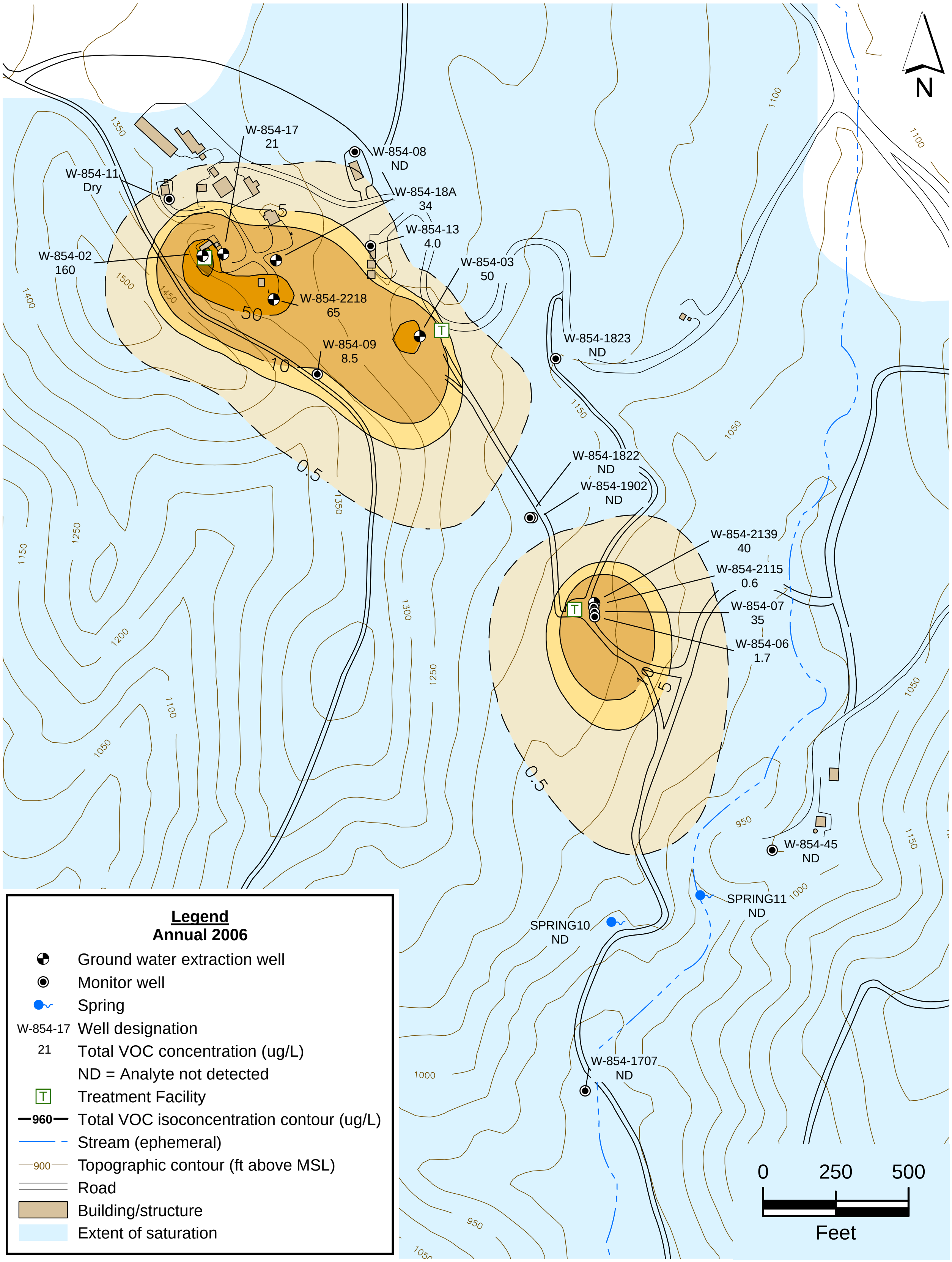

Figure 2.6-3. Building 854 OU total VOC isoconcentration contour map for the Tnbs$_1$/Tnsc$_0$ HSU.

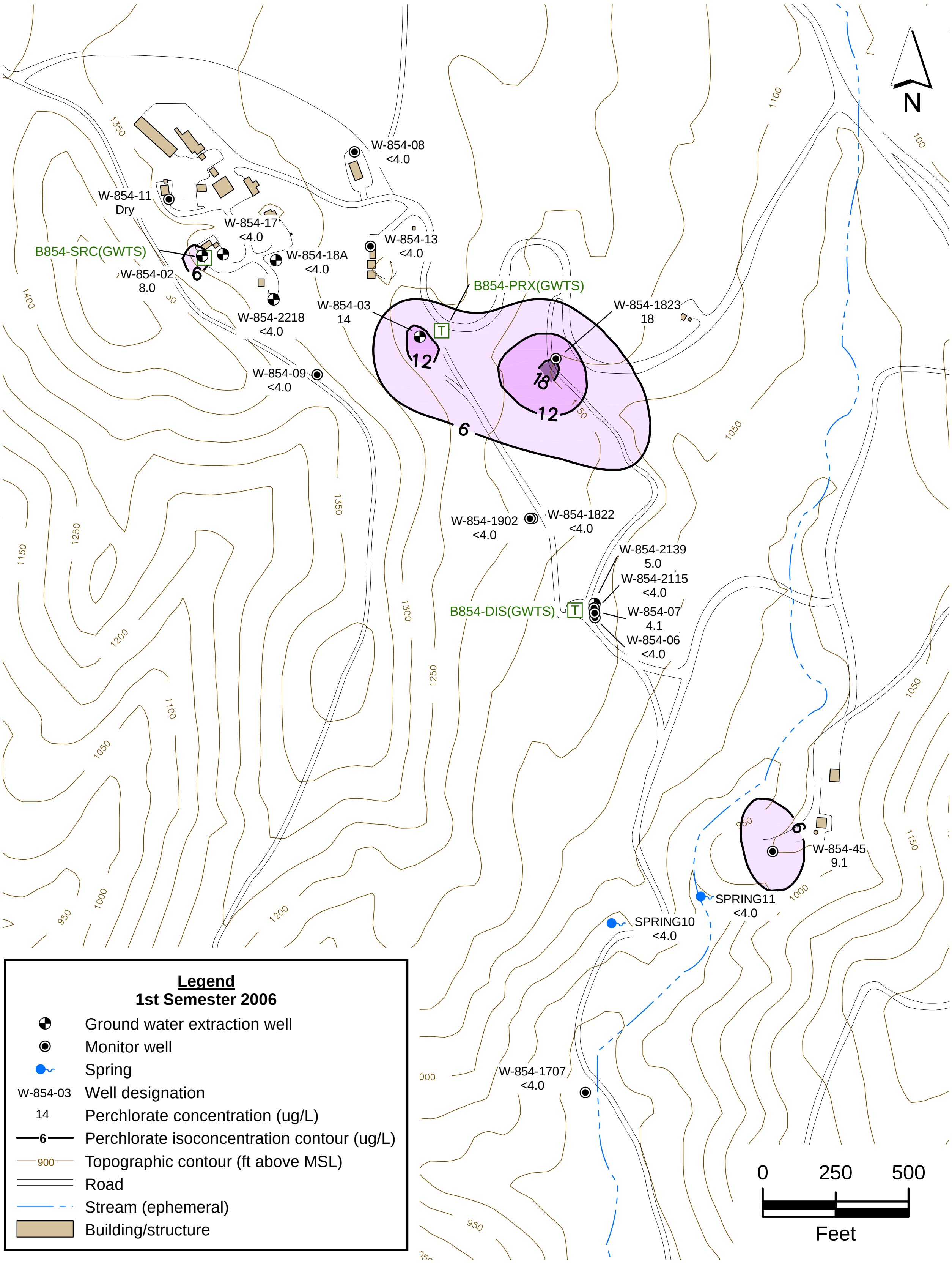

Figure 2.6-4. Building 854 OU perchlorate isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU.

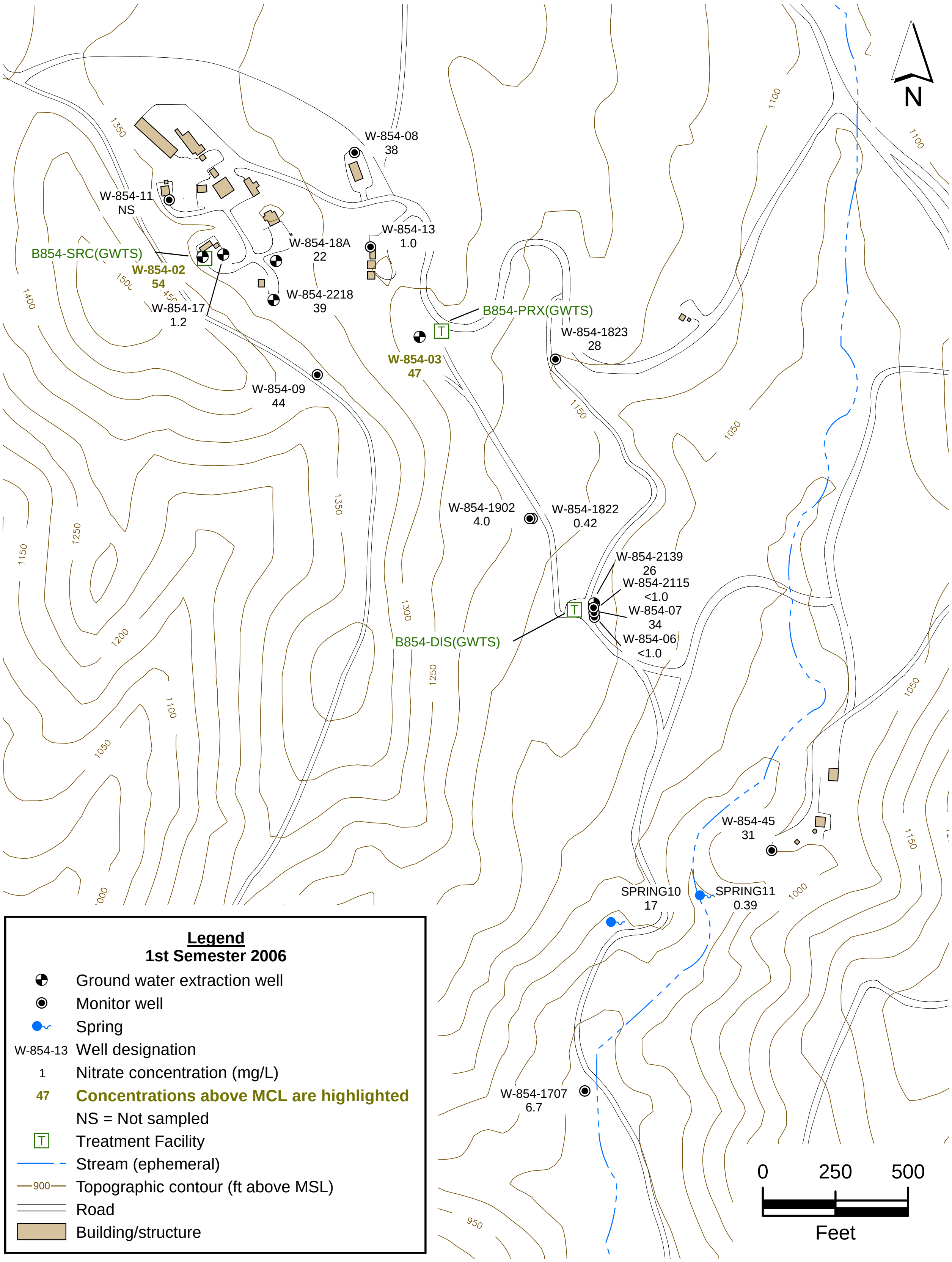

Figure 2.6-5. Building 854 OU map showing nitrate concentrations for the Tnbs$_1$/Tnsc$_0$ HSU.

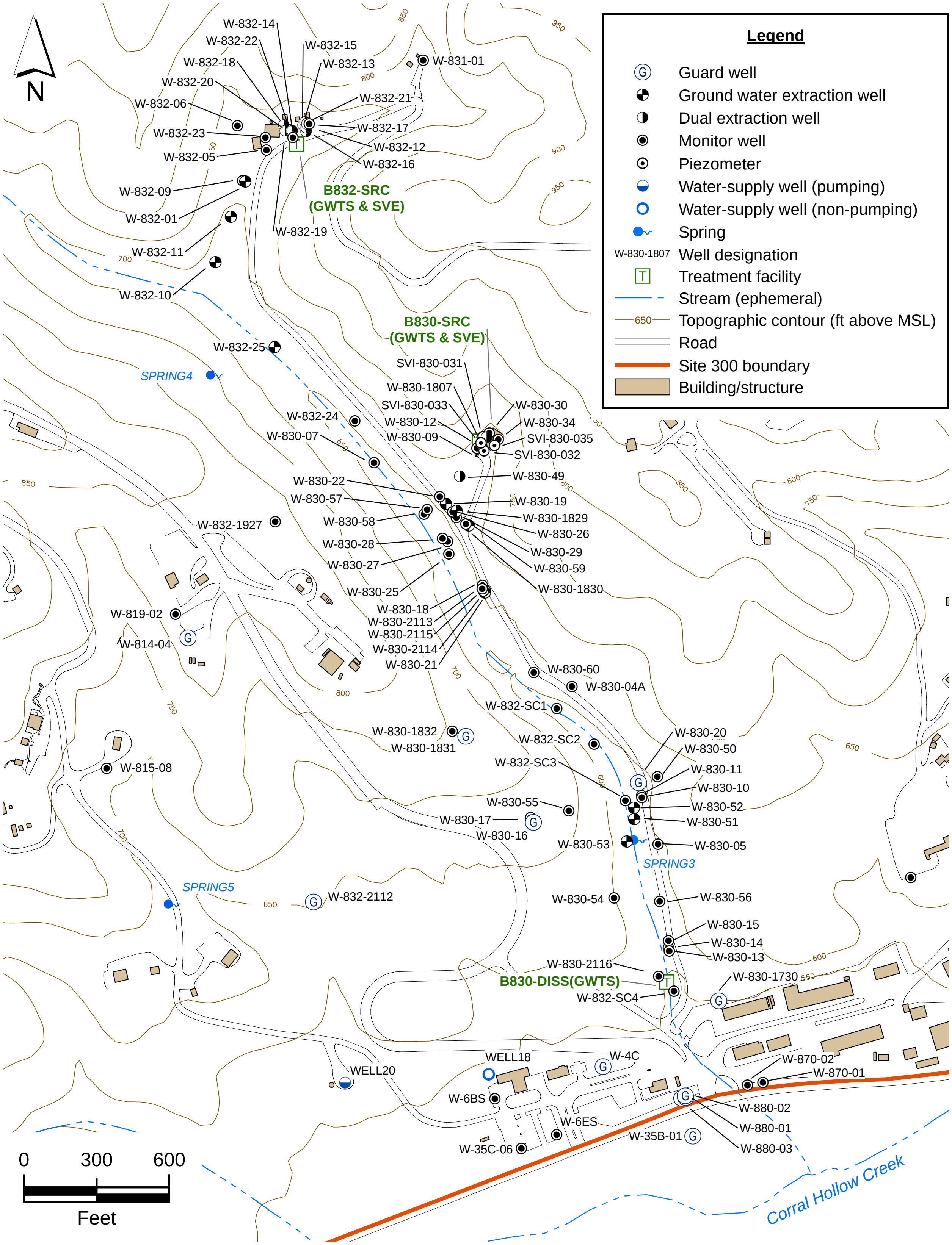

Figure 2.7-1. Building 832 Canyon OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

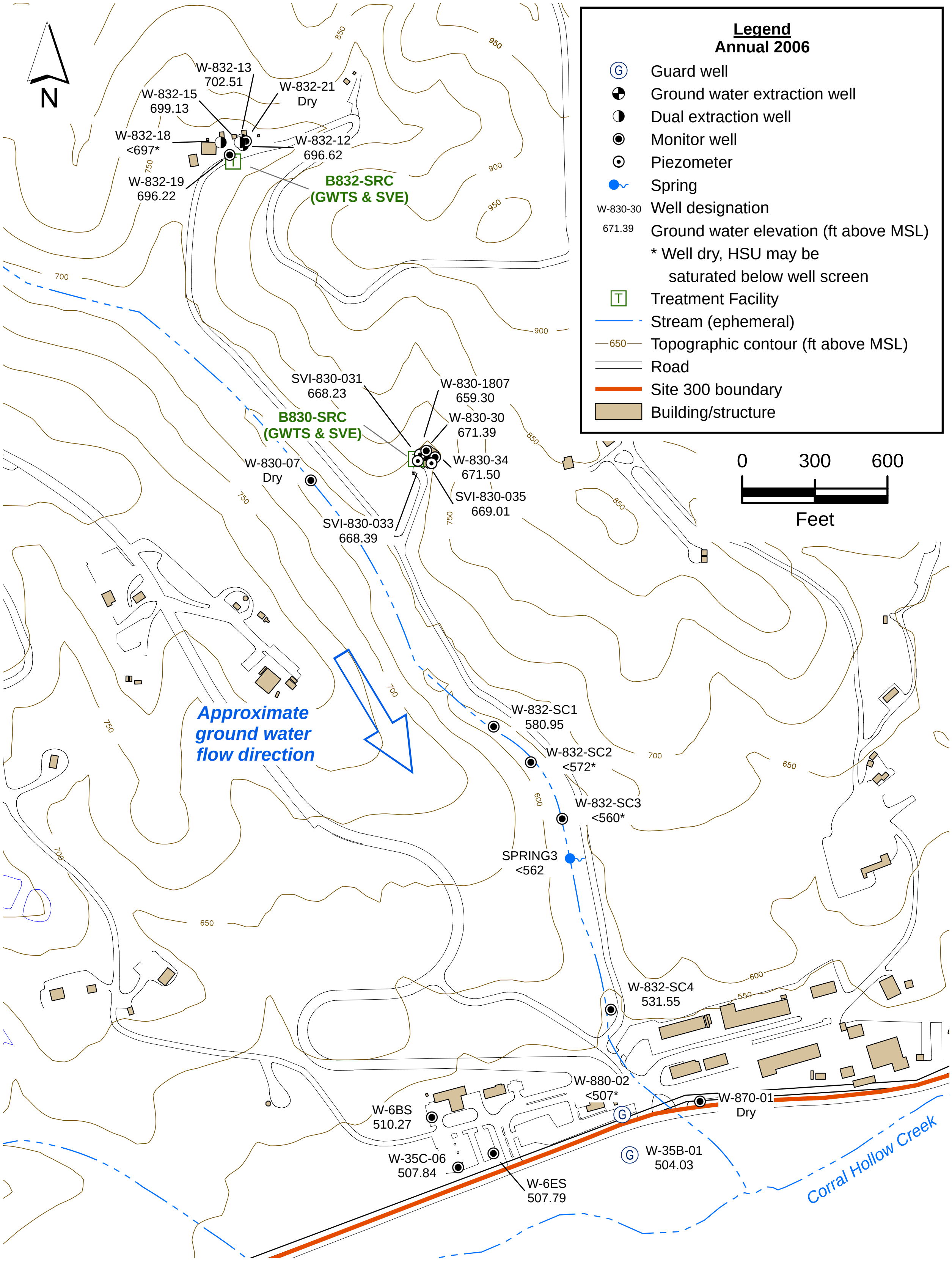

Figure 2.7-2. Building 832 Canyon OU map showing ground water elevations and ground water flow direction for the Qal/WBR HSU.

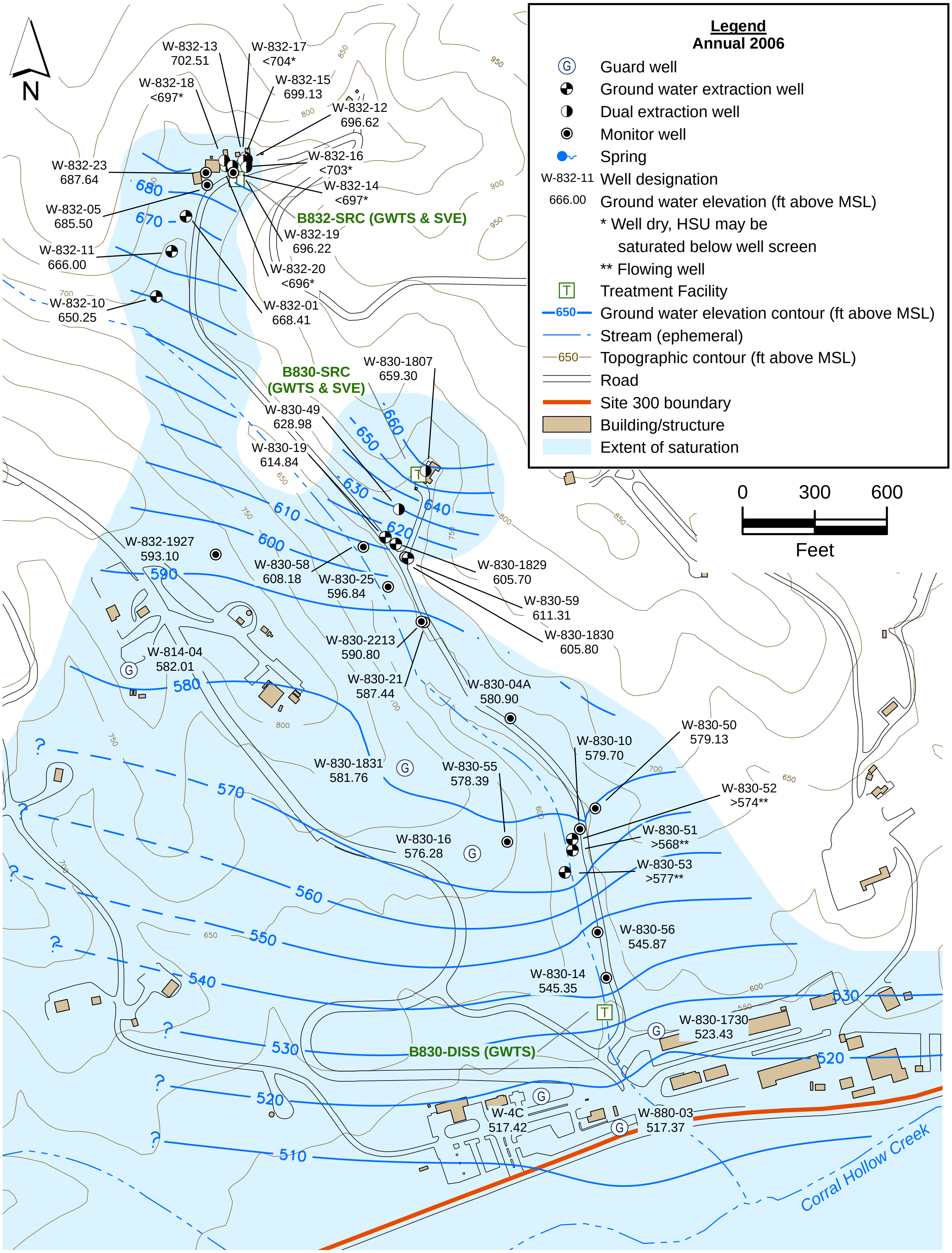

Figure 2.7-3. Building 832 Canyon OU ground water potentiometric surface map for the Tnsc$_{1b}$ HSU.

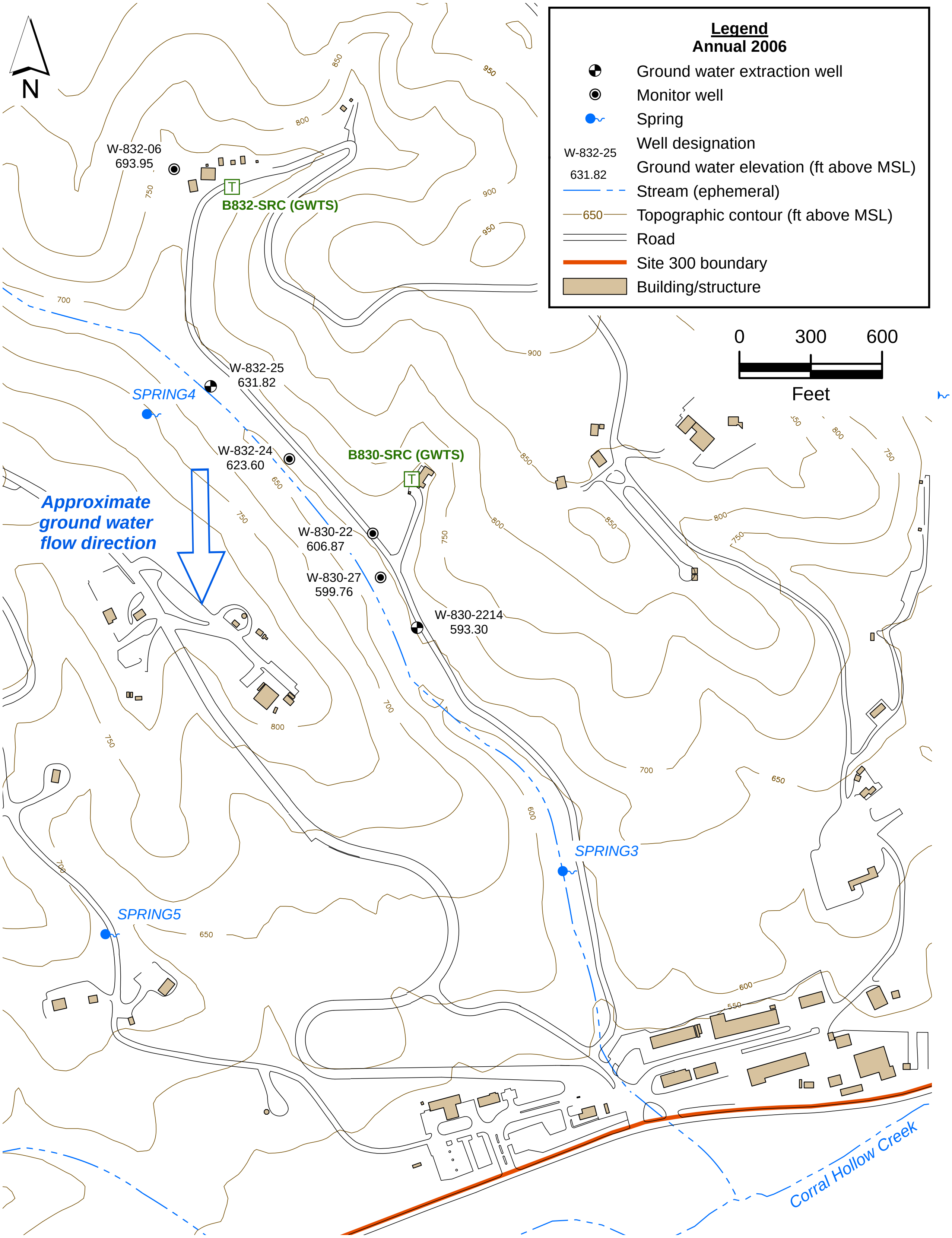

Figure 2.7-4. Building 832 Canyon OU map showing ground water elevations and ground water flow direction for the Tnsc$_{1a}$ HSU.

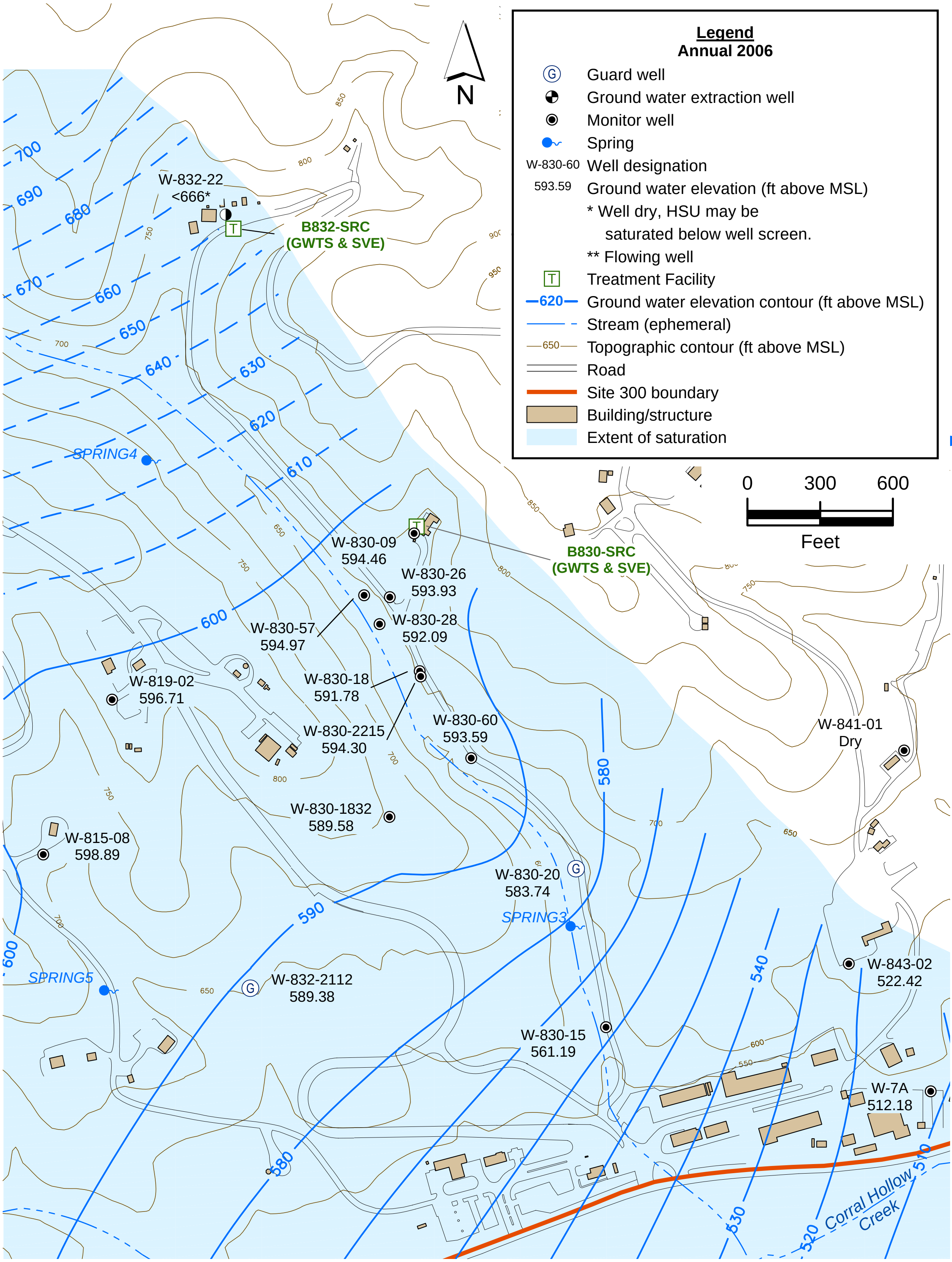

Figure 2.7-5. Building 832 Canyon OU ground water potentiometric surface map for the Upper Tnbs$_1$ HSU.

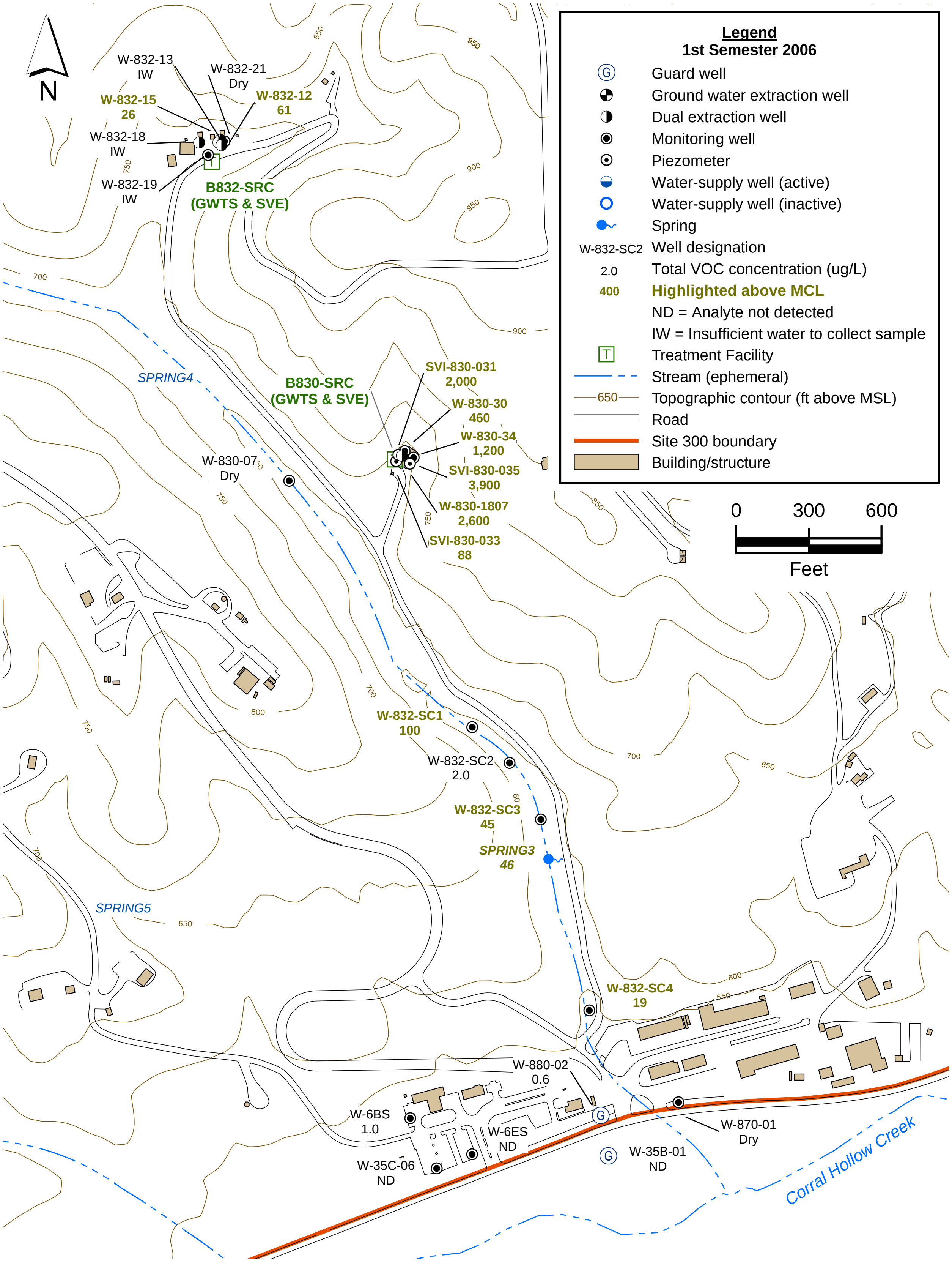

Figure 2.7-6. Building 832 Canyon OU map showing total VOC concentrations for the Qal/WBR HSU.

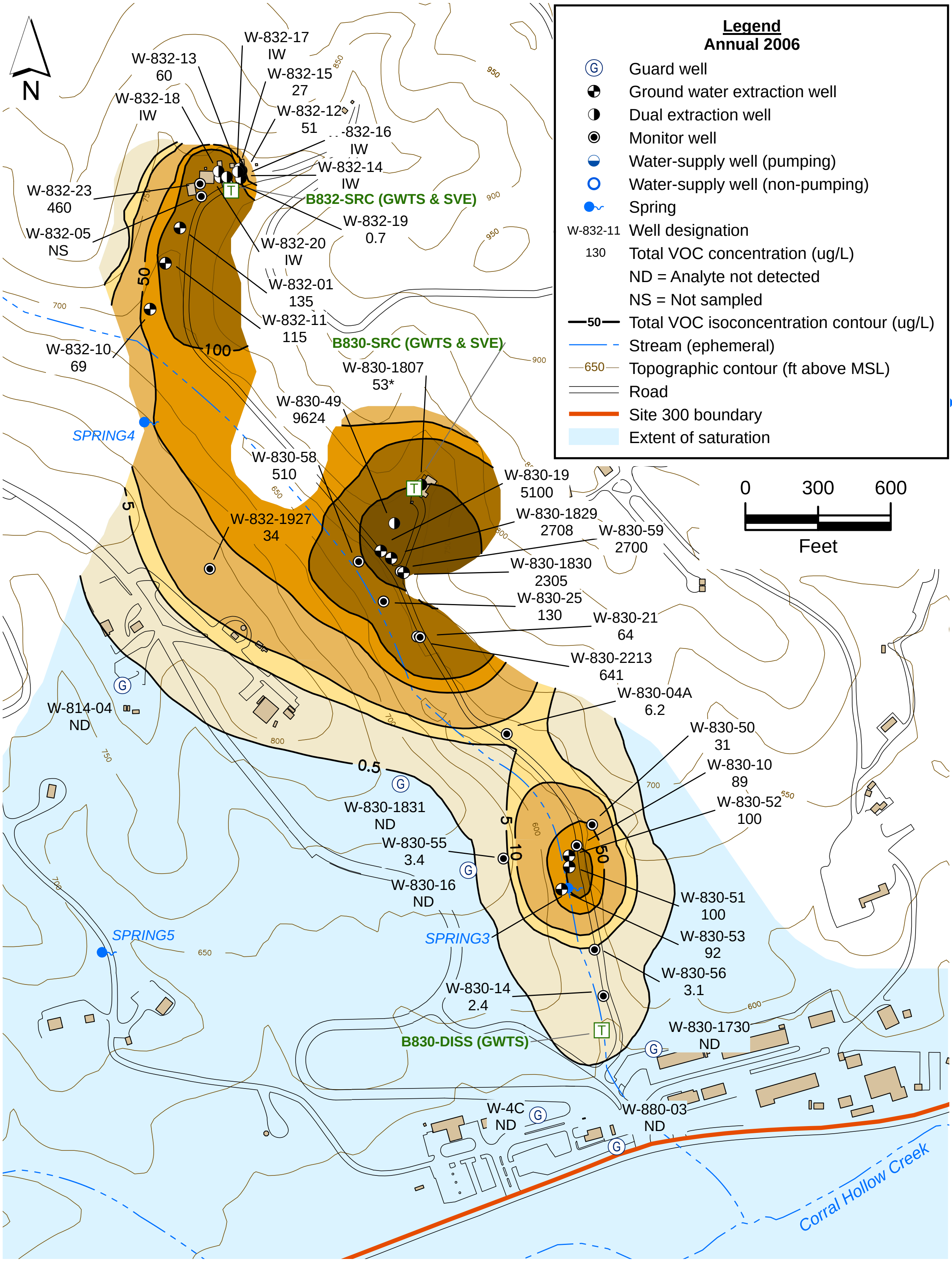

Figure 2.7-7. Building 832 Canyon OU total VOC isoconcentration contour map for the Tnsc$_{1b}$ HSU.

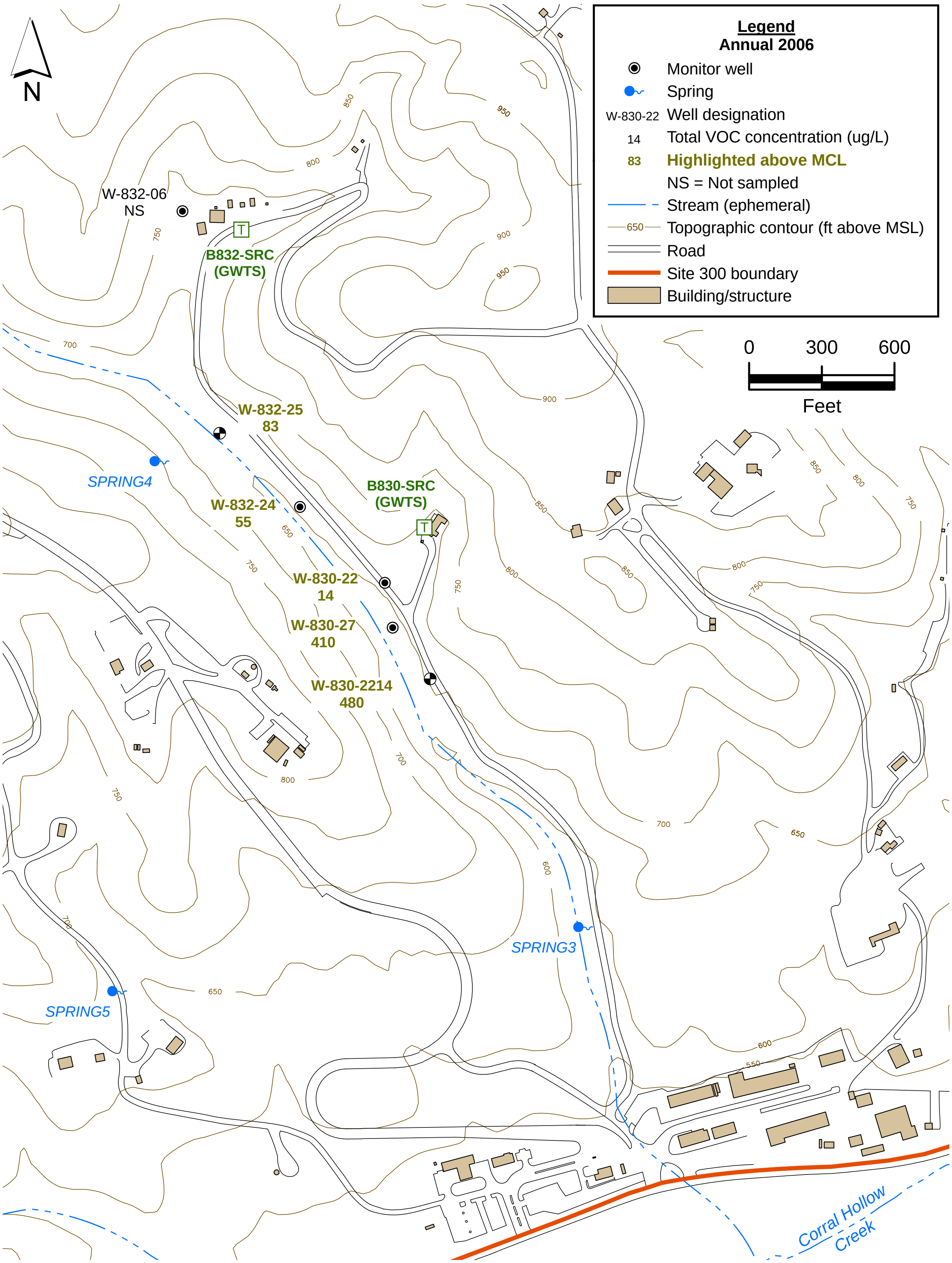

Figure 2.7-8. Building 832 Canyon OU map showing total VOC concentrations for the Tnsc$_{1a}$ HSU.

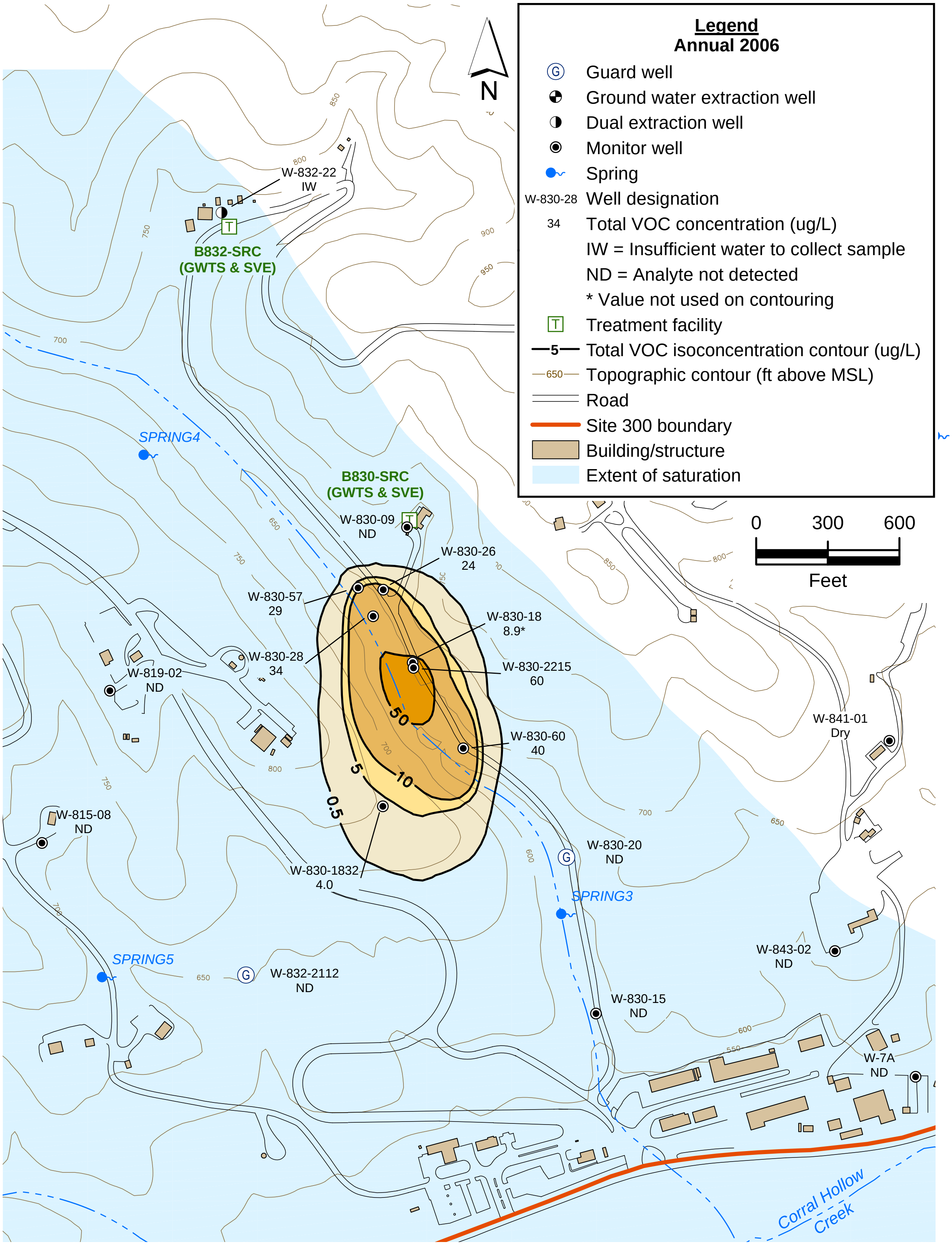

Figure 2.7-9. Building 832 Canyon OU total VOC isoconcentration contour map for the Upper Tnbs$_1$ HSU.

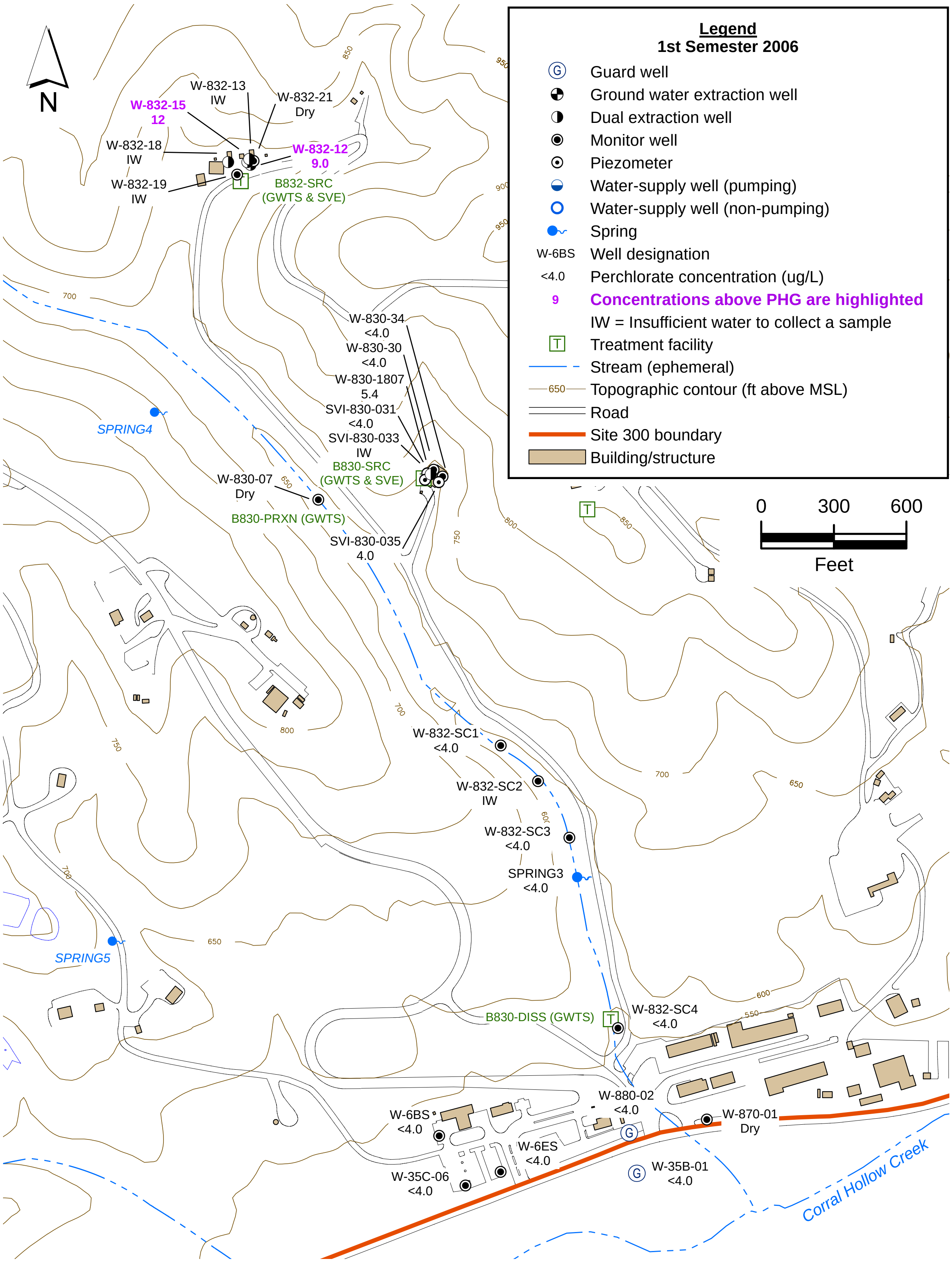

Figure 2.7-10. Building 832 Canyon OU map showing perchlorate concentrations for the Qal/WBR HSU.

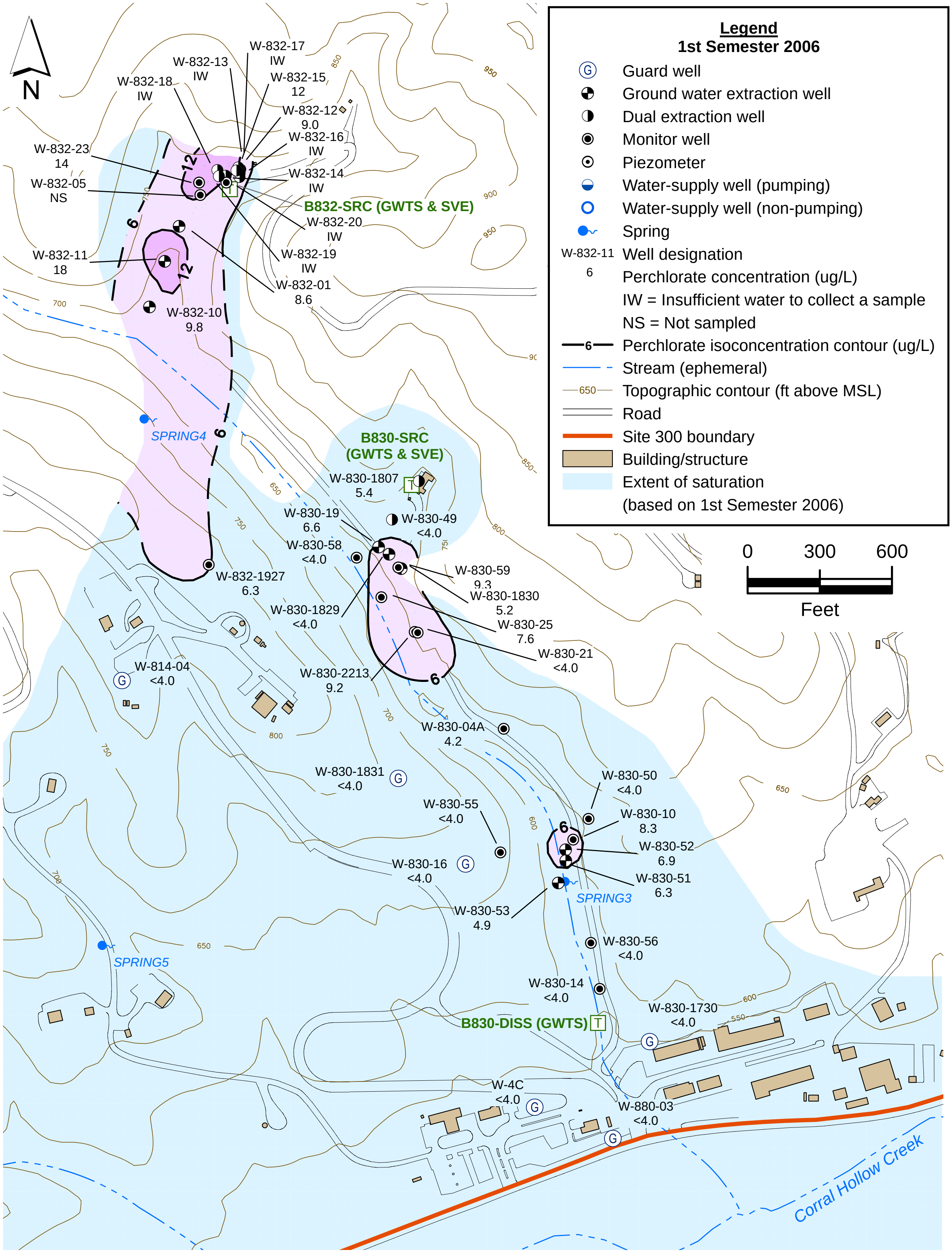

Figure 2.7-11. Building 832 Canyon OU perchlorate isoconcentration contour map for the Tnsc$_{1b}$ HSU.

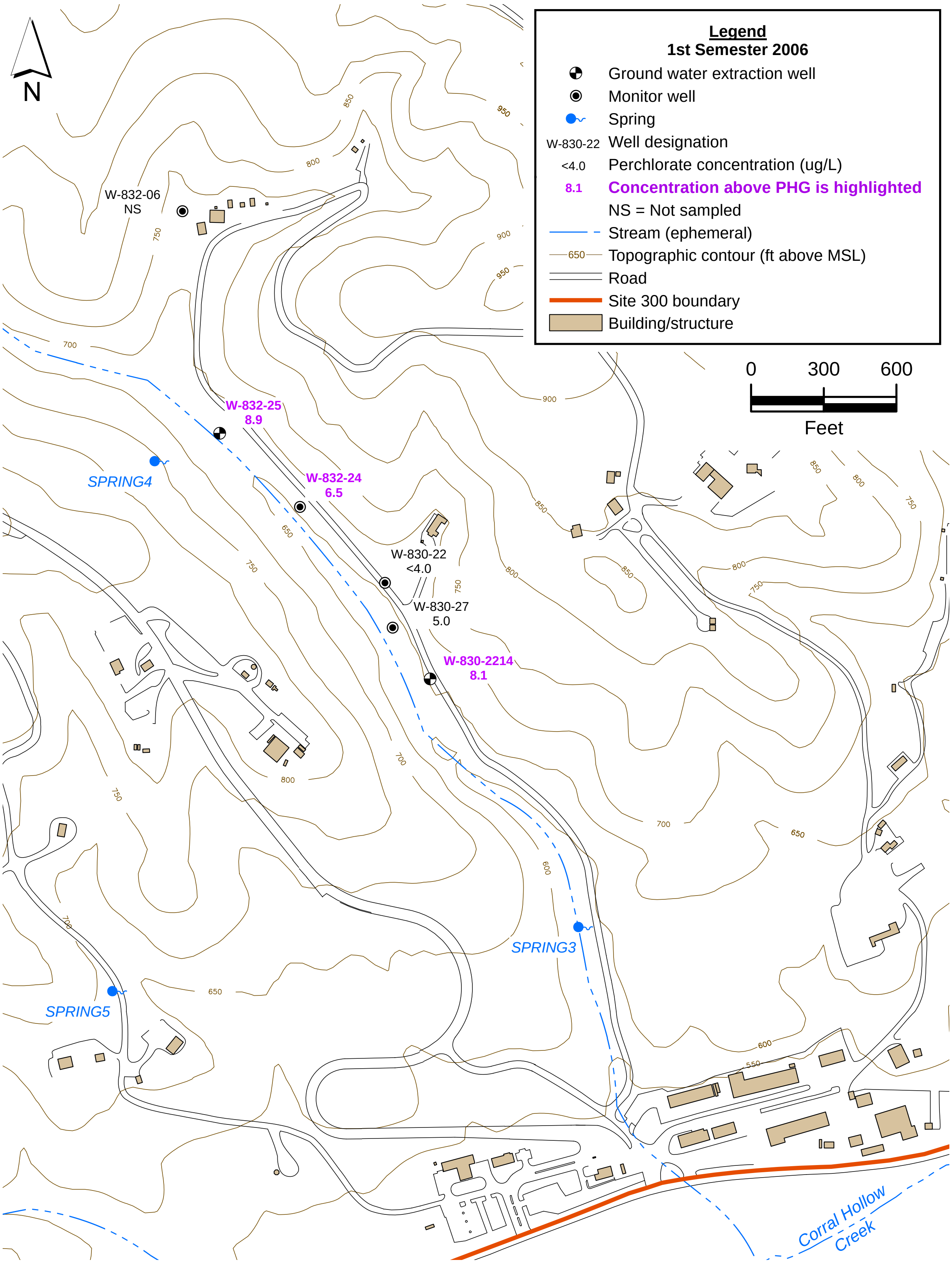

Figure 2.7-12. Building 832 Canyon OU map showing perchlorate concentration for the $Tnsc_{1a}$ HSU.

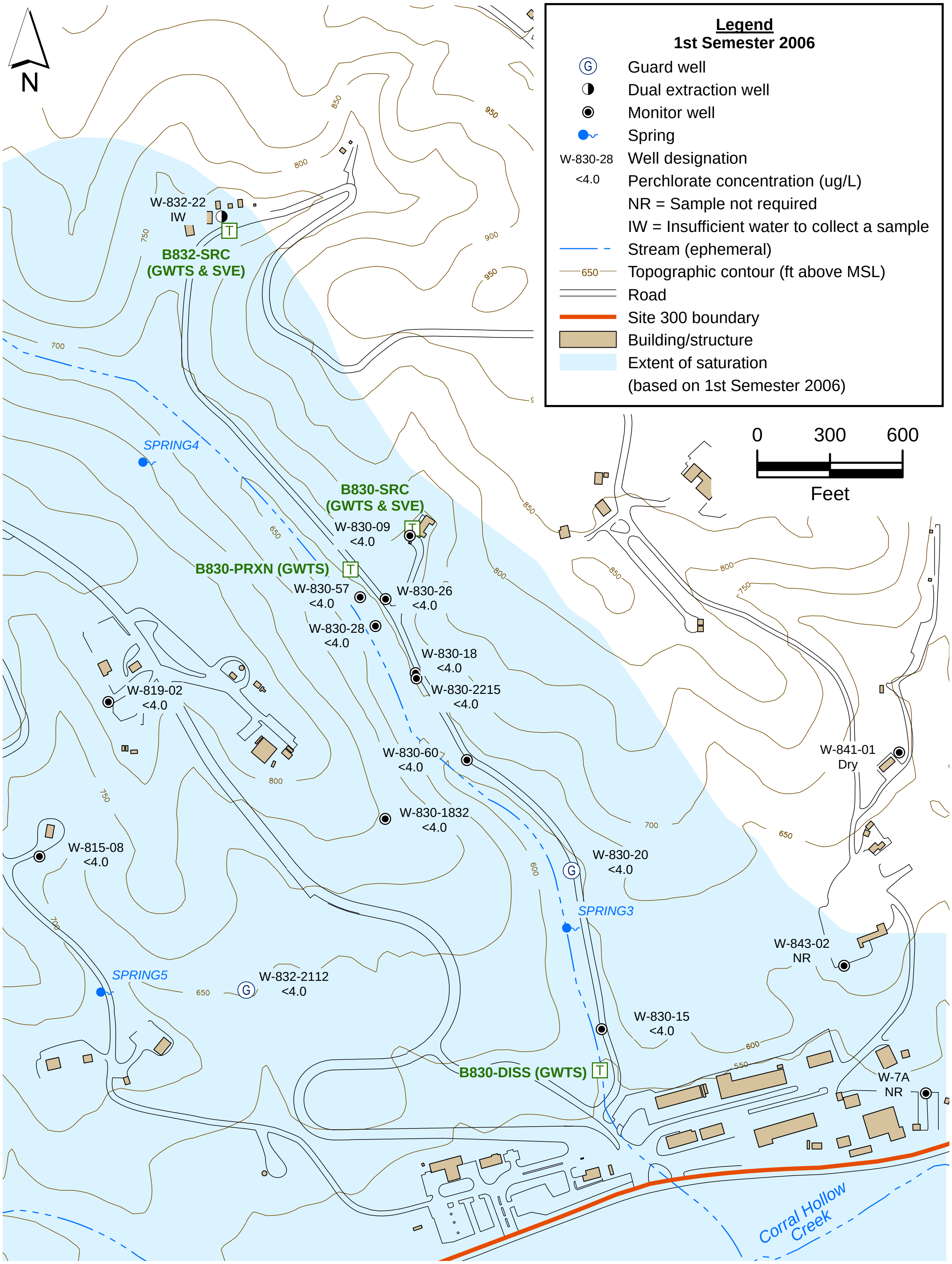

Figure 2.7-13. Building 832 Canyon OU map showing perchlorate concentrations for the Upper Tnbs$_1$ HSU.

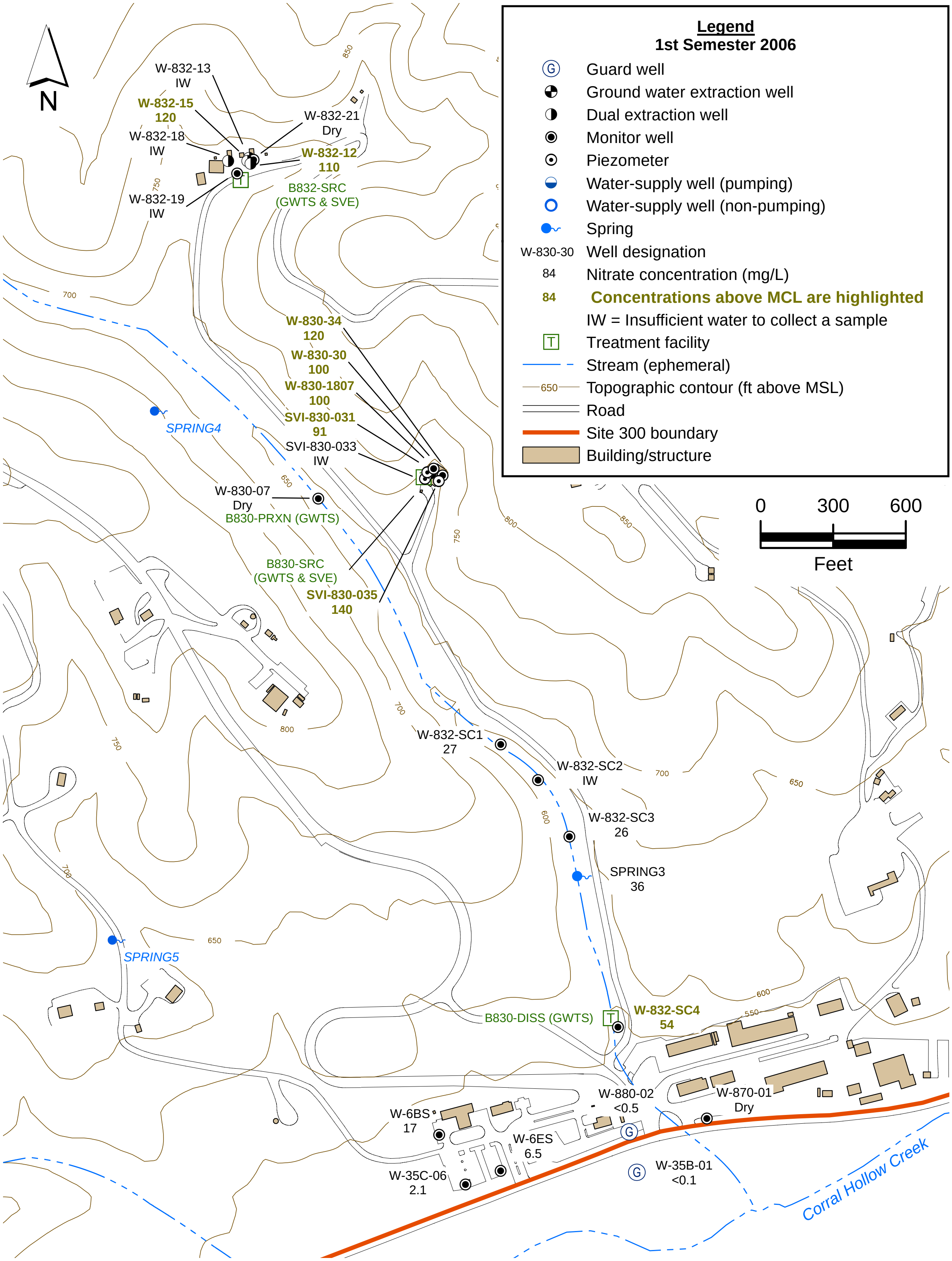

Figure 2.7-14. Building 832 Canyon OU map showing nitrate concentrations for the Qal/WBR HSU.

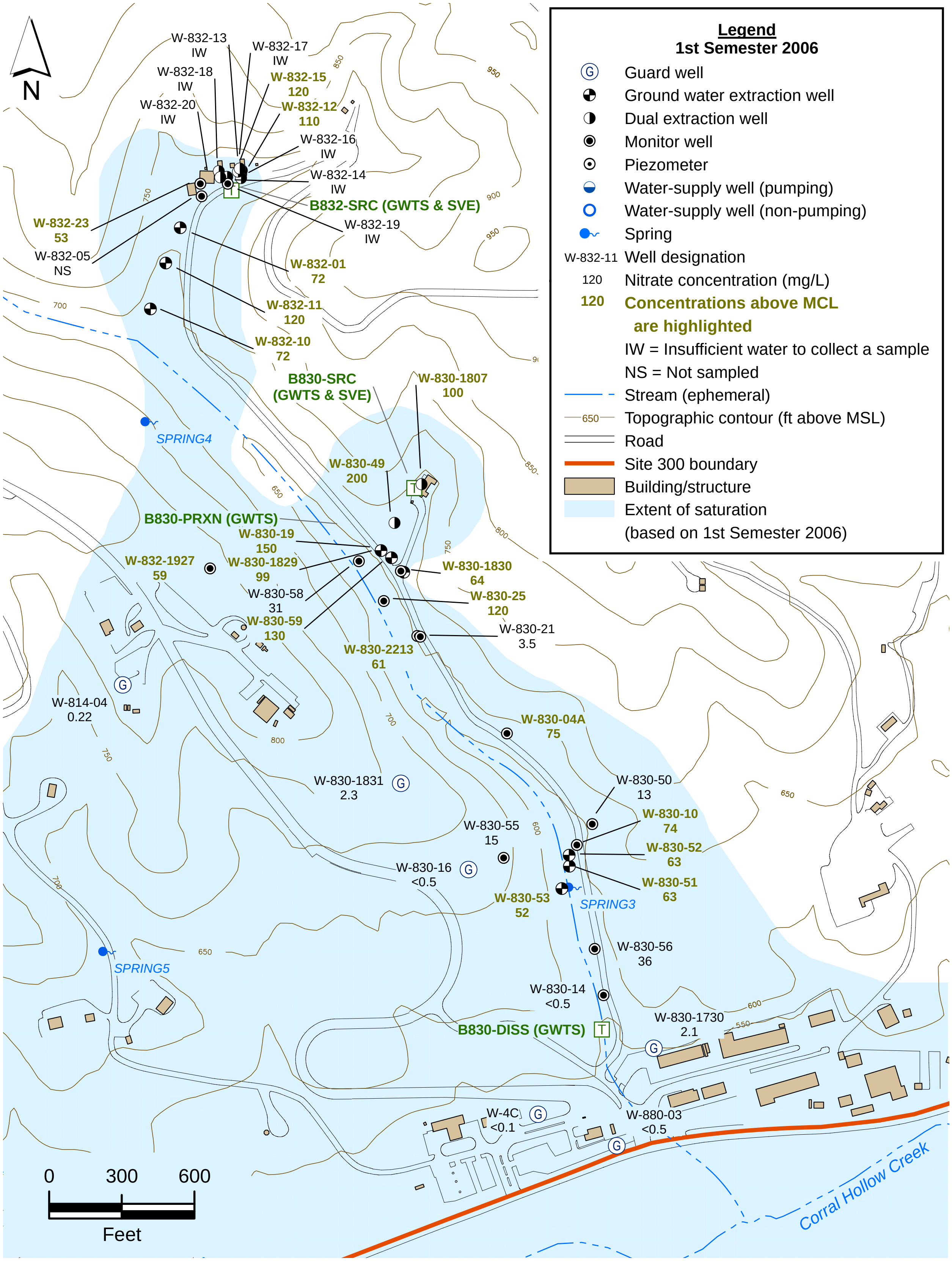

Figure 2.7-15. Building 832 Canyon OU map showing nitrate concentrations for the Tnsc$_{1b}$ HSU.

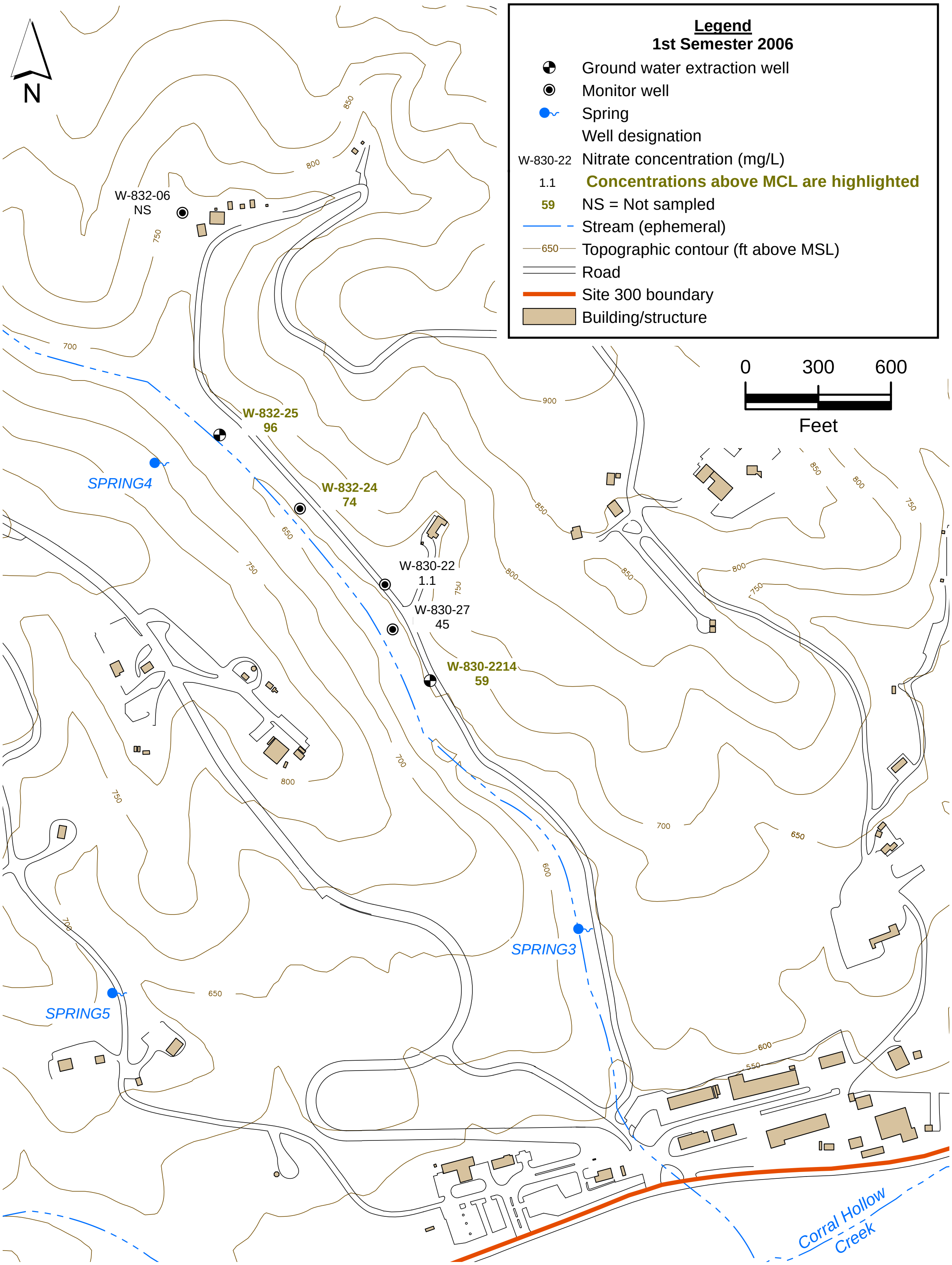

Figure 2.7-16. Building 832 Canyon OU map showing nitrate concentrations for the Tnsc$_{1a}$ HSU.

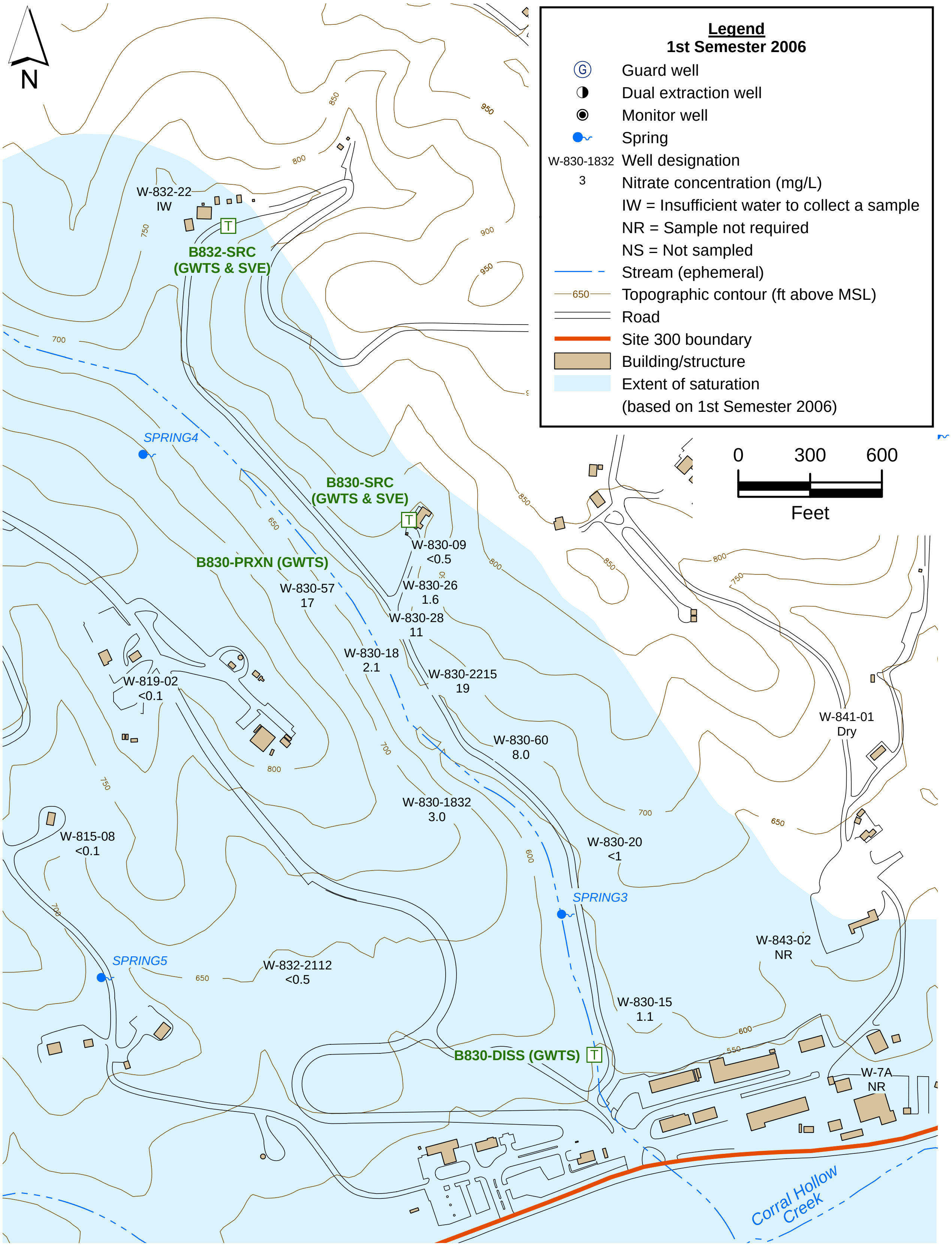

Figure 2.7-17. Building 832 Canyon OU map showing nitrate concentrations for the Upper Tnbs$_1$ HSU.

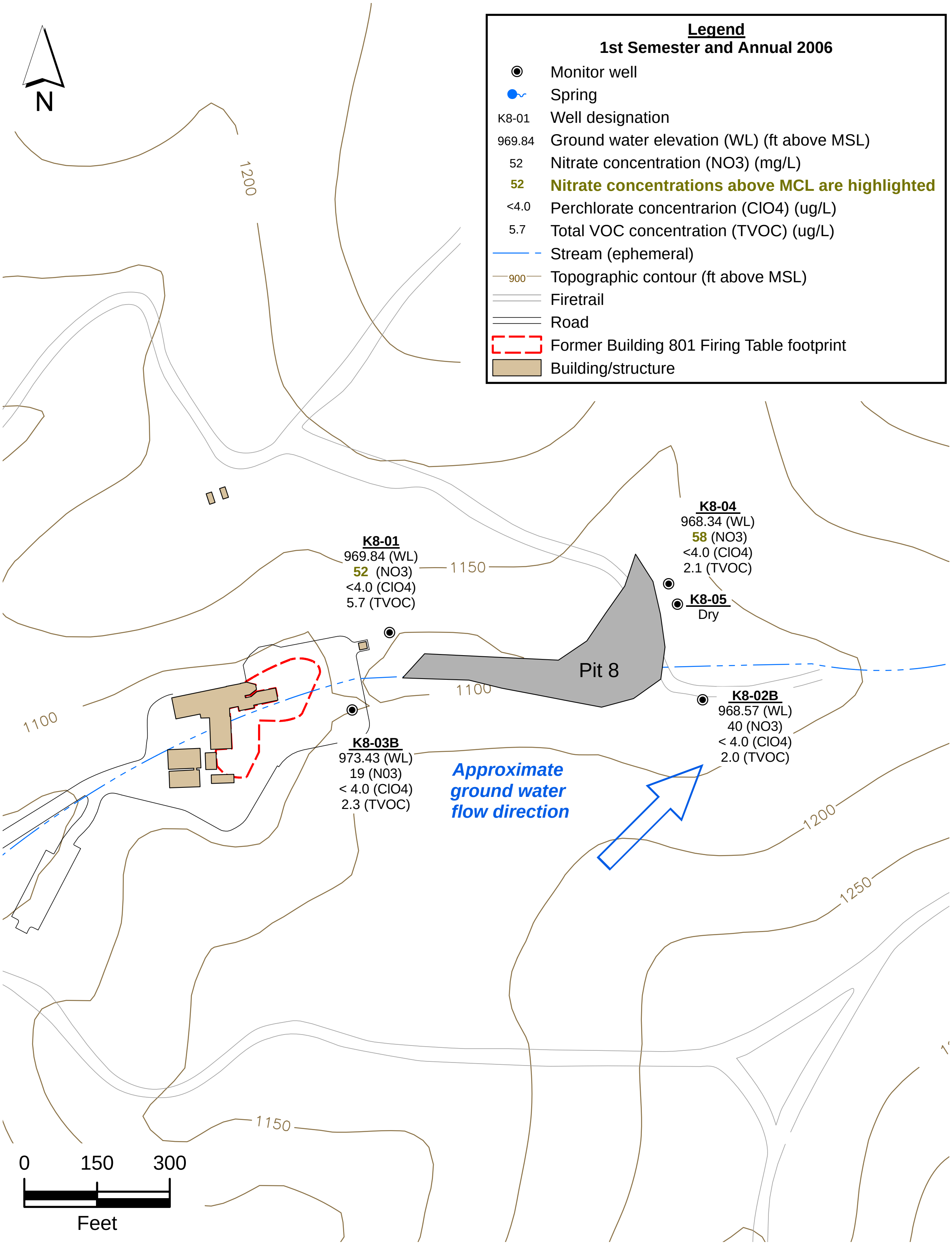

Figure 2.8-1. Building 801 Firing Table and Pit 8 Landfill site map showing monitor well locations, ground water elevations, nitrate, perchlorate, total VOC concentrations, and ground water flow direction in the $Tnbs_1/Tnbs_0$ HSU.

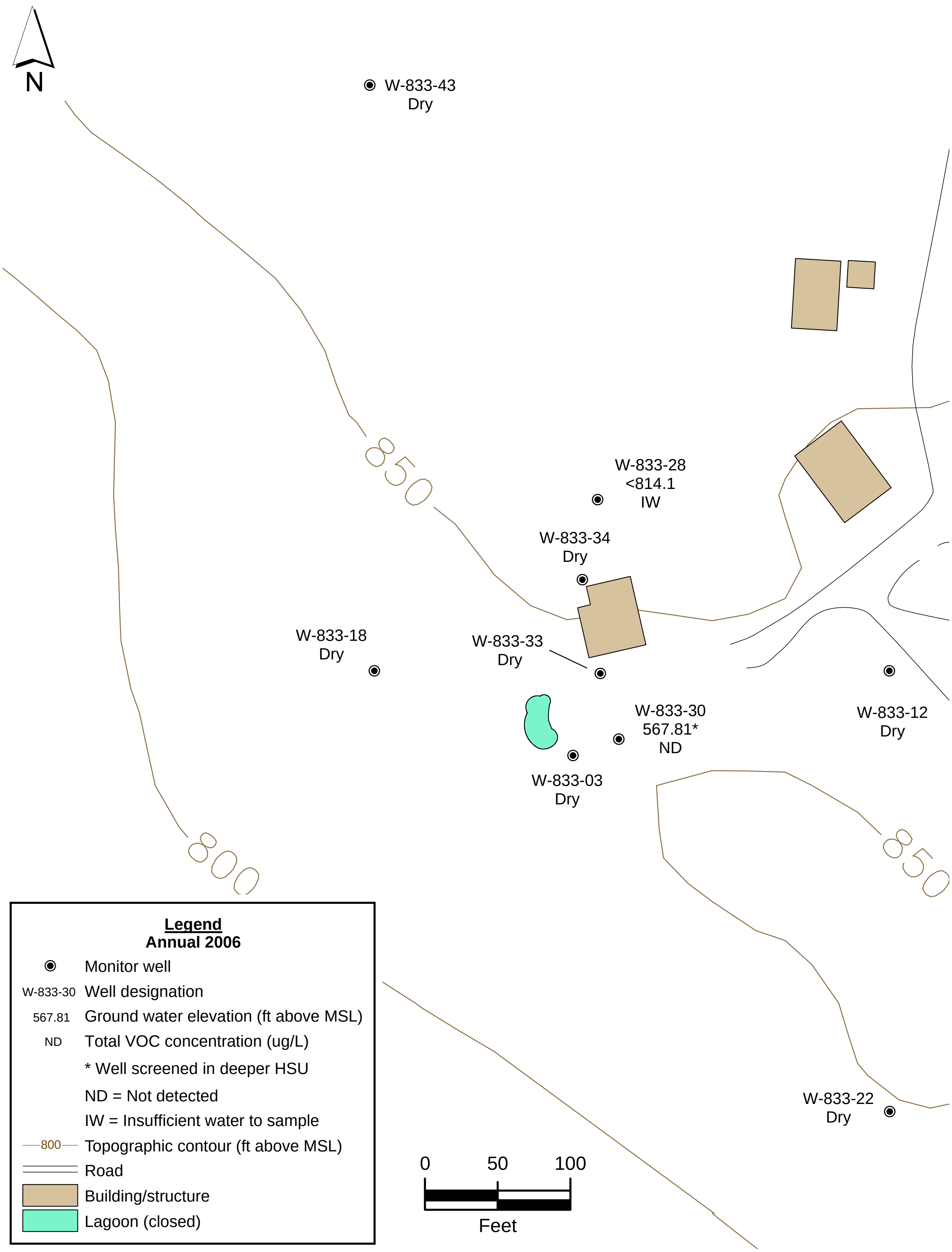

Figure 2.8-2. Building 833 site map showing monitor well locations, ground water elevations, and total VOC concentrations in the Tpsg HSU.

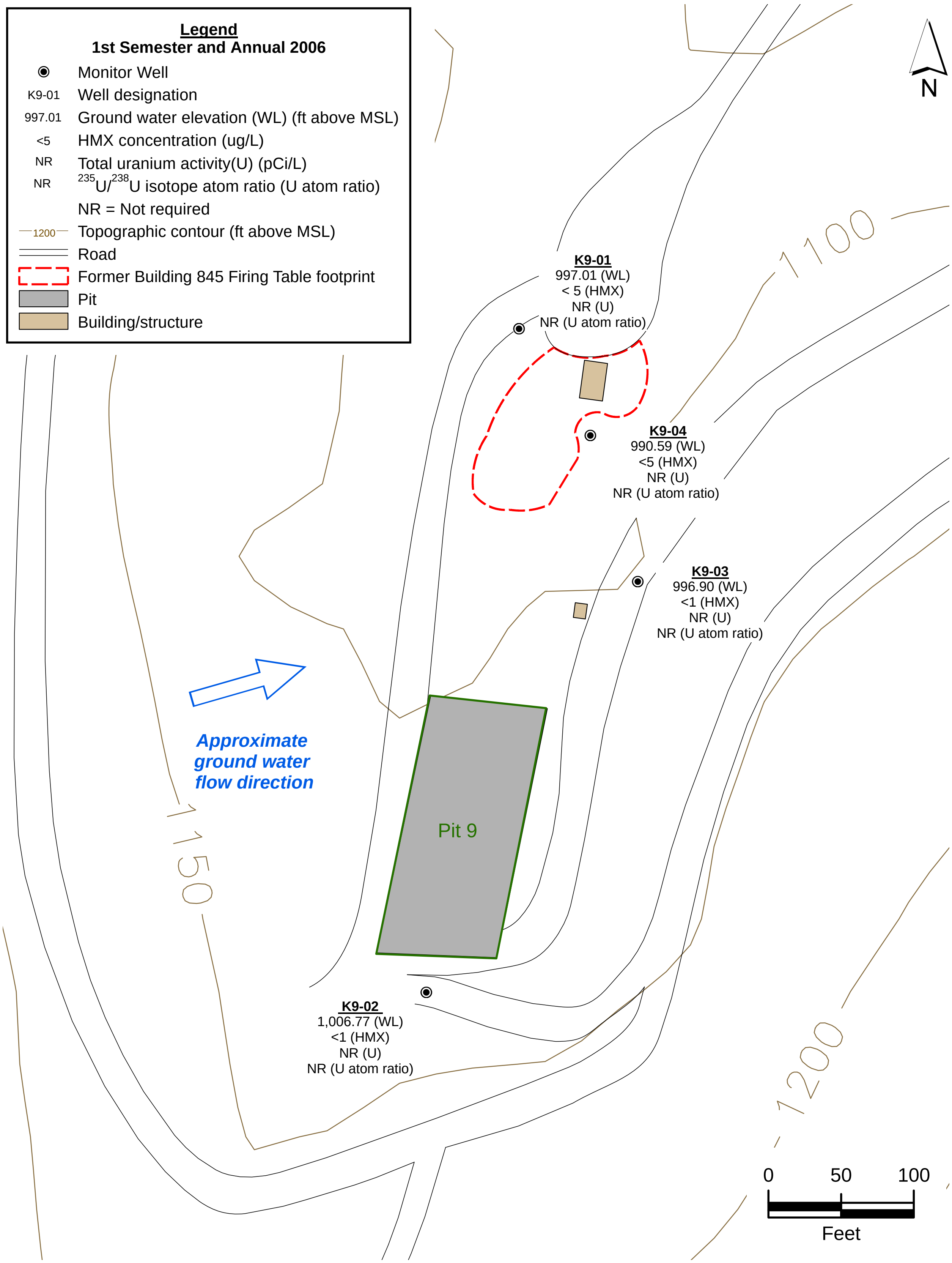

Figure 2.8-3. Building 845 Firing Table and Pit 9 Landfill site map showing monitor well locations, ground water elevations, ground water flow direction, HMX concentrations, uranium activities, and $^{235}U/^{238}U$ isotope atom ratios in the Tnsc$_0$ HSU.

Figure 2.8-4. Building 851 Firing Table site map showing monitor well locations, ground water elevations, tritium activites and uranium activities, and $^{235}U/^{238}U$ isotope atom ratios in the Tmss HSU.

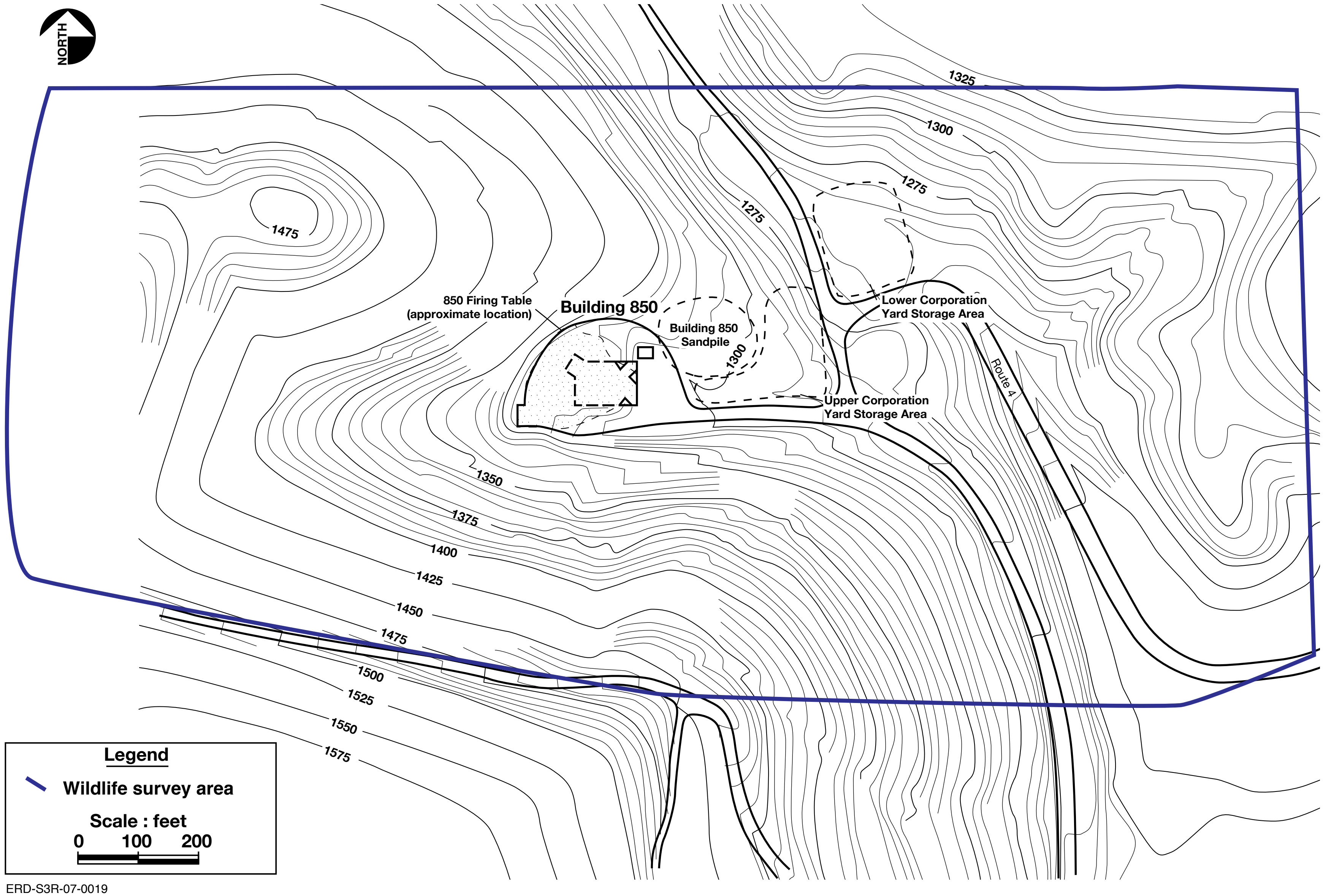

Figure 4.2-1. Area surveyed for important burrowing species at Building 850.

Tables

Acronyms and Abbreviations

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
815	Building 815
817	Building 817
829	Building 829
832	Building 832
834	Building 834
850	Building 850
854	Building 854
A	Annual
As N	As nitrogen
As $CaCO_3$	As calcium carbonate
B	Biennial
bgs	Below ground surface
BTEX	Benzene, toluene, ethyl benzene, and xylene
BTU	Biotreatment Unit
BUD	Borehole undeclared
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFE	Carbon filter effluent
CFI	Carbon filter influent
CF3I	Third aqueous phase granular carbon filter influent
cfm	Cubic feet per minute
CFV2	Second vapor phase granular activated carbon filter effluent
CGSA	Central General Services Area
CHC	Corral hollow creek
Cis-1,2-DCE	Cis-1,2-dichloroethene
CMP	Compliance Monitoring Plan
CMR	Compliance Monitoring Report
COC	Contaminants of Concern
DIS	Discretionary sampling (not required by the CMP)
DISS	Distal south
DMW	Detection monitor well
DOE	Department of Energy
DSB	Distal Site Boundary
DUP	Collocated sample for quality control purposes
EGSA	Eastern General Services Area
EPA	Environmental Protection Agency

ERD	Environmental Restoration Division
E	Effluent
ES&H	Environmental Safety and Health
EV	Effluent vapor
EW	Extraction well
ft	Feet
ft^3	Cubic feet
g	Gram(s)
GAC	Granular activated carbon
gal	gallon(s)
gpm	Gallons per minute
GSA	General Services Area
GTU	GAC Treatment Unit.
GW	Guard well
GWTS	Ground Water Treatment System
H_2O	Water
HEPA	High Explosives Process Area
HMX	High-Melting Explosive
HQ	Hazard quotient
HSU	Hydrostratigraphic unit
I	Influent
ITS	Issues Tracking System
IV	Influent vapor
IW	Injection well
kg	kilograms
km	Kilometers
LLNL	Lawrence Livermore National Laboratory
μg/L	Micrograms per liter
μmhos/cm	Micro ohms per centimeter
M	Monthly
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
mg/kg	Milligrams per kilogram
MWB	Monitor well used for background
MWPT	Monitor well used for plume tracking
N	No
NC	Non-CMP well/borehole
NO_3	Nitrate
NA	Not applicable
NTU	Nephelometric turbidity units
OU	Operable unit
O&M	Operations and Maintenance
PCE	Tetrachloroethylene

pCi/L	PicoCuries per liter
pg/g	picogram per gram
pH	A measure of the acidity or alkalinity of an aqueous solution
PHG	State of California Public Health Goal
ppb	Parts per billion
ppm $_{v/v}$	Parts per million on a volume-to-volume basis
PRX	Proximal
PRXN	Proximal north
PTU	Portable Treatment Unit
Q	Quarterly
QAPP	Quality Assurance Project Plan
QA/QC	Quality assurance/quality control
QIF	Quality Improvement Form
R1	Receiving water sampling point located 100 ft upstream
R2	Receiving water sampling point located 100 ft downstream
REX	Re-extracted and reanalyzed sample
RD	Remedial Design
RDX	Research Department explosive
RWQCB	Regional Water Quality Control Board
S	Semi-annual
Scfm	Standard cubic feet per minute
SOP	Standard Operating Procedure
SRC	Source
SPR	Spring
STU	Solar-powered Treatment Unit
SVE	Soil Vapor Extraction
SVI	Soil Vapor Influent
TBOS	Tetrabutyl orthosilicate
TKEBS	Tetrakis (2-ethylbutyl) silane
TCE	Trichloroethylene
TDS	Total dissolved solids
TF	Treatment facility
Trans-1,2-DCE	Trans-1,2-dichloroethene
$^{235}U/^{238}U$	Atom ratio of the isotopes uranium-235 and uranium-238
U.S.	United States
VCF4I	Fourth vapor phase granular activated carbon filter influent
VE	Vapor effluent
VES	Vapor extraction system
VI	Vapor influent
VOC	Volatile organic compound
WGMG	Water Guidance and Monitoring Group
WS	Water supply well
Y	Yes

Requested Analyses

ANIONS =	Anions suite performed by various analytical methods.
AS:THISO =	Thorium isotopes performed by alpha spectrometry.
AS:UISO =	Uranium isotopes performed by alpha spectrometry.
CMPTRIMET =	Thorium, uranium, and lithium performed by EPA Method 200.7.
DWMETALS =	Drinking water metals suite performed by various analytical methods.
E1002TOX =	Daphnid (ceriodaphnia dubia) survival and reproduction test with reference toxicant performed by EPA Method 1002.
E1003TOX =	Green alga (selenastrum capricornutum) gross test with reference toxicant performed by EPA Method 1003.
E200.7:Ba =	Barium performed by EPA Method 200.7.
E200.7:Cd =	Cadmium performed by EPA Method 200.7.
E200.7:Cu =	Copper performed by EPA Method 200.7.
E200.7:SiO2 =	Silica performed by EPA Method 200.7.
E200.7:Zn =	Zinc performed by EPA Method 200.7.
E210.2 =	Beryllium performed by EPA Method 210.2.
E218.2 =	Chromium performed by EPA Method 218.2.
E239.2 =	Lead performed by EPA Method 239.2.
E245.2 =	Mercury performed by EPA Method 245.2.
E300.0:NO2 =	Nitrite performed by EPA Method 300.0.
E300.0:NO3 =	Nitrate performed by EPA Method 300.0.
E300.0:O-PO2 =	Orthophosphate performed by EPA Method 300.0.
E300.0:PERC =	Perchlorate performed by EPA Method 300.0.
E340.2 =	Fluoride performed by EPA method 340.2.
E350.2 =	Ammonia nitrogen (as N) performed by EPA Method 350.2
E502.2 =	Drinking water volatile organic compounds performed by EPA Method 502.2.
E601 =	Halogenated volatile organic compounds performed by EPA Method 601.
E602 =	Aromatic volatile organic compounds performed by EPA Method 602.
E624 =	Volatile organic compounds performed by EPA Method 624.
E8082A =	Polychlorinated biphenyls performed by EPA Method 8082A.
E8330:R+H =	High explosive compounds RDX and HMX performed by EPA Method 8330.
E8330:TNT =	Trinitrotoluene performed by EPA Method 8330.
E900 =	Gross alpha and beta performed by EPA Method 900.
E906 =	Tritium performed by EPA Method 906.
EM8015:DIESEL =	Diesel range organic compounds performed by modified EPA Method 8015.
GENMIN =	General minerals suite performed by various analytical methods.
GENMINDISS =	Dissolved general minerals suite performed by various analytical methods.

MS:THISO = Thorium isotopes performed by mass spectrometry.

MS:UISO = Uranium isotopes performed by mass spectrometry.

NUTRIENTS = Nutrients suite performed by various analytical methods.

T26METALS = Title 26 metals.

TBOS = Tetrabutylorthosilicate.

WDRE624 = Volatile organic compounds performed by EPA Method 624.

Data Qualifier Flag Definitions

B = Analyte found in method blank, sample results should be evaluated.

D = Analysis performed at a secondary dilution or concentration (i.e., vapor samples).

E = The analyte was detected below the LLNL reporting limit, but above the analytical laboratory minimum detection limit.

F = Analyte found in field blank, trip blank, or equipment blank.

G = Quantitated using fuel calibration, but does not match typical fuel fingerprint.

H = Sample analyzed outside of holding time, sample results should be evaluated.

I = Surrogate recoveries were outside of QC limits.

J = Analyte was positively identified; the associated numerical value is the proximate concentration of the analyte in the sample.

L = Spike accuracy not within control limits.

O = Duplicate spike or sample precision not within control limits.

R = Sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

S = Analytical results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be verified.

T = Analyte is tentatively identified compound; result is approximate.

Water Level Measurement Notes

CB	Christy box.
DRY	Well was dry.
FL	Flowing (Artesian) well.
ft	Feet.
ME	Measurement error.
MSL	Mean sea level.
MUD	Mud was encountered while measuring water level.
NM	Water level not measured.
RA	Restricted access.
SEALED	Extraction/injection well and could not be accessed for measurement.
UC	Unsafe conditions prohibit measuring water level.
VE	Vacuum extraction.

Hydrogeologic Units

Lower $Tnbs_1$ =	Lower member of the Neroly lower blue sandstone, below claystone marker bed (regional aquifer).
Qal =	Quaternary alluvium.
Qls =	Quaternary landslide.
Qt =	Quaternary terrace.
Tmss =	Miocene Cierbo Formation—lower siltstone/claystone member.
$Tnsc_{1a}$, $Tnsc_{1b}$, $Tnsc_{1c}$ =	Sandstone bodies within the $Tnsc_1$ Neroly middle siltstone/claystone (1a = deepest).
$Tnbs_1$ =	Lower member of the Neroly lower blue sandstone.
$Tnbs_0$ =	Neroly silty sandstone.
$Tnbs_2$ =	Miocene Neroly upper blue sandstone.
$Tnsc_0$ =	Tertiary Neroly Formation—lower siltstone/claystone member.
$Tnsc_2$ =	Miocene Neroly Formation—upper siltstone/claystone member.
Tps =	Pliocene non-marine unit.
Tpsg =	Miocene non-marine unit (gravel facies).
Tts =	Tesla Formation.
Upper $Tnbs_1$ =	Upper member of the Neroly lower blue sandstone, above claystone marker bed.

Table 2-1. Wells and boreholes installed during 2006.

Well name	Well type	OU	Well/Borehole installation date	HSU	Drill Depth (ft)	Casing depth (ft)	Screened interval (ft-bgs)	Primary COCs	Primary COC sampling frequency	Secondary COCs	Secondary COC sampling frequency
W-830-2216	EW	OU7	1/18/06	$Tnbs_2$	63	48.5	30-50	VOCs	S[a]	Nitrate	A[a]
W-830-2213	EW	OU7	1/31/06	$Tnsc_{1b}$	74	73.5	59-74	VOCs	S[a]	Perchlorate, Nitrate	A[a]
W-830-2215	EW	OU7	2/16/06	$Tnbs_1$	123	110.5	95-112	VOCs	S[a]	Perchlorate, Nitrate	A[a]
W-830-2214	EW	OU7	3/2/06	$Tnsc_{1a}$	94	88.5	73-89	VOCs	S[a]	Perchlorate, Nitrate	A[a]
W-815-2217	MWPT	OU4	3/22/06	$Tnbs_2$	155	100.5	80-105	VOCs	S	Perchlorate, Nitrate, RDX	A
B-850-2219	Borehole	OU5	4/25/06	NA	7.5	NA	NA	NA	NA	NA	NA
B-850-2220	Borehole	OU5	4/25/06	NA	7.5	NA	NA	NA	NA	NA	NA
B-850-2221	Borehole	OU5	4/25/06	NA	7.5	NA	NA	NA	NA	NA	NA
B-850-2222	Borehole	OU5	4/25/06	NA	5	NA	NA	NA	NA	NA	NA
B-850-2223	Borehole	OU5	4/25/06	NA	7.5	NA	NA	NA	NA	NA	NA
W-PIT1-2209	MWPT	OU5	5/11/06	$Tnbs_1$	360	266	235-266	Tritium	S	Uranium, Perchlorate, Nitrate	A
W-854-2218	MWPT	OU6	6/28/06	$Tnbs_1$	192	166	135-168	VOCs	S	Perchlorate, Nitrate	A
W-865-2224	GW	B865	8/1/06	$Tnbs_0$	228	226	203-228	NC	NC	NC	NC
W-PIT1-2204	MWPT	OU5	8/23/06	Qal/$Tnbs_1$-cong	102	39	16-40	Tritium	S	Uranium, Perchlorate, Nitrate	A
W-PIT2-2226	GW	OU5	11/7/06	$Tnbs_1$/$Tnbs_0$	442	415	386-416	Tritium	Q	NA	NA
W-PIT2-2301	MWPT	OU5	11/28/06	Qal/WBR	53	30.5	20-30	Tritium	S	Uranium, Perchlorate, Nitrate	A
W-PIT2-2302	MWPT	OU5	11/28/06	Qal/WBR	20.5	17.5	7-17	Tritium	S	Uranium, Perchlorate, Nitrate	A
W-PIT2-2303	MWPT	OU5	11/29/06	Qal/WBR	53	18.5	8-18	Tritium	S	Uranium, Perchlorate, Nitrate	A
W-PIT2-2304	MWPT	OU5	11/29/06	Qal/WBR	55	54.5	44-54	Tritium	S	Uranium, Perchlorate, Nitrate	A

Notes:

NA = Not applicable.

NC = Non-CMP well.

B865 = Building 865 study area. Analytical results will be reported in the Building 865 Characterizaiton Summary Report, scheduled for September 2006.

Pit 7 = The Pit 7 subarea of OU5 is not included in the CMR.

[a] Extraction wells are sampled per the Substantive Requirements (see Building 830-Source treatment facility sampling and analysis plan).

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-1. Central General Services Area (CGSA) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
CGSA	July	648	792	651	230,973
	August	744	744	889	178,302
	September	672	672	669	158,356
	October	504	792	694	209,533
	November	720	720	760	163,703
	December	648	648	562	130,178
Total		3,936	4,368	4,225	1,071,045

Table 2.1-2. Eastern General Services Area (EGSA) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
EGSA	July	NA	840	NA	2,201,585
	August	NA	672	NA	1,791,406
	September	NA	672	NA	1,766,372
	October	NA	816	NA	2,182,510
	November	NA	672	NA	1,541,660
	December	NA	720	NA	1,709,249
Total		NA	4,392	NA	11,192,782

Table 2.1-3. General Services Area OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (μg/L)	PCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	Carbon tetra-chloride (μg/L)	Chloro-form (μg/L)	1,1-DCA (μg/L)	1,2-DCA (μg/L)	1,1-DCE (μg/L)	1,1,1-TCA (μg/L)	1,1,2-TCA (μg/L)	Freon 11 (μg/L)	Freon 113 (μg/L)	Vinyl chloride (μg/L)
Central General Services Area															
CGSA-GWTS-E	7/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	8/9/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	10/3/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	11/8/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	12/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-I	7/12/06	30	1.6	0.75	<0.5	<0.5	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	0.56	<0.5	<0.5
CGSA-GWTS-I	10/3/06	44	2.3	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.83	<0.5	<0.5	0.86	<0.5	<0.5
Eastern General Services Area															
EGSA-GWTS-E	7/5/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	10/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	12/4/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-I	7/5/06	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-I	10/2/06	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-3 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency	1,2-Dichloroethene (total) (μg/L)
Central General Services Area			
CGSA-GWTS-E	7/12/06	0 of 18	-
CGSA-GWTS-E	8/9/06	0 of 18	-
CGSA-GWTS-E	9/6/06	0 of 18	-
CGSA-GWTS-E	10/3/06	0 of 18	-
CGSA-GWTS-E	11/8/06	0 of 18	-
CGSA-GWTS-E	12/6/06	0 of 18	-
CGSA-GWTS-I	7/12/06	0 of 18	-
CGSA-GWTS-I	10/3/06	1 of 18	1.2
Eastern General Services Area			
EGSA-GWTS-E	7/5/06	0 of 18	-
EGSA-GWTS-E	8/2/06	0 of 18	-
EGSA-GWTS-E	9/6/06	0 of 18	-
EGSA-GWTS-E	10/2/06	0 of 18	-
EGSA-GWTS-E	11/1/06	0 of 18	-
EGSA-GWTS-E	12/4/06	0 of 18	-
EGSA-GWTS-I	7/5/06	0 of 18	-
EGSA-GWTS-I	10/2/06	0 of 18	-

Table 2.1-4. Eastern General Services Area anions in ground water treatment system influent and effluent.

Location	Date	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (as N) (mg/L)	Nitrite (as N) (mg/L)	Sulfate (mg/L)
EGSA-GWTS-E	7/5/06	140 B	0.32	3	<0.4	340
EGSA-GWTS-E	10/2/06	140 B	0.46	2.6	<0.4	350 B

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-5. Eastern General Services Area metals in ground water treatment system influent and effluent.

Location	Date	Aluminum (mg/L)	Arsenic (mg/L)	Selenium (mg/L)
EGSA-GWTS-E	7/5/06	<0.05	0.0026	0.0066 L
EGSA-GWTS-E	10/2/06	<0.05	0.0024	0.0035

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-6. Eastern General Services Area conductivity in ground water treatment system influent and effluent.

Location	Date	Specific Conductance (μmhos/cm)
EGSA-GWTS-E	7/5/06	1,600
EGSA-GWTS-E	8/2/06	1,600
EGSA-GWTS-E	9/6/06	1,600
EGSA-GWTS-E	10/2/06	1,500
EGSA-GWTS-E	11/1/06	1,600
EGSA-GWTS-E	12/4/06	1,600
EGSA-GWTS-I	7/5/06	1,600
EGSA-GWTS-I	10/2/06	1,500

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-7. Eastern General Services Area cyanide in ground water treatment system influent and effluent.

Location	Date	Cyanide (mg/L)
EGSA-GWTS-E	7/5/06	<0.02
EGSA-GWTS-E	10/2/06	<0.02

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-8. Eastern General Services Area total dissolved solids in ground water treatment system effluent.

Location	Date	Total dissolved solids (TDS) (mg/L)
EGSA-GWTS-E	7/5/06	1,100 D
EGSA-GWTS-E	10/2/06	1,100 D

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-9. Eastern General Services Area acute toxicity in ground water treatment system effluent.

Location	Date	Aq. Bioassay, Survival (Percent)
EGSA-GWTS-E	12/4/06	100

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-10. Central General Services Area VOCs in soil vapor extraction treatment system influent.

Location	Date	1,1-DCE ($ppm_{V/V}$)	cis-1,2-DCE ($ppm_{V/V}$)	PCE ($ppm_{V/V}$)	TCE ($ppm_{V/V}$)
CGSA-SVE-I	**8/1/06**	**<0.2**	**<0.2**	**<0.2**	**0.7**
CGSA-SVE-I	**9/7/06**	**<0.2**	**<0.2**	**<0.2**	**0.5**

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-11. General Services Area OU treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
EGSA GWTS			
Influent Port	TF-GSA1-I	VOCs	Quarterly
		pH	Quarterly
		Conductivity	Quarterly
		Nitrate + Nitrite	Annually
		Total Aluminum	Annually
		Total Selenium	Annually
		Total Cyanide	Annually
		Total Arsenic	Annually
		Fluoride	Annually
		Chloride	Annually
		Sulfate	Annually
Effluent Port	TF-GSA1-E	VOCs	Monthly
		pH	Monthly
		Conductivity	Monthly
		Dissolved Oxygen	Monthly
		Nitrate + Nitrite	Quarterly
		Total Aluminum	Quarterly
		Total Selenium	Quarterly
		Total Cyanide	Quarterly
		Total Arsenic	Quarterly
		Fluoride	Quarterly
		Chloride	Quarterly
		Sulfate	Quarterly
		Total Dissolved Solids	Quarterly
		Acute Toxicity	Annually
		Chronic Toxicity	Once within 5 years
		EPA Priority Pollutants	Once within 5 years

Table 2.1-11 (Cont.). General Services Area OU treatment facility sampling and analysis plan.

Sample Location	Sample Identification	Parameter	Frequency
Receiving Water Monitoring	**3SW-CHC-R1 & R2[a]**	**VOCs**	**Quarterly**
		pH	**Quarterly**
		Conductivity	**Quarterly**
		Dissolved Oxygen	**Quarterly**
		Nitrate + Nitrite	**Quarterly**
		Total Aluminum	**Quarterly**
		Total Selenium	**Quarterly**
		Total Cyanide	**Quarterly**
		Total Arsenic	**Quarterly**
		Fluoride	**Quarterly**
		Chloride	**Quarterly**
		Sulfate	**Quarterly**
		Temperature	**Quarterly**
		Hardness	**Quarterly**
		Turbidity	**Quarterly**
		Visual Observations[b]	**Monthly**
CGSA GWTS			
Influent Port	**PTU7-I**	**VOCs**	**Quarterly**
		pH	**Quarterly**
Effluent Port	**PTU7-E**	**VOCs**	**Monthly**
		pH	**Monthly**
Vapor Samples	**PTU7-CFI**	**VOCs**	**Weekly[c]**
	PTU7-CFE	**VOCs**	**Weekly[c]**
	PTU7-CF2I	**VOCs**	**Weekly[c]**
CGSA SVE System			
Influent Vapor	**TF-GSA2-IV**	**No Monitoring Requirements**	
Effluent Vapor	**TF-GSA2-EV**	**VOCs**	**Weekly[c]**
Intermediate GAC	**TF-GSA2-CF4IV**	**VOCs**	**Weekly[c]**

Notes:

One duplicate and one blank (given fictitious labels) shall be taken for every 12 samples.

[a] **Samples are to be collected at R1 (100 ft upstream) and R2 (100 ft downstream) when water is flowing from sources other than the treatment system.**

[b] **Floating or suspended matter, discoloration, bottom deposits, aquatic life, visible films / sheens, fungi / slimes / growths, potential nuisance conditions, and flow conditions.**

[c] **Weekly monitoring for VOCs will consist of the use of a flame-ionization detector, photo-ionization detector, or other District-approved VOC detection device.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-12. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35A-01	MWPT	Qal	B	CGSA CMP	E200.7:Cd	2	NA	Next sample required 2ndQ 2007.
W-35A-01	MWPT	Qal	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.
W-35A-01	MWPT	Qal		DIS	E601	1	Y	
W-35A-01	MWPT	Qal	S	CGSA CMP	E601	2	Y	
W-35A-01	MWPT	Qal		DIS	E601	3	Y	
W-35A-01	MWPT	Qal	S	CGSA CMP	E601	4	Y	
W-35A-02	MWPT	Qal	B	CGSA CMP	E200.7:Zn	2	NA	Next sample required 2ndQ 2007.
W-35A-02	MWPT	Qal	S	CGSA CMP	E601	2	Y	
W-35A-02	MWPT	Qal	S	CGSA CMP	E601	4	Y	
W-35A-03	MWPT	Qal	S	CGSA CMP	E601	2	Y	
W-35A-03	MWPT	Qal	S	CGSA CMP	E601	4	Y	
W-35A-04	MWPT	Qal	B	CMP/WGMG	E200.7:Cu	2	NA	Next sample required 2ndQ 2007.
W-35A-04	MWPT	Qal	S	CMP/WGMG	E601	2	Y	
W-35A-04	MWPT	Qal	S	CMP/WGMG	E601	4	Y	
W-35A-04	MWPT	Qal		WGMG	E502.2	3	Y	
W-35A-05	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.
W-35A-05	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-35A-05	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-35A-06	MWPT	Qal	S	CGSA CMP	E601	2	Y	
W-35A-06	MWPT	Qal	S	CGSA CMP	E601	4	Y	
W-35A-07	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-35A-07	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-35A-08	GW	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-35A-08	GW	$Tnbs_2$		DIS	E601	3	Y	
W-35A-08	GW	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-35A-09	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-35A-09	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-35A-10	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-35A-10	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-35A-11	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-35A-11	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-35A-12	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-35A-12	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-35A-13	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-35A-13	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-35A-14	GW	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-35A-14	GW	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-35A-14	GW	$Tnbs_2$	S	DIS	E601	3	Y	
W-7A	MWPT	$Tnbs_1$	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.
W-7A	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-7A	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	

Table 2.1-12. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-7B	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7B	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7C	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7C	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7E	MWPT	Tnbs$_1$	S	CMP/WGMG	E601	2	Y	
W-7E	MWPT	Tnbs$_1$	S	CMP/WGMG	E601	4	Y	
W-7ES	MWPT	Qal	S	CMP/WGMG	E601	1	Y	
W-7ES	MWPT	Qal	S	CMP/WGMG	E601	3	Y	
W-7F	MWPT	Tnsc$_1$	S	CGSA CMP	E601	2	Y	
W-7F	MWPT	Tnsc$_1$	S	CGSA CMP	E601	4	Y	
W-7G	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7G	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7H	MWPT	Qal	S	CGSA CMP	E601	2	Y	
W-7H	MWPT	Qal	S	CGSA CMP	E601	4	Y	
W-71	EW	Tnbs$_2$	B	CMP-TF	E245.2	4	Y	CGSA extraction well. Next sample required 4ndQ 2006.
W-7I	EW	Tnbs$_2$	S	CMP-TF	E601	1	Y	CGSA extraction well.
W-7I	EW	Tnbs$_2$	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-7J	MWPT	Tnbs$_2$	S	CGSA CMP	E601	2	Y	
W-7J	MWPT	Tnbs$_2$	S	CGSA CMP	E601	4	Y	
W-7K	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7K	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7L	MWPT	Tnbs$_1$	B	CGSA CMP	E200.7:Cu	2	NA	Next sample required 2ndQ 2007.
W-7L	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7L	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7M	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7M	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7N	MWPT	Tnbs$_1$	B	CGSA CMP	E245.2	2	NA	Next sample required 2ndQ 2007.
W-7N	MWPT	Tnbs$_1$	S	CGSA CMP	E601	2	Y	
W-7N	MWPT	Tnbs$_1$	S	CGSA CMP	E601	4	Y	
W-7O	EW	Qal	B	CMP-TF	E200.7:Cu	2	NA	CGSA extraction well. Next sample required 2ndQ 2007.
W-7O	EW	Qal	B	CMP-TF	E200.7:Zn	2	NA	CGSA extraction well. Next sample required 2ndQ 2007.
W-7O	EW	Qal	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-7O	EW	Qal	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-7P	EW	Tnbs$_1$	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-7P	EW	Tnbs$_1$	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-7PS	MWPT	Qal	Q	CMP/WGMG	E601	1	Y	
W-7PS	MWPT	Qal	Q	CMP/WGMG	E601	2	Y	
W-7PS	MWPT	Qal	Q	CMP/WGMG	E601	3	Y	
W-7PS	MWPT	Qal	Q	CMP/WGMG	E601	4	Y	
W-7Q	MWPT	Tnbs$_2$		DIS	E601	1	Y	

Table 2.1-12. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-7Q	MWPT	$Tnbs_2$		DIS	E601	2	Y	
W-7Q	MWPT	$Tnbs_2$		DIS	E601	3	Y	
W-7Q	MWPT	$Tnbs_2$		DIS	E601	4	Y	
W-7R	EW	Qal	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-7R	EW	Qal	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-7S	MWPT	Qal		DIS	E601	1	Y	
W-7S	MWPT	Qal		DIS	E601	2	Y	
W-7S	MWPT	Qal		DIS	E601	3	Y	
W-7S	MWPT	Qal		DIS	E601	4	Y	
W-7T	MWPT	Qal		DIS	E601	1	Y	
W-7T	MWPT	Qal		DIS	E601	2	Y	
W-7T	MWPT	Qal		DIS	E601	3	Y	
W-7T	MWPT	Qal		DIS	E601	4	Y	
W-843-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-843-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-843-02	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-843-02	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-872-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cu	2	NA	Next sample required 2ndQ 2007.
W-872-01	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.
W-872-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-872-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-872-02	EW	$Tnbs_2$	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-872-02	EW	$Tnbs_2$	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-873-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-873-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-873-02	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-873-02	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-873-03	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-873-03	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-873-04	MWPT	$Tnsc_1$	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.
W-873-04	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-873-04	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-873-06	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cd	2	NA	Next sample required 2ndQ 2007.
W-873-06	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-873-06	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-873-07	EW	$Tnbs_2$	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-873-07	EW	$Tnbs_2$	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cd	2	NA	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cu	2	NA	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Zn	2	NA	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.

Table 2.1-12. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-875-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-875-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-875-02	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-875-02	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-875-03	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	Dry.
W-875-03	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-875-04	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	NA	Next sample required 2ndQ 2007.
W-875-04	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-875-04	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-875-05	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-875-05	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-875-06	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-875-06	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-875-07	EW	$Tnbs_2$	B	CMP-TF	E239.2	2	NA	CGSA extraction well. Next sample required 2ndQ 2007.
W-875-07	EW	$Tnbs_2$	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-875-07	EW	$Tnbs_2$	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-875-08	EW	$Tnbs_2$	S	CMP-TF	E601	2	Y	CGSA extraction well.
W-875-08	EW	$Tnbs_2$	S	CMP-TF	E601	4	Y	CGSA extraction well.
W-875-09	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	CGSA extraction well. Insufficient water.
W-875-09	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	N	CGSA extraction well. Insufficient water.
W-875-10	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Ba	2	N	Insufficient water. Next sample required 2ndQ 2008.
W-875-10	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	N	Insufficient water. Next sample required 2ndQ 2008.
W-875-10	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	CGSA extraction well. Insufficient water.
W-875-10	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	N	CGSA extraction well. Insufficient water.
W-875-11	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	CGSA extraction well. Insufficient water.
W-875-11	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	N	CGSA extraction well. Insufficient water.
W-875-15	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	CGSA extraction well. Insufficient water.
W-875-15	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	N	CGSA extraction well. Insufficient water.
W-876-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-876-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-879-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-879-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-889-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-889-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-CGSA-1732	MWPT	Qal		DIS	E601	1	N	Dry.
W-CGSA-1733	MWPT	Qal		DIS	E601	1	Y	

Table 2.1-12. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-CGSA-1733	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1733	MWPT	Qal		DIS	E601	3	Y	
W-CGSA-1733	MWPT	Qal		DIS	E601	4	Y	
W-CGSA-1735	MWPT	Qal		DIS	E601	1	N	Dry.
W-CGSA-1736	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1736	MWPT	Qal		DIS	E601	4	Y	
W-CGSA-1737	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1737	MWPT	Qal		DIS	E601	4	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	1	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	3	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	4	Y	

Notes:

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-13. Eastern General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CDF-1	MWPT	Qal-$Tnsc_0$		WGMG	E502.2	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$		WGMG	E502.2	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$		WGMG	E502.2	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$		WGMG	E502.2	4	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$		WGMG	E502.2	1	Y	
CON-1	MWPT	$Tnsc_0$		WGMG	E502.2	2	Y	
CON-1	MWPT	$Tnsc_0$		WGMG	E502.2	3	Y	
CON-1	MWPT	$Tnsc_0$		WGMG	E502.2	4	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	1	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	2	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	3	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	4	Y	
W-24P-03	MWPT	Qal	Q	CMP	E601	1	Y	
W-24P-03	MWPT	Qal		DIS	E601	2	Y	
W-24P-03	MWPT	Qal	Q	CMP	E601	2	Y	

Table 2.1-13. Eastern General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-24P-03	MWPT	Qal	Q	CMP	E601	3	Y	
W-24P-03	MWPT	Qal	Q	CMP	E601	4	Y	
W-25D-01	MWPT	Qal	S	CMP	E601	2	Y	
W-25D-01	MWPT	Qal	S	CMP	E601	4	Y	
W-25D-02	MWPT	Qal	S	CMP	E601	2	Y	
W-25D-02	MWPT	Qal	S	CMP	E601	4	Y	
W-25M-01	MWPT	Qal		DIS	E300.0:PERC	2	Y	
W-25M-01	MWPT	Qal		DIS	E300.0:PERC	4	Y	
W-25M-01	MWPT	Qal	S	CMP	E601	2	Y	
W-25M-01	MWPT	Qal	S	CMP	E601	4	Y	
W-25M-01	MWPT	Qal		DIS	E8330:R+H	2	Y	
W-25M-01	MWPT	Qal		DIS	E8330:R+H	4	Y	
W-25M-01	MWPT	Qal		DIS	NUTRIENTS	2	Y	
W-25M-01	MWPT	Qal		DIS	NUTRIENTS	4	Y	
W-25M-02	MWPT	Qal	S	CMP	E601	2	Y	
W-25M-02	MWPT	Qal	S	CMP	E601	4	Y	
W-25M-03	MWPT	Qal	S	CMP	E601	2	Y	
W-25M-03	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-01	EW	Qal	S	CMP-TF	E601	2	Y	EGSA extraction well.
W-25N-01	EW	Qal	S	CMP-TF	E601	4	Y	EGSA extraction well.
W-25N-04	MWPT	Tmss		DIS	ANIONS	2	Y	
W-25N-04	MWPT	Tmss		DIS	ANIONS	4	Y	
W-25N-04	MWPT	Tmss		DIS	E200.7:Ba	2	Y	
W-25N-04	MWPT	Tmss		DIS	E200.7:Ba	4	Y	
W-25N-04	MWPT	Tmss		DIS	E300.0:PERC	2	Y	
W-25N-04	MWPT	Tmss		DIS	E300.0:PERC	4	Y	
W-25N-04	MWPT	Tmss		DIS	E350.2	2	Y	
W-25N-04	MWPT	Tmss		DIS	E350.2	4	Y	
W-25N-04	MWPT	Tmss	S	CMP	E601	2	Y	
W-25N-04	MWPT	Tmss	S	CMP	E601	4	Y	
W-25N-05	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-05	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-06	MWPT	Qal	S	CMP	E601	2	Y	
W-25N-06	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-07	GW	Qal	Q	CMP	E601	1	Y	
W-25N-07	GW	Qal	Q	CMP	E601	2	Y	
W-25N-07	GW	Qal	Q	CMP	E601	3	Y	
W-25N-07	GW	Qal	Q	CMP	E601	4	Y	
W-25N-08	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	

Table 2.1-13. Eastern General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-25N-08	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-09	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-09	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-10	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-10	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-10	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-10	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-11	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-11	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-11	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-11	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-12	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-12	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-12	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-12	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-13	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-13	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-13	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-13	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-15	MWPT	Qal	S	CMP	E601	2	Y	
W-25N-15	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-18	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-18	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-20	MWPT	Qal	S	CMP	E601	2	Y	
W-25N-20	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-21	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-21	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-22	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-22	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-23	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-23	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-24	EW	Qal	S	CMP-TF	E601	2	Y	EGSA extraction well.
W-25N-24	EW	Qal	S	CMP-TF	E601	4	Y	EGSA extraction well.
W-25N-25	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-25	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-26	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-26	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-28	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-28	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	

Table 2.1-13. Eastern General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-26R-01	MWPT	$Tnbs_1$		WGMG	E601	1	Y	
W-26R-01	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	2	Y	
W-26R-01	MWPT	$Tnbs_1$		WGMG	E601	3	Y	
W-26R-01	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	4	Y	
W-26R-02	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-02	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-03	EW	Qal	S	CMP-TF	E601	2	Y	EGSA extraction well.
W-26R-03	EW	Qal	S	CMP-TF	E601	4	Y	EGSA extraction well.
W-26R-04	MWPT	Qal		DIS	E601	1	Y	
W-26R-04	MWPT	Qal	S	CMP	E601	2	Y	
W-26R-04	MWPT	Qal		DIS	E601	3	Y	
W-26R-04	MWPT	Qal	S	CMP	E601	4	Y	
W-26R-05	MWPT	Qal		WGMG	E601	1	Y	
W-26R-05	MWPT	Qal	S	CMP/WGMG	E601	2	Y	
W-26R-05	MWPT	Qal		WGMG	E601	3	Y	
W-26R-05	MWPT	Qal	S	CMP/WGMG	E601	4	Y	
W-26R-06	MWPT	$Tnbs_1$		DIS	E601	1	Y	
W-26R-06	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-06	MWPT	$Tnbs_1$		DIS	E601	3	Y	
W-26R-06	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-07	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-07	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-08	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-08	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-11	MWPT	Qal		DIS	E601	1	Y	
W-26R-11	MWPT	Qal	S	CMP	E601	2	Y	
W-26R-11	MWPT	Qal	S	CMP	E601	4	Y	
W-7D	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-7D	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-7DS	MWPT	Qal		WGMG	E601	1	Y	
W-7DS	MWPT	Qal	S	CMP/WGMG	E601	2	Y	
W-7DS	MWPT	Qal		WGMG	E601	3	Y	
W-7DS	MWPT	Qal	S	CMP/WGMG	E601	4	Y	

Notes:

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.1-14. Central General Services Area (CGSA) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
CGSA	July	50	38	NA	NA	NA	NA
	August	95	33	NA	NA	NA	NA
	September	51	26	NA	NA	NA	NA
	October	53	32	NA	NA	NA	NA
	November	58	25	NA	NA	NA	NA
	December	43	24	NA	NA	NA	NA
Total		350	180	NA	NA	NA	NA

Table 2.1-15. Eastern General Services Area (EGSA) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
EGSA	July	NA	15	NA	NA	NA	NA
	August	NA	12	NA	NA	NA	NA
	September	NA	12	NA	NA	NA	NA
	October	NA	15	NA	NA	NA	NA
	November	NA	10	NA	NA	NA	NA
	December	NA	12	NA	NA	NA	NA
Total		NA	77	NA	NA	NA	NA

Table 2.2-1. Building 834 (834) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
834	July	677	677	4,229	12,795
	August	669	669	4,072	10,846
	September	719	719	4,362	10,750
	October	798	798	4,984	10,945
	November	597	597	3,856	7,769
	December	333	333	2,086	4,300
Total		3,793	3,793	23,589	57,405

Table 2.2-2. Building 834 OU VOCs in ground water extraction treatment system influent and effluent.

Location	Date	TCE (μg/L)	PCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	Carbon tetra-chloride (μg/L)	Chloro-form (μg/L)	1,1-DCA (μg/L)	1,2-DCA (μg/L)	1,1-DCE (μg/L)	1,1,1-TCA (μg/L)	1,1,2-TCA (μg/L)	Freon 11 (μg/L)	Freon 113 (μg/L)	Vinyl chloride (μg/L)
834-GWTS-E	7/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
834-GWTS-E	8/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
834-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
834-GWTS-E	10/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
834-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
834-GWTS-E	12/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
834-GWTS-I	7/6/06	6,000 D	35 D	310 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
834-GWTS-I	10/2/06	3,900 D	39	450 D	<25 D	<0.5	0.82	<0.5	<0.5	1.3	<0.5	1.5	1.1	<0.5	<0.5

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-2 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency	1,2-Dichloroethene (total) (μg/L)
834-GWTS-E	7/6/06	0 of 18	-
834-GWTS-E	8/1/06	0 of 18	-
834-GWTS-E	9/6/06	0 of 18	-
834-GWTS-E	10/2/06	0 of 18	-
834-GWTS-E	11/1/06	0 of 18	-
834-GWTS-E	12/6/06	0 of 18	-
834-GWTS-I	7/6/06	1 of 18	310 D
834-GWTS-I	10/2/06	1 of 18	450 D

Table 2.2-3. Building 834 OU nitrate in ground water extraction treatment system influent and effluent.

Location	Date	Nitrate (as NO3) (mg/L)
834-GWTS-E	7/6/06	91
834-GWTS-E	8/1/06	79
834-GWTS-E	9/6/06	85
834-GWTS-E	10/2/06	79
834-GWTS-E	11/1/06	77 D
834-GWTS-E	12/6/06	75
834-GWTS-I	7/6/06	84
834-GWTS-I	10/2/06	86

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-4. Building 834 OU diesel range organic compounds in ground water extraction treatment system influent and effluent.

Location	Date	Diesel Range Organic Compounds (C12-C24) (μg/L)
834-GWTS-E	7/6/06	<200
834-GWTS-E	8/1/06	<200 D
834-GWTS-E	9/6/06	<200 D
834-GWTS-E	10/2/06	<200
834-GWTS-E	11/1/06	<200
834-GWTS-E	12/6/06	<200
834-GWTS-I	7/6/06	12,000 D
834-GWTS-I	10/2/06	<200

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-5. Building 834 OU tetrabutyl orthosilicate (TBOS) in ground water extraction treatment system influent and effluent.

Location	Date	TBOS (μg/L)
834-GWTS-E	7/6/06	<10
834-GWTS-E	8/1/06	<10 D
834-GWTS-E	9/6/06	<10
834-GWTS-E	10/2/06	<10
834-GWTS-E	11/1/06	<1 DO
834-GWTS-E	12/6/06	<10
834-GWTS-I	7/6/06	28
834-GWTS-I	10/2/06	10

Notes:
See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-6. Building 834 OU treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
834 GWTS			
Influent Port	**TF-834-I**	**VOCs**	**Quarterly**
		TBOS	**Quarterly**
		Diesel	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**TF-834-E**	**VOCs**	**Monthly**
		TBOS	**Monthly**
		Diesel	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
834 SVE			
Influent Port	**TF-834-VI**	**No Monitoring Requirements**	
Effluent Port	**TF-834-VE**	**VOCs**	**Weekly[a]**
Intermediate GAC	**TF-834-VCF4I**	**VOCs**	**Weekly[a]**

Notes:

One duplicate and one blank (given fictitious labels) shall be taken for every 12 samples.

[a] **Weekly monitoring for VOCs will consist of the use of a flame-ionization detector, photo-ionization detector, or other District-approved VOC detection device.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-1709	MWPT	Tpsg		DIS	E300.0:PERC	3	Y	
W-834-1709	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-1709	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-1709	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1709	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-1711	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-834-1711	MWPT	Tps	S	CMP	E601	1	Y	
W-834-1711	MWPT	Tps		DIS	DMETALS	3	Y	
W-834-1711	MWPT	Tps		DIS	E601	2	Y	
W-834-1711	MWPT	Tps	S	CMP	E601	3	Y	
W-834-1711	MWPT	Tps	A	CMP	TBOS	1	Y	
W-834-1824	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-1824	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-1824	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1824	MWPT	Tpsg	A	DIS	TBOS	1	Y	
W-834-1825	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-1825	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-1825	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1825	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-1833	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-1833	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-1833	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1833	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-2001	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-2001	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-2001	EW	Tpsg	S	CMP-TF	E624	3	Y	B834 extraction well.
W-834-2001	EW	Tpsg		DIS-TF	E300.0:PERC	3	Y	B834 extraction well.
W-834-2001	EW	Tpsg		DIS-TF	EM8015:DIESEL	3	Y	B834 extraction well.
W-834-2001	EW	Tpsg		DIS-TF	DMETALS	3	Y	B834 extraction well.
W-834-2001	EW	Tpsg	A	CMP-TF	EM8015:DIESEL	1	Y	B834 extraction well.
W-834-2001	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-2113	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-2113	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-2113	MWPT	Tpsg		DIS	E624	2	Y	
W-834-2113	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-2113	MWPT	Tpsg		DIS	E624	4	Y	
W-834-2113	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-2113	MWPT	Tpsg		DIS	TBOS	2	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-2113	MWPT	Tpsg		DIS	TBOS	3	Y	
W-834-2117	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-2117	MWPT	Tpsg		DIS	E300.0:PERC	1	Y	
W-834-2117	MWPT	Tpsg		DIS	E300.0:PERC	2	Y	
W-834-2117	MWPT	Tpsg		DIS	E300.0:PERC	3	Y	
W-834-2117	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-2117	MWPT	Tpsg		DIS	E624	2	Y	
W-834-2117	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-2117	MWPT	Tpsg		DIS	E624	4	Y	
W-834-2117	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-2118	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-2118	MWPT	Tpsg		DIS	E300.0:PERC	1	Y	
W-834-2118	MWPT	Tpsg		DIS	E300.0:PERC	2	Y	
W-834-2118	MWPT	Tpsg		DIS	E300.0:PERC	3	Y	
W-834-2118	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-2118	MWPT	Tpsg		DIS	E624	2	Y	
W-834-2118	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-2118	MWPT	Tpsg		DIS	E624	4	Y	
W-834-2118	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-2119	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-2119	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-2119	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-2119	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-A1	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-834-A1	MWPT	Tps	S	CMP	E601	1	Y	
W-834-A1	MWPT	Tps	S	CMP	E624	3	Y	
W-834-A1	MWPT	Tps	A	CMP	EM8015:DIESEL	1	Y	
W-834-A1	MWPT	Tps	A	CMP	TBOS	1	Y	
W-834-A2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-A2	MWPT	Tpsg	S	CMP	E601	1	N	Insufficient water.
W-834-A2	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-A2	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-A2	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-B2	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-B2	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-B2	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-B2	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-B3	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-B3	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-B3	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-B3	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-B4	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-B4	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-B4	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-B4	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-C2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-C2	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-C2	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-C2	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-C4	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-C4	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-C4	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-C4	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-C5	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-C5	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-C5	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-C5	MWPT	Tpsg		DIS	E8330:R+H	1	Y	
W-834-C5	MWPT	Tpsg		DIS	EM8015:DIESEL	1	Y	
W-834-C5	MWPT	Tpsg		DIS	GENMIN	1	Y	
W-834-C5	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D10	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-834-D10	MWPT	Tps	S	CMP	E624	1	Y	
W-834-D10	MWPT	Tps	S	CMP	E624	3	Y	
W-834-D10	MWPT	Tps	A	CMP	EM8015:DIESEL	1	Y	
W-834-D10	MWPT	Tps	A	CMP	TBOS	1	Y	
W-834-D11	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-D11	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-D11	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D11	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-D11	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-D12	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-D12	EW	Tpsg	S	CMP-TF	E624	1	Y	B834 extraction well.
W-834-D12	EW	Tpsg	S	CMP-TF	E624	3	Y	B834 extraction well.
W-834-D12	EW	Tpsg	A	CMP-TF	EM8015:DIESEL	1	Y	B834 extraction well.
W-834-D12	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-D12	EW	Tpsg		DIS-TF	TBOS	3	Y	B834 extraction well.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-D13	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-D13	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-D13	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-D13	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-D13	EW	Tpsg		DIS-TF	TBOS	3	Y	B834 extraction well.
W-834-D14	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-D14	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-D14	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D14	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-D15	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-D15	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-D15	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D15	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D16	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D16	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-D16	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-D16	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-D16	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-D17	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D17	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-D17	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-D17	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-D17	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-D18	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-D18	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-D18	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D18	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D2	MWPT	Tnbs1	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D2	MWPT	Tnbs1	A	CMP	E601	1	N	Dry.
W-834-D2	MWPT	Tnbs1	A	CMP	TBOS	1	N	Dry.
W-834-D3	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-D3	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-D3	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D3	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D3	MWPT	Tpsg		DIS	TBOS	3	Y	
W-834-D4	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-D4	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-D4	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-D4	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-D4	EW	Tpsg		DIS-TF	TBOS	3	Y	B834 extraction well.
W-834-D5	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-D5	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-D5	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-D5	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-D5	EW	Tpsg		DIS-TF	TBOS	3	Y	B834 extraction well.
W-834-D6	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-D6	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-D6	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-D6	EW	Tpsg		DIS	EM8015:DIESEL	1	Y	B834 extraction well.
W-834-D6	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-D6	EW	Tpsg		DIS-TF	TBOS	3	Y	B834 extraction well.
W-834-D7	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-D7	EW	Tpsg	S	CMP-TF	E624	1	Y	B834 extraction well.
W-834-D7	EW	Tpsg	S	CMP-TF	E624	3	Y	B834 extraction well.
W-834-D7	EW	Tpsg	A	CMP-TF	EM8015:DIESEL	1	Y	B834 extraction well.
W-834-D7	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-D9A	MWPT	Tnbs2	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D9A	MWPT	Tnbs2	A	CMP	E601	1	N	Dry.
W-834-D9A	MWPT	Tnbs2	A	CMP	TBOS	1	N	Dry.
W-834-G3	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-G3	MWPT	Tpsg	A	CMP	E601	1	N	Dry.
W-834-G3	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-H2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-H2	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-H2	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-H2	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-J1	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-J1	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-J1	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-J1	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-J2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-J2	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-J2	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-J2	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-J3	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-J3	MWPT	Tpsg	S	CMP	E601	1	N	Dry.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-J3	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-J3	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-K1A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-K1A	MWPT	Tpsg	S	CMP	E601	1	N	Insufficient water.
W-834-K1A	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-K1A	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-K1A	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-M1	MWPT	Tpsg		DIS	E218.2	1	Y	
W-834-M1	MWPT	Tpsg		DIS	E218.2	3	Y	
W-834-M1	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-M1	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-M1	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-M1	MWPT	Tpsg		DIS	GENMIN	1	Y	
W-834-M1	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-M2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-M2	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-M2	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-M2	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S1	EW	Tpsg		DIS	E218.2	1	Y	B834 extraction well.
W-834-S1	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-S1	EW	Tpsg	S	CMP-TF	E624	1	Y	B834 extraction well.
W-834-S1	EW	Tpsg	S	CMP-TF	E624	3	Y	B834 extraction well.
W-834-S1	EW	Tpsg	A	CMP-TF	EM8015:DIESEL	1	Y	B834 extraction well.
W-834-S1	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-S1	EW	Tpsg		DIS-TF	TBOS	3	Y	B834 extraction well.
W-834-S10	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S10	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-S10	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-S10	MWPT	Tpsg		DIS	EM8015:DIESEL	1	N	Dry.
W-834-S10	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S12A	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-S12A	EW	Tpsg	S	CMP-TF	E624	1	Y	B834 extraction well.
W-834-S12A	EW	Tpsg	S	CMP-TF	E624	3	Y	B834 extraction well.
W-834-S12A	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.
W-834-S13	EW	Tpsg	A	CMP-TF	E300.0:NO3	1	Y	B834 extraction well.
W-834-S13	EW	Tpsg	S	CMP-TF	E601	1	Y	B834 extraction well.
W-834-S13	EW	Tpsg	S	CMP-TF	E601	3	Y	B834 extraction well.
W-834-S13	EW	Tpsg	A	CMP-TF	TBOS	1	Y	B834 extraction well.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-S4	MWPT	Tpsg		DIS	E218.2	1	Y	
W-834-S4	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S4	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-S4	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S4	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S5	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S5	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-S5	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-S5	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S6	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S6	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-S6	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S6	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S7	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S7	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-S7	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S7	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S8	MWPT	Tnsc2	A	CMP	E300.0:NO3	1	Y	
W-834-S8	MWPT	Tnsc2	S	CMP	E601	1	Y	
W-834-S8	MWPT	Tnsc2	S	CMP	E624	3	Y	
W-834-S8	MWPT	Tnsc2	A	CMP	EM8015:DIESEL	1	Y	
W-834-S8	MWPT	Tnsc2	A	CMP	TBOS	1	Y	
W-834-S9	MWPT	Tnsc2		DIS	E218.2	1	Y	
W-834-S9	MWPT	Tnsc2	A	CMP	E300.0:NO3	1	Y	
W-834-S9	MWPT	Tnsc2	S	CMP	E601	1	Y	
W-834-S9	MWPT	Tnsc2	S	CMP	E624	3	Y	
W-834-S9	MWPT	Tnsc2	A	CMP	EM8015:DIESEL	1	Y	
W-834-S9	MWPT	Tnsc2	A	CMP	TBOS	1	Y	
W-834-T1	GW	Tnbs1	S	CMP	E300.0:NO3	1	N	Dry.
W-834-T1	GW	Tnbs1	S	CMP	E300.0:NO3	3	Y	
W-834-T1	GW	Tnbs1	Q	CMP	E601	1	N	Dry.
W-834-T1	GW	Tnbs1	Q	CMP	E601	2	Y	
W-834-T1	GW	Tnbs1	Q	CMP	E601	3	Y	
W-834-T1	GW	Tnbs1	Q	CMP	E601	4	Y	
W-834-T1	GW	Tnbs1	S	CMP	TBOS	1	N	Dry.
W-834-T1	GW	Tnbs1	S	CMP	TBOS	3	Y	
W-834-T11	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T11	MWPT	Tpsg	S	CMP	E601	1	N	Dry.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-T11	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T11	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-T2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-T2	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-T2	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T2	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-T2A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-T2A	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-T2A	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T2A	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-T2B	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T2B	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T2B	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T2B	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-T2C	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T2C	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T2C	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T2C	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-T2D	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-T2D	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-T2D	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T2D	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-T3	GW	Tnbs1	S	CMP	E300.0:NO3	1	Y	
W-834-T3	GW	Tnbs1	S	CMP	E300.0:NO3	3	Y	
W-834-T3	GW	Tnbs1	Q	CMP	E601	1	Y	
W-834-T3	GW	Tnbs1	Q	CMP	E601	2	Y	
W-834-T3	GW	Tnbs1	Q	CMP	E601	3	Y	
W-834-T3	GW	Tnbs1	Q	CMP	E601	4	Y	
W-834-T3	GW	Tnbs1	S	CMP	TBOS	1	Y	
W-834-T3	GW	Tnbs1	S	CMP	TBOS	3	Y	
W-834-T5	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-T5	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-T5	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T5	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-T7A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-T7A	MWPT	Tpsg	S	CMP	E601	1	Y	
W-834-T7A	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T7A	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-T8A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T8A	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T8A	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T8A	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-T9	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T9	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T9	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T9	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-U1	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-834-U1	MWPT	Tps	S	CMP	E601	1	Y	
W-834-U1	MWPT	Tps	S	CMP	E624	3	Y	
W-834-U1	MWPT	Tps	A	CMP	EM8015:DIESEL	1	Y	
W-834-U1	MWPT	Tps	A	CMP	TBOS	1	Y	

Notes:

Building 834 primary COC: VOCs (E601, 502.2, or E624).

Building 834 secondary COC: Nitrate (E300.0:NO3).

Building 834 secondary COC: TBOS/TKEBS.

Building 834 secondary COC: Diesel.

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-8. Building 834 (834) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
834	July	1,300	330	NA	3.3	NA	5.1
	August	1,300	260	NA	3.0	NA	4.1
	September	1,400	250	NA	3.0	NA	4.0
	October	3,700	210	NA	3.1	NA	4.0
	November	2,800	140	NA	2.2	NA	3.0
	December	1,600	78	NA	1.2	NA	1.6
Total		12,000	1,300	NA	16	NA	22

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
BC6-10	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
BC6-10	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
BC6-10	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
BC6-10	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
BC6-10	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
BC6-10	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:NO3	1	N	Dry.
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:PERC	1	N	Dry.
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	CMP	E601	1	N	Dry.
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	CMP	E906	1	N	Dry.
CARNRW1	WS	$Tnbs_1/Tmss$		WGMG	624	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E601	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E601	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E601	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	CMP/WGMG	E601	2	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW1	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW1	WS	$Tnbs_1$/Tmss		WGMG	E624	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss		WGMG	E502.2	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss		WGMG	E502.2	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss		WGMG	E502.2	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	4	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:NO3	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E300.0:PERC	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E601	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	1	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	2	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	3	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	4	Y	
CARNRW3	WS	$Tnbs_1$/Tmss	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:NO3	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E300.0:PERC	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E601	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	1	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	2	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW4	WS	Qal/Tts	M	CMP	E906	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	4	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	1	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	2	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	3	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	4	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	1	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	2	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	3	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	4	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E624	1	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E624	2	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E624	3	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E624	4	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E906	1	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E906	2	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E906	3	Y	
EP6-06*	DMW	$Qt/Tnbs_1$		WGMG	E906	4	Y	
EP6-07	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
EP6-07	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
EP6-07	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
EP6-07	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
EP6-07	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
EP6-07	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
EP6-08*	DMW	$Tnbs_1$		WGMG	E906	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
EP6-08*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
EP6-09*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K6-01**	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K6-01**	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K6-01**	DMW	$Tnbs_1$		WGMG	E601	1	Y	
K6-01**	DMW	$Tnbs_1$		WGMG	E601	3	Y	
K6-01**	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K6-01**	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E624	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E624	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E624	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E624	4	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E906	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E906	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E906	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		WGMG	E906	4	Y	
K6-03	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	1	Y	
K6-03	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:PERC	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	1	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	3	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	1	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	3	Y	
K6-04	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-04	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-14	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-14	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-15	MWPT	$Qt/Tnbs_1$	A	CMP/WGMG	E300.0:NO3	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	A	CMP/WGMG	E300.0:PERC	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E601	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E601	3	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E906	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E906	3	N	Dry.
K6-16	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E601	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E601	3	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E906	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E906	3	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	1	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	2	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	3	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	4	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	1	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	2	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	3	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	4	Y	
K6-18	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:NO3	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-18	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E601	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E601	3	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E906	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E906	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E624	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E624	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E624	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E624	4	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E906	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E906	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E906	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		WGMG	E906	4	Y	
K6-21	MWPT	Qt	A	CMP	E300.0:NO3	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E300.0:PERC	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E601	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E906	1	N	Dry.
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	1	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	2	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	3	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	4	Y	
K6-23	MWPT	Tmss	A	CMP	E300.0:NO3	1	Y	
K6-23	MWPT	Tmss	A	CMP	E300.0:PERC	1	Y	
K6-23	MWPT	Tmss	S	CMP	E601	1	Y	
K6-23	MWPT	Tmss	S	CMP	E601	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-23	MWPT	Tmss	S	CMP	E906	1	Y	
K6-23	MWPT	Tmss	S	CMP	E906	3	Y	
K6-24	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-24	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-25	MWPT	Tmss	A	CMP	E300.0:NO3	1	Y	
K6-25	MWPT	Tmss	A	CMP	E300.0:PERC	1	Y	
K6-25	MWPT	Tmss	S	CMP	E601	1	Y	
K6-25	MWPT	Tmss	S	CMP	E601	3	Y	
K6-25	MWPT	Tmss	S	CMP	E906	1	Y	
K6-25	MWPT	Tmss	S	CMP	E906	3	Y	
K6-26	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-26	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-27	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-27	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-32	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	1	Y	
K6-32	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:PERC	1	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	1	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	3	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	1	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	3	Y	
K6-33	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-33	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	1	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	2	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	3	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	4	Y	
K6-35	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-35	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	N	Dry.
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	N	Dry.
K6-36*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E624	4	N	Dry.
K6-36*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K6-36*	DMW	$Tnbs_1$		WGMG	E906	4	N	Dry.
SPRING8	SPR	Qt		DIS	DMETALS	4	Y	
SPRING8	SPR	Qt		DIS	E210.2	4	Y	
SPRING8	SPR	Qt		DIS	E300.0:PERC	4	Y	
SPRING8	SPR	Qt		DIS	E601	4	Y	
SPRING8	SPR	Qt		DIS	E8330:R+H	4	Y	
SPRING8	SPR	Qt		DIS	E906	4	Y	
SPRING15	SPR	Qt	A	CMP	E300.0:NO3	1	N	Dry.
SPRING15	SPR	Qt	A	CMP	E300.0:PERC	1	N	Dry.
SPRING15	SPR	Qt	A	CMP	E601	1	N	Dry.
SPRING15	SPR	Qt	A	CMP	E906	1	N	Dry.

Table 2.3-1. Pit 6 Landfill OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-33C-01	MWPT	Tts	A	CMP	E300.0:NO3	1	Y	
W-33C-01	MWPT	Tts	A	CMP	E300.0:PERC	1	Y	
W-33C-01	MWPT	Tts	S	CMP	E601	1	Y	
W-33C-01	MWPT	Tts	S	CMP	E601	3	Y	
W-33C-01	MWPT	Tts	S	CMP	E906	1	Y	
W-33C-01	MWPT	Tts	S	CMP	E906	3	Y	
W-34-01	MWB	$Tnsc_1$		DIS	E300.0:NO3	1	Y	
W-34-01	MWB	$Tnsc_1$		DIS	E300.0:PERC	1	Y	
W-34-01	MWB	$Tnsc_1$		DIS	E601	1	Y	
W-34-01	MWB	$Tnsc_1$		DIS	E906	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		DIS	E300.0:NO3	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		DIS	E300.0:PERC	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		DIS	E601	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		DIS	E906	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E906	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E906	2	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E906	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	CMP	E906	4	Y	

Notes:

*** = Non CMP well. DWM Analytes and sampling frequency are specified in the Pit 6 Landfill Post-Closure Plan.**

**** = K6-01 to be sampled quarterly if K6-01S is dry.**

Pit 6 primary COC: VOCs (E601, E502.2, or E624).

Pit 6 primary COC: tritium (E906).

Pit 6 secondary COC: nitrate (E300:NO3).

Pit 6 secondary COC: perchlorate (E300.0:PERC).

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.4-1. Building 815-Source (815-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
815-SRC	July	NA	756	NA	49,813
	August	NA	626	NA	38,041
	September	NA	623	NA	38,356
	October	NA	787	NA	50,832
	November	NA	576	NA	37,026
	December	NA	646	NA	42,381
Total		NA	4,014	NA	256,449

Table 2.4-2. Building 815-Proximal (815-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
815-PRX	July	NA	841	NA	87,625
	August	NA	680	NA	71,656
	September	NA	677	NA	69,695
	October	NA	765	NA	78,672
	November	NA	538	NA	55,444
	December	NA	652	NA	64,572
Total		NA	4,153	NA	427,664

Table 2.4-3. Building 815-Distal Site Boundary (815-DSB) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
815-DSB	July	NA	813	NA	191,100
	August	NA	674	NA	156,632
	September	NA	670	NA	156,356
	October	NA	848	NA	194,943
	November	NA	690	NA	156,719
	December	NA	697	NA	156,284
Total		NA	4,392	NA	1,012,034

Table 2.4-4. Building 817-Source (817-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
817-SRC	July	NA	22	NA	467
	August	NA	27	NA	566
	September	NA	25	NA	565
	October	NA	32	NA	735
	November	NA	28	NA	678
	December	NA	19	NA	427
Total		NA	153	NA	3,438

Table 2.4-5. Building 817-Proximal (817-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
817-PRX	July	NA	848	NA	173,708
	August	NA	675	NA	76,895
	September	NA	727	NA	83,084
	October	NA	733	NA	74,591
	November	NA	365	NA	21,841
	December	NA	267	NA	17,484
Total		NA	3,615	NA	447,603

Table 2.4-6. Building 829-Source (829-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
829-SRC	July	NA	25	NA	94
	August	NA	0	NA	0
	September	NA	0	NA	0
	October	NA	17	NA	5
	November	NA	0	NA	0
	December	NA	0	NA	0
Total		NA	42	NA	99

Table 2.4-7. High Explosives Process Area OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
Building 815-Distal Site Boundary															
815-DSB-GWTS-E	7/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-E	10/3/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-E	12/5/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-I	7/12/06	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-DSB-GWTS-I	10/3/06	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Building 815-Proximal															
815-PRX-GWTS-E	7/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-E	10/3/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-E	12/5/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-I	7/6/06	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-PRX-GWTS-I	10/3/06	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2.4-7 (Cont.). High Explosives Process Area OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
Building 815-Source															
815-SRC-GWTS-E	7/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-E	10/3/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-E	12/5/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-I	7/12/06	5.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.98	<0.5	<0.5	<0.5	<0.5	<0.5
815-SRC-GWTS-I	10/3/06	6.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.95	<0.5	<0.5	<0.5	<0.5	<0.5
Building 817-Proximal															
817-PRX-GWTS-E	7/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-E	10/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-E	12/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-I	7/12/06	6.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-PRX-GWTS-I	10/2/06	7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2.4-7 (Cont.). High Explosives Process Area OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
Building 817-Source															
817-SRC-GWTS-E	7/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-E	8/9/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-E	9/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-E	10/4/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-E	11/8/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-E	12/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-I	7/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
817-SRC-GWTS-I	10/4/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Building 829-Source[a]															
829-SRC-GWTS-E	7/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
829-SRC-GWTS-I	7/12/06	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5

Notes:

[a] **Influent and effluent monitoring not conducted August through December because the treatment system was not operating.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.4-7 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency
Building 815-Distal Site Boundary		
815-DSB-GWTS-E	**7/12/06**	**0 of 18**
815-DSB-GWTS-E	**8/2/06**	**0 of 18**
815-DSB-GWTS-E	**9/6/06**	**0 of 18**
815-DSB-GWTS-E	**10/3/06**	**0 of 18**
815-DSB-GWTS-E	**11/1/06**	**0 of 18**
815-DSB-GWTS-E	**12/5/06**	**0 of 18**
815-DSB-GWTS-I	**7/12/06**	**0 of 18**
815-DSB-GWTS-I	**10/3/06**	**0 of 18**
Building 815-Proximal		
815-PRX-GWTS-E	**7/6/06**	**0 of 18**
815-PRX-GWTS-E	**8/2/06**	**0 of 18**
815-PRX-GWTS-E	**9/6/06**	**0 of 18**
815-PRX-GWTS-E	**10/3/06**	**0 of 18**
815-PRX-GWTS-E	**11/1/06**	**0 of 18**
815-PRX-GWTS-E	**12/5/06**	**0 of 18**
815-PRX-GWTS-I	**7/6/06**	**0 of 18**
815-PRX-GWTS-I	**10/3/06**	**0 of 18**
Building 815-Source		
815-SRC-GWTS-E	**7/12/06**	**0 of 18**
815-SRC-GWTS-E	**8/2/06**	**0 of 18**
815-SRC-GWTS-E	**9/6/06**	**0 of 18**
815-SRC-GWTS-E	**10/3/06**	**0 of 18**
815-SRC-GWTS-E	**11/1/06**	**0 of 18**
815-SRC-GWTS-E	**12/5/06**	**0 of 18**
815-SRC-GWTS-I	**7/12/06**	**0 of 18**
815-SRC-GWTS-I	**10/3/06**	**0 of 18**
Building 817-Proximal		
817-PRX-GWTS-E	**7/12/06**	**0 of 18**
817-PRX-GWTS-E	**8/2/06**	**0 of 18**
817-PRX-GWTS-E	**9/6/06**	**0 of 18**
817-PRX-GWTS-E	**10/2/06**	**0 of 18**
817-PRX-GWTS-E	**11/1/06**	**0 of 18**
Building 817-Proximal		
817-PRX-GWTS-E	**12/6/06**	**0 of 18**
817-PRX-GWTS-I	**7/12/06**	**0 of 18**
817-PRX-GWTS-I	**10/2/06**	**0 of 18**
Building 817-Source		
817-SRC-GWTS-E	**7/6/06**	**0 of 18**
817-SRC-GWTS-E	**8/9/06**	**0 of 18**
817-SRC-GWTS-E	**9/12/06**	**0 of 18**
817-SRC-GWTS-E	**10/4/06**	**0 of 18**
817-SRC-GWTS-E	**11/8/06**	**0 of 18**
817-SRC-GWTS-E	**12/6/06**	**0 of 18**
817-SRC-GWTS-I	**7/6/06**	**0 of 18**
817-SRC-GWTS-I	**10/4/06**	**0 of 18**
Building 829-Source[a]		
829-SRC-GWTS-E	**7/12/06**	**0 of 18**
829-SRC-GWTS-I	**7/12/06**	**0 of 18**

Table 2.4-8. High Explosives Process Area OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
Building 815-Distal Site Boundary			
815-DSB-GWTS-E	7/12/06	<0.5	NR
815-DSB-GWTS-E	8/2/06	<0.5	NR
815-DSB-GWTS-E	9/6/06	<0.5	NR
815-DSB-GWTS-E	10/3/06	<0.5	NR
815-DSB-GWTS-E	11/1/06	<0.5	NR
815-DSB-GWTS-E	12/5/06	<0.5	NR
815-DSB-GWTS-I	7/12/06	<0.5	NR
815-DSB-GWTS-I	10/3/06	a	NR
Building 815-Proximal			
815-PRX-GWTS-E	7/6/06	72	<4
815-PRX-GWTS-E	8/2/06	73	<4
815-PRX-GWTS-E	9/6/06	80	<4
815-PRX-GWTS-E	10/3/06	74	<4
815-PRX-GWTS-E	11/1/06	82	<4
815-PRX-GWTS-E	12/5/06	78	<4
815-PRX-GWTS-I	7/6/06	81	7.5
815-PRX-GWTS-I	10/3/06	81	7.3
Building 815-Source			
815-SRC-GWTS-E	7/12/06	92 D	<4
815-SRC-GWTS-E	8/2/06	94 D	<4
815-SRC-GWTS-E	9/6/06	100 D	<4
815-SRC-GWTS-E	10/3/06	96 D	<4
815-SRC-GWTS-E	11/1/06	98 D	<4
815-SRC-GWTS-E	12/5/06	98 D	<4
815-SRC-GWTS-I	7/12/06	96 D	13
815-SRC-GWTS-I	10/3/06	98 D	14
Building 817-Proximal			
817-PRX-GWTS-E	7/12/06	92 D	<4
817-PRX-GWTS-E	8/2/06	95 D	<4
817-PRX-GWTS-E	9/6/06	98 D	<4
817-PRX-GWTS-E	10/2/06	89 D	<4
817-PRX-GWTS-E	11/1/06	100 D	<4
817-PRX-GWTS-E	12/6/06	84	<4
817-PRX-GWTS-I	7/12/06	89 D	20
817-PRX-GWTS-I	10/2/06	90 D	27
Building 817-Source			
817-SRC-GWTS-E	7/6/06	47	<4
817-SRC-GWTS-E	8/9/06	60	<4
817-SRC-GWTS-E	9/12/06	46	<4
817-SRC-GWTS-E	10/4/06	33	<4
817-SRC-GWTS-E	11/8/06	38	<4
817-SRC-GWTS-E	12/6/06	37	<4
817-SRC-GWTS-I	7/6/06	84	27
817-SRC-GWTS-I	10/4/06	87	30
Building 829-Source[b]			
829-SRC-GWTS-E	7/12/06	<1 D	<4
829-SRC-GWTS-I	7/12/06	54	8.8

Notes appear on following page.

Table 2.4-8 (Cont.). High Explosives Process Area OU nitrate and perchlorate in ground water treatment system influent and effluent.

Notes:

[a] **Data not reported because the analytical data was qualified as suspect.**

[b] **Influent and effluent monitoring not conducted August through December because the treatment system was not operating.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.4-9. High Explosives Process Area OU high explosive compounds in ground water treatment system influent and effluent.

Location	Date	HMX (μg/L)	RDX (μg/L)
Building 815-Proximal			
815-PRX-GWTS-E	**7/6/06**	**<1**	**<1**
815-PRX-GWTS-E	**8/2/06**	**<1**	**<1**
815-PRX-GWTS-E	**9/6/06**	**<1 D**	**<1 D**
815-PRX-GWTS-E	**10/3/06**	**<1**	**<1**
815-PRX-GWTS-E	**11/1/06**	**<1 D**	**<1 D**
815-PRX-GWTS-E	**12/5/06**	**<1 D**	**<1 D**
815-PRX-GWTS-I	**7/6/06**	**<1**	**<1**
815-PRX-GWTS-I	**10/3/06**	**<1**	**<1**
Building 815-Source			
815-SRC-GWTS-E	**7/12/06**	**<1**	**<1**
815-SRC-GWTS-E	**8/2/06**	**<1**	**<1**
815-SRC-GWTS-E	**9/6/06**	**<1 D**	**<1 D**
815-SRC-GWTS-E	**10/3/06**	**<1**	**<1**
815-SRC-GWTS-E	**11/1/06**	**<1**	**<1**
815-SRC-GWTS-E	**12/5/06**	**<1 D**	**<1 D**
815-SRC-GWTS-I	**7/12/06**	**6.5**	**70**
815-SRC-GWTS-I	**10/3/06**	**6.5**	**76**
Building 817-Proximal			
817-PRX-GWTS-E	**7/12/06**	**<1 D**	**<1 D**
817-PRX-GWTS-E	**8/2/06**	**<1**	**<1**
817-PRX-GWTS-E	**9/6/06**	**<1 D**	**<1 D**
817-PRX-GWTS-E	**10/2/06**	**<1 D**	**<1 D**
817-PRX-GWTS-E	**11/1/06**	**<1**	**<1**
817-PRX-GWTS-E	**12/6/06**	**<1 D**	**<1 D**
817-PRX-GWTS-I	**7/12/06**	**<1**	**4.3**
817-PRX-GWTS-I	**10/2/06**	**<1 D**	**7.7 D**
Building 817-Source			
817-SRC-GWTS-E	**7/6/06**	**<1**	**<1**
817-SRC-GWTS-E	**8/9/06**	**<1 D**	**<1 D**
817-SRC-GWTS-E	**9/12/06**	**<1**	**<1**
817-SRC-GWTS-E	**10/4/06**	**<1 D**	**<1 D**
817-SRC-GWTS-E	**11/8/06**	**<1**	**<1**
817-SRC-GWTS-E	**12/6/06**	**<1 D**	**<1 D**
817-SRC-GWTS-I	**7/6/06**	**17**	**43**
817-SRC-GWTS-I	**10/4/06**	**19**	**50**

Notes:

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.4-10. High Explosives Process Area OU treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
815-SRC GWTS			
Influent Port	**GTU02-I**	**VOCs**	**Quarterly**
		HE Compounds	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU02-E**	**VOCs**	**Monthly**
		HE Compounds	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
815-PRX GWTS			
Influent Port	**GTU06-I**	**VOCs**	**Quarterly**
		HE Compounds	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU06-E**	**VOCs**	**Monthly**
		HE Compounds	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
815-DSB GWTS			
Influent Port	**STU04-I**	**VOCs**	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU04-E**	**VOCs**	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**

Table 2.4-10 (Cont.). High Explosives Process Area OU treatment facility sampling and analysis plans.

Sample location	Sample identification	Parameter	Frequency
817-SRC GWTS			
Influent Port	W-817-01-STU10-I	VOCs	Quarterly
		HE Compounds	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	STU10-E	VOCs	Monthly
		HE Compounds	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly
817-PRX GWTS			
Influent Port	GTU08-I	VOCs	Quarterly
		HE Compounds	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	GTU08-E	VOCs	Monthly
		HE Compounds	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly
829-SRC GWTS			
Influent Port	W-829-06-STU07-I	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	STU07-E	VOCs	Monthly
Effluent Port	BTU04-E	Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly

Notes:

One duplicate and one blank (given fictitious labels) shall be taken for every 12 samples.

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	Tnbs$_2$		WGMG	E502.2	1	Y	
GALLO1	WS	Tnbs$_2$		WGMG	E502.2	2	Y	
GALLO1	WS	Tnbs$_2$		WGMG	E502.2	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	Tnbs$_2$	M	CMP/WGMG	E8330:R+H	3	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	4	Y	
SPRING14	SPR	$Tnbs_2$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
SPRING14	SPR	$Tnbs_2$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
SPRING14	SPR	$Tnbs_2$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
SPRING14	SPR	$Tnbs_2$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
SPRING5	SPR	Tps	A	CMP	E300.0:NO3	1	N	Dry.
SPRING5	SPR	Tps	A	CMP	E300.0:PERC	1	N	Dry.
SPRING5	SPR	Tps	S	CMP	E601	1	N	Dry.
SPRING5	SPR	Tps	S	CMP	E601	3	N	Dry.
SPRING5	SPR	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-35B-01	GW	Qal	S	CMP	E300.0:NO3	1	Y	
W-35B-01	GW	Qal	S	CMP	E300.0:NO3	3	Y	
W-35B-01	GW	Qal	S	CMP	E300.0:PERC	1	Y	
W-35B-01	GW	Qal	S	CMP	E300.0:PERC	3	Y	
W-35B-01	GW	Qal	Q	CMP	E601	1	Y	
W-35B-01	GW	Qal	Q	CMP	E601	2	Y	
W-35B-01	GW	Qal	Q	CMP	E601	3	Y	
W-35B-01	GW	Qal	Q	CMP	E601	4	Y	
W-35B-01	GW	Qal	S	CMP	E8330:R+H	1	Y	
W-35B-01	GW	Qal	S	CMP	E8330:R+H	3	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-35C-01	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-35C-02	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-35C-02	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-35C-02	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-35C-02	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
W-35C-02	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-35C-04	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B815-DSB extraction well.
W-35C-04	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B815-DSB extraction well.
W-35C-04	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B815-DSB extraction well.
W-35C-04	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B815-DSB extraction well.
W-35C-04	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	1	Y	B815-DSB extraction well.
W-35C-05	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-35C-05	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-35C-05	MWPT	Tps	S	CMP	E601	1	Y	
W-35C-05	MWPT	Tps	S	CMP	E601	3	Y	
W-35C-05	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-35C-06	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-35C-06	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-35C-06	MWPT	Qal	S	CMP	E601	1	Y	
W-35C-06	MWPT	Qal	S	CMP	E601	3	Y	
W-35C-06	MWPT	Qal	A	CMP	E8330:R+H	1	Y	
W-35C-07	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-35C-07	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-35C-07	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35C-07	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-35C-08	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-35C-08	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-35C-08	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-35C-08	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-4A	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-4A	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-4A	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-4A	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-4A	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-4AS	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-4AS	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-4AS	MWPT	Tps	S	CMP	E601	1	Y	
W-4AS	MWPT	Tps	S	CMP	E601	3	Y	
W-4AS	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-4B	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-4B	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-4B	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-4B	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-4B	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:NO3	1	Y	
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:NO3	3	Y	
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:PERC	1	Y	
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:PERC	3	Y	
W-4C	GW	$Tnsc_1$	Q	CMP	E601	1	Y	
W-4C	GW	$Tnsc_1$	Q	CMP	E601	2	Y	
W-4C	GW	$Tnsc_1$	Q	CMP	E601	3	Y	
W-4C	GW	$Tnsc_1$	Q	CMP	E601	4	Y	
W-4C	GW	$Tnsc_1$	S	CMP	E8330:R+H	1	N	Guard well for B832 Canyon, no HE contamination in the $Tnsc_1$.
W-4C	GW	$Tnsc_1$	S	CMP	E8330:R+H	3	Y	Guard well for B832 Canyon, no HE contamination in the $Tnsc_1$.
W-6BD	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-6BD	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-6BD	MWPT	Tps	S	CMP	E601	1	Y	
W-6BD	MWPT	Tps	S	CMP	E601	3	Y	
W-6BD	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-6BS	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-6BS	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-6BS	MWPT	Tps	S	CMP	E601	1	Y	
W-6BS	MWPT	Tps	S	CMP	E601	3	Y	
W-6BS	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-6CD	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6CD	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6CD	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-6CD	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6CD	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-6CI	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-6CI	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-6CI	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-6CI	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-6CI	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-6CS	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-6CS	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-6CS	MWPT	Tps	S	CMP	E601	1	Y	
W-6CS	MWPT	Tps	S	CMP	E601	3	Y	
W-6CS	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-6EI	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-6EI	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-6EI	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-6EI	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-6EI	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-6ER	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B815-DSB extraction well.
W-6ER	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B815-DSB extraction well.
W-6ER	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B815-DSB extraction well.
W-6ER	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B815-DSB extraction well.
W-6ER	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	1	Y	B815-DSB extraction well.
W-6ES	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-6ES	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-6ES	MWPT	Qal	S	CMP	E601	1	Y	
W-6ES	MWPT	Qal	S	CMP	E601	3	Y	
W-6ES	MWPT	Qal	A	CMP	E8330:R+H	1	Y	
W-6F	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6F	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6F	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-6F	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6F	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-6G	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6G	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6G	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-6G	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6G	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-6H	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-6H	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-6H	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-6H	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-6H	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-6H	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-6H	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-6H	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-6H	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-6H	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-6I	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-6I	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-6I	MWPT	Tps	S	CMP	E601	1	Y	
W-6I	MWPT	Tps	S	CMP	E601	3	Y	
W-6I	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-6K	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6K	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6K	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-6K	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6K	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-6L	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6L	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6L	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-6L	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6L	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-806-06A	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-806-06A	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-806-06A	MWB	$Tnsc_1$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-806-06A	MWB	$Tnsc_1$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-808-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-808-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-808-01	MWPT	Tps	S	CMP	E601	1	Y	
W-808-01	MWPT	Tps	S	CMP	E601	3	Y	
W-808-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-808-02	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	N	Dry.
W-808-02	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	N	Dry.
W-808-02	MWPT	$Tnsc_2$	S	CMP	E601	1	N	Dry.
W-808-02	MWPT	$Tnsc_2$	S	CMP	E601	3	N	Dry.
W-808-02	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	N	Dry.
W-808-03	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-808-03	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-808-03	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-808-03	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
W-808-03	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-809-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-809-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-809-01	MWPT	Tps	S	CMP	E601	1	Y	
W-809-01	MWPT	Tps	S	CMP	E601	3	Y	
W-809-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-809-02	MWPT	$Tnbs_2$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-809-02	MWPT	$Tnbs_2$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-809-02	MWPT	$Tnbs_2$		DIS	E300.0:PERC	1	Y	
W-809-02	MWPT	$Tnbs_2$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-809-02	MWPT	$Tnbs_2$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-809-03	MWPT	$Tnbs_2$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-809-03	MWPT	$Tnbs_2$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-809-03	MWPT	$Tnbs_2$		DIS	E300.0:PERC	1	Y	
W-809-03	MWPT	$Tnbs_2$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-809-03	MWPT	$Tnbs_2$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-809-04	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-809-04	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-809-04	MWPT	Tps	S	CMP	E601	1	Y	
W-809-04	MWPT	Tps	S	CMP	E601	3	Y	
W-809-04	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-810-01	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-810-01	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-810-01	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-810-01	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
W-810-01	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-814-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-814-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-814-01	MWPT	Tps	S	CMP	E601	1	Y	
W-814-01	MWPT	Tps	S	CMP	E601	3	Y	
W-814-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-814-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-814-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-814-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-814-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-814-02	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-814-03	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-814-03	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-814-03	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-814-03	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-814-03	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:NO3	1	Y	
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:NO3	3	Y	
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:PERC	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:PERC	3	Y	
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	1	Y	
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	2	Y	
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	3	Y	
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	4	Y	
W-814-04	GW	$Tnsc_1$	S	CMP	E8330:R+H	1	N	Not on the sampling plan.
W-814-04	GW	$Tnsc_1$	S	CMP	E8330:R+H	3	N	Not on the sampling plan.
W-814-2138	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-814-2138	MWPT	Tpsg	A	CMP	E300.0:PERC	1	Y	
W-814-2138	MWPT	Tpsg	S	CMP	E601	1	N	Not on the sampling plan.
W-814-2138	MWPT	Tpsg	S	CMP	E601	3	Y	
W-815-01	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-815-01	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-815-01	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-815-01	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-815-01	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-815-02	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B815-SRC extraction well.
W-815-02	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B815-SRC extraction well.
W-815-02	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B815-SRC extraction well.
W-815-02	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B815-SRC extraction well.
W-815-02	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	1	Y	B815-SRC extraction well.
W-815-03	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-815-03	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-815-03	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-815-03	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-815-03	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-815-04	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B815-SRC extraction well.
W-815-04	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B815-SRC extraction well.
W-815-04	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B815-SRC extraction well.
W-815-04	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B815-SRC extraction well.
W-815-04	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	1	Y	B815-SRC extraction well.
W-815-05	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-815-05	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-815-05	MWPT	Tps	S	CMP	E601	1	Y	
W-815-05	MWPT	Tps	S	CMP	E601	3	Y	
W-815-05	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-815-06	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-815-06	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-815-06	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-815-06	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-815-06	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-815-07	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-815-07	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-815-07	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-815-07	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-815-07	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E8330:R+H	1	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E8330:R+H	3	Y	
W-815-1928	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-815-1928	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-815-1928	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-815-1928	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-815-1928	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-815-2110	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-815-2110	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-815-2110	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-815-2110	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-815-2110	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-815-2110	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-815-2110	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-815-2110	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-815-2110	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-815-2110	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-815-2111	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-815-2111	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-815-2111	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-815-2111	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-815-2111	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-815-2111	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-815-2111	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-815-2111	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-815-2111	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-815-2111	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-815-2217	MWPT	$Tnbs_2$	A	Baseline/CMP	E300.0:NO3	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$	A	Baseline/CMP	E300.0:PERC	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$	S	Baseline/CMP	E601	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$	S	CMP	E601	4	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	E624	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	E900	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	E200.7:SIO2	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	E906	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	GENMIN	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	MS:UISO	2	Y	New well.
W-815-2217	MWPT	$Tnbs_2$		Baseline	MS:THISO	2	Y	New well.

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-815-2217	MWPT	$Tnbs_2$		Baseline	DMETALS	2	Y	New well.
W-817-01	EW	$Tnbs_2$		DIS-TF	E300.0:NO3	3	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$		DIS-TF	E300.0:PERC	3	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	1	Y	B817-SRC extraction well.
W-817-01	EW	$Tnbs_2$		DIS-TF	E8330:R+H	3	Y	B817-SRC extraction well.
W-817-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-817-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-817-02	MWPT	$Tnbs_2$	A	CMP	E601	1	Y	
W-817-02	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-817-03	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$		DIS-TF	E300.0:NO3	3	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$		DIS-TF	E300.0:PERC	3	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	1	Y	B817-PRX extraction well.
W-817-03	EW	$Tnbs_2$		DIS-TF	E8330:R+H	3	Y	B817-PRX extraction well.
W-817-03A	MWPT	Tps		DIS	E1002TOX	1	Y	
W-817-03A	MWPT	Tps		DIS	E1003TOX	1	Y	
W-817-03A	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-817-03A	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-817-03A	MWPT	Tps	S	CMP	E601	1	Y	
W-817-03A	MWPT	Tps	S	CMP	E601	3	Y	
W-817-03A	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-817-04	EW	$Tnbs_2$		DIS-TF	E300.0:NO3	3	Y	B817-PRX extraction well.
W-817-04	EW	$Tnbs_2$		DIS-TF	E300.0:PERC	3	Y	B817-PRX extraction well.
W-817-04	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	1	Y	B817-PRX extraction well.
W-817-04	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	1	Y	B817-PRX extraction well.
W-817-04	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B817-PRX extraction well.
W-817-04	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B817-PRX extraction well.
W-817-04	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	3	Y	B817-PRX extraction well.
W-817-05	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-817-05	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-817-05	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
W-817-05	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-817-05	MWPT	$Tnsc_1$	A	CMP	E8330:R+H	1	Y	
W-817-07	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-817-07	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-817-07	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-817-07	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-817-07	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-01	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-818-01	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-01	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-01	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-01	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-03	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-03	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-03	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-03	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-03	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-04	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-04	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-04	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-04	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-04	MWPT	$Tnbs_2$		DIS	E601	4	Y	
W-818-04	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-06	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-06	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-06	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-06	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-06	MWPT	$Tnbs_2$		DIS	E601	4	Y	
W-818-06	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-07	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-07	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-07	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-07	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-07	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-08	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	3	Y	B815-PRX extraction well.
W-818-08	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	3	Y	B815-PRX extraction well.
W-818-08	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B815-PRX extraction well.
W-818-08	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B815-PRX extraction well.
W-818-08	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	3	Y	B815-PRX extraction well.
W-818-09	EW	$Tnbs_2$	A	CMP-TF	E300.0:NO3	3	Y	B815-PRX extraction well.
W-818-09	EW	$Tnbs_2$	A	CMP-TF	E300.0:PERC	3	Y	B815-PRX extraction well.
W-818-09	EW	$Tnbs_2$	S	CMP-TF	E601	1	Y	B815-PRX extraction well.
W-818-09	EW	$Tnbs_2$	S	CMP-TF	E601	3	Y	B815-PRX extraction well.
W-818-09	EW	$Tnbs_2$	A	CMP-TF	E8330:R+H	3	Y	B815-PRX extraction well.
W-818-11	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-11	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-11	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-11	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-11	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-819-02	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-819-02	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-819-02	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
W-819-02	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-819-02	MWPT	$Tnsc_1$	A	CMP	E8330:R+H	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-823-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-823-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-823-01	MWPT	Tps	S	CMP	E601	1	Y	
W-823-01	MWPT	Tps	S	CMP	E601	3	Y	
W-823-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-823-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-823-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-823-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-823-02	MWPT	$Tnbs_2$		DIS	EM8015:DEISEL	3	Y	
W-823-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-823-02	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-823-03	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-823-03	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-823-03	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-823-03	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-823-03	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-823-13	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-823-13	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-823-13	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-823-13	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-823-13	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-827-01	MWB	$Tnbs_2$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-827-01	MWB	$Tnbs_2$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-827-01	MWB	$Tnbs_2$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-827-01	MWB	$Tnbs_2$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-827-02	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-827-02	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-827-02	MWB	$Tnsc_1$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-827-02	MWB	$Tnsc_1$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-827-03	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	1	NA	Next sample required 1stQ 2007.
W-827-03	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	1	NA	Next sample required 1stQ 2007.
W-827-03	MWB	$Tnsc_1$	B	CMP	E601	1	NA	Next sample required 1stQ 2007.
W-827-03	MWB	$Tnsc_1$	B	CMP	E8330:R+H	1	NA	Next sample required 1stQ 2007.
W-827-05	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-827-05	MWPT	$Tnbs_1$		DIS	E300.0:NO3	4	Y	
W-827-05	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-827-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
W-827-05	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-827-05	MWPT	$Tnbs_1$		DIS	E601	2	Y	
W-827-05	MWPT	$Tnbs_1$	S	CMP	E601	3	N	Pump failure.
W-827-05	MWPT	$Tnbs_1$		DIS	E601	4	Y	
W-827-05	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-827-05	MWPT	$Tnbs_1$		DIS	E8330:R+H	4	Y	
W-829-06	EW	$Tnsc_1$	A	CMP-TF	E300.0:NO3	1	Y	B829-SRC extraction well.
W-829-06	EW	$Tnsc_1$	A	CMP-TF	E300.0:PERC	1	Y	B829-SRC extraction well.
W-829-06	EW	$Tnsc_1$		DIS-TF	E300.0:NO3	3	Y	B829-SRC extraction well.

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-829-06	EW	$Tnsc_1$		DIS-TF	E300.0:PERC	3	Y	B829-SRC extraction well.
W-829-06	EW	$Tnsc_1$	S	CMP-TF	E601	1	Y	B829-SRC extraction well.
W-829-06	EW	$Tnsc_1$	S	CMP-TF	E601	3	Y	B829-SRC extraction well.
W-829-06	EW	$Tnsc_1$	A	CMP-TF	E8330:R+H	2	Y	B829-SRC extraction well.
W-829-15$	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
W-829-15$	DMW	$Tnbs_1$		WGMG	E624	2	Y	
W-829-15$	DMW	$Tnbs_1$		WGMG	E8330:R+H	2	Y	
W-829-15$	DMW	$Tnbs_1$		WGMG	E8330:TNT	2	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E624	1	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E624	2	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E624	3	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E624	4	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:R+H	1	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:R+H	2	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:R+H	3	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:R+H	4	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:TNT	2	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:TNT	3	Y	
W-829-1938$	DMW	$Tnbs_1$		WGMG	E8330:TNT	4	Y	
W-829-1940	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-829-1940	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-829-1940	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
W-829-1940	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-829-1940	MWPT	$Tnsc_1$	A	CMP	E8330:R+H	1	Y	
W-829-22$	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
W-829-22$	DMW	$Tnbs_1$		WGMG	E624	2	Y	
W-829-22$	DMW	$Tnbs_1$		WGMG	E8330:R+H	2	Y	
W-829-22$	DMW	$Tnbs_1$		WGMG	E8330:TNT	2	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-880-02	GW	Qal	S	CMP	E300.0:NO3	1	Y	
W-880-02	GW	Qal	S	CMP	E300.0:NO3	3	Y	
W-880-02	GW	Qal	S	CMP	E300.0:PERC	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-880-02	GW	Qal	S	CMP	E300.0:PERC	3	Y	
W-880-02	GW	Qal	Q	CMP	E601	1	Y	
W-880-02	GW	Qal	Q	CMP	E601	2	Y	
W-880-02	GW	Qal	Q	CMP	E601	3	Y	
W-880-02	GW	Qal	Q	CMP	E601	4	Y	
W-880-02	GW	Qal	S	CMP	E8330:R+H	1	Y	
W-880-02	GW	Qal	S	CMP	E8330:R+H	3	Y	
W-880-03	GW	$Tnsc_1$	S	CMP	E300.0:NO3	1	Y	
W-880-03	GW	$Tnsc_1$	S	CMP	E300.0:NO3	3	Y	
W-880-03	GW	$Tnsc_1$	S	CMP	E300.0:PERC	1	Y	
W-880-03	GW	$Tnsc_1$	S	CMP	E300.0:PERC	3	Y	
W-880-03	GW	$Tnsc_1$	Q	CMP	E601	1	Y	
W-880-03	GW	$Tnsc_1$	Q	CMP	E601	2	Y	
W-880-03	GW	$Tnsc_1$	Q	CMP	E601	3	Y	
W-880-03	GW	$Tnsc_1$	Q	CMP	E601	4	Y	
W-880-03	GW	$Tnsc_1$	S	CMP	E8330:R+H	1	Y	
W-880-03	GW	$Tnsc_1$	S	CMP	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	2	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E601	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 18	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 20	WS	$Tnbs_1$		WGMG	E502.2	1	Y	
WELL 20	WS	$Tnbs_1$		WGMG	E502.2	1	Y	
WELL 20	WS	$Tnbs_1$		WGMG	E502.2	1	Y	

Table 2.4-11. High Explosives Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
WELL 20	WS	$Tnbs_1$		WGMG	E502.2	2	Y	
WELL 20	WS	$Tnbs_1$		WGMG	E502.2	2	Y	
WELL 20	WS	$Tnbs_1$		WGMG	E502.2	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E601	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 20	WS	$Tnbs_1$	M	CMP/WGMG	E8330:R+H	4	Y	

Notes:

$ = Non-CMP well. Analytes and sampling frequency are specified in the RCRA Closure Plan for the High Explosives Open Burn Facility.

*** = Non-CMP well. Analytes and sampling frequency are specified in the Waste Discharge Requirements for the High Explosives Surface Water Impoundments.**

HEPA primary COC: VOCs (E601, E502.2, or E624).

HEPA secondary COC: nitrate (E300:NO3).

HEPA secondary COC: perchlorate (E300.0:PERC).

HEPA secondary COC: RDX (E8330).

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.4-12. Building 815-Source (815-SRC) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
815-SRC	July	NA	1.4	3.8	18	13	NA
	August	NA	1.1	2.9	14	9.9	NA
	September	NA	1.1	2.9	14	9.9	NA
	October	NA	1.4	3.9	19	13	NA
	November	NA	1.0	2.8	14	9.6	NA
	December	NA	1.2	3.3	16	11	NA
Total		NA	7.2	20	95	66	NA

Notes:

***Nitrate re-injected into the $Tnbs_2$ HSU undergoes in-situ biotransformation to benign N_2 gas by anaerobic denitrifying bacteria.**

Table 2.4-13. Building 815-Proximal (815-PRX) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
815-PRX	July	NA	9.6	2.4	27	NA	NA
	August	NA	7.6	1.9	22	NA	NA
	September	NA	7.4	1.9	21	NA	NA
	October	NA	8.1	2.1	24	NA	NA
	November	NA	5.8	1.5	17	NA	NA
	December	NA	6.7	1.7	20	NA	NA
Total		NA	45	12	130	NA	NA

Notes:

***Nitrate re-injected into the $Tnbs_2$ HSU undergoes in-situ biotransformation to benign N_2 gas by anaerobic denitrifying bacteria.**

Table 2.4-14. Building 815-Distal Site Boundary (815-DSB) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
815-DSB	July	NA	8.3	NA	NA	NA	NA
	August	NA	6.8	NA	NA	NA	NA
	September	NA	6.8	NA	NA	NA	NA
	October	NA	8.5	NA	NA	NA	NA
	November	NA	6.9	NA	NA	NA	NA
	December	NA	6.8	NA	NA	NA	NA
Total		NA	44	NA	NA	NA	NA

Table 2.4-15. Building 817-Source (817-SRC) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
817-SRC	July	NA	0	0.048	0.15	0.076	NA
	August	NA	0	0.058	0.18	0.092	NA
	September	NA	0	0.058	0.18	0.092	NA
	October	NA	0	0.084	0.24	0.14	NA
	November	NA	0	0.077	0.22	0.13	NA
	December	NA	0	0.049	0.14	0.081	NA
Total		NA	0	0.37	1.1	0.61	NA

Notes:

***Nitrate re-injected into the $Tnbs_2$ HSU undergoes in-situ biotransformation to benign N_2 gas by anaerobic denitrifying bacteria.**

Table 2.4-16. Building 817-Proximal (817-PRX) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
817-PRX	July	NA	4.5	13	59	2.2	NA
	August	NA	2.0	5.8	26	0.99	NA
	September	NA	2.1	6.3	28	1.1	NA
	October	NA	1.9	5.7	25	0.96	NA
	November	NA	0.56	1.7	7.4	0.28	NA
	December	NA	0.45	1.3	5.9	0.23	NA
Total		NA	12	34	150	5.8	NA

Notes:
***Nitrate re-injected into the $Tnbs_2$ HSU undergoes in-situ biotransformation to benign N_2 gas by anaerobic denitrifying bacteria.**

Table 2.4-17. Building 829-Source (829-SRC) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
829-SRC	July	NA	0.0053	0.0031	0.019	NA	NA
	August	NA	0	0	0	NA	NA
	September	NA	0	0	0	NA	NA
	October	NA	0.00028	0.00017	0.0010	NA	NA
	November	NA	0	0	0	NA	NA
	December	NA	0	0	0	NA	NA
Total		NA	0.0056	0.0033	0.020	NA	NA

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:THISO	1	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:THISO	2	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:THISO	3	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:THISO	4	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:UISO	3	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K1-01C*	DMW	$Tnbs_1$		WGMG	MS:UISO	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:THISO	1	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:THISO	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:THISO	3	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:THISO	4	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:UISO	1	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:UISO	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:UISO	3	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	AS:UISO	4	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:NO3	1	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:NO3	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:NO3	3	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:NO3	4	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:PERC	1	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:PERC	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:PERC	3	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E300.0:PERC	4	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-02B*	DMW	$Tnbs_0$		WGMG	E624	1	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E624	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E624	3	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E624	4	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E906	1	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E906	2	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E906	3	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	E906	4	Y	
K1-02B*	DMW	$Tnbs_0$		WGMG	MS:UISO	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:THISO	1	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:THISO	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:THISO	3	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:THISO	4	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:UISO	3	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K1-03*	DMW	$Tnbs_1$		WGMG	MS:UISO	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:THISO	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:THISO	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:THISO	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:THISO	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:UISO	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:UISO	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:UISO	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	AS:UISO	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:NO3	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:NO3	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:NO3	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:NO3	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:PERC	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:PERC	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:PERC	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E300.0:PERC	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E624	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E624	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E624	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E624	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E906	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E906	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E906	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	E906	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		WGMG	MS:UISO	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:THISO	1	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:THISO	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:THISO	3	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:THISO	4	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:UISO	3	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	E906	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-05*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K1-05*	DMW	$Tnbs_1$		WGMG	MS:UISO	2	Y	
K1-06	DMW	$Tnbs_1$		DIS	E300.0:NO3	1	Y	
K1-06	DMW	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K1-06	DMW	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
K1-06	DMW	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
K1-06	DMW	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
K1-06	DMW	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
K1-06	DMW	$Tnbs_1$		DIS	E906	1	Y	
K1-06	DMW	$Tnbs_1$	S	CMP	E906	2	Y	
K1-06	DMW	$Tnbs_1$	S	CMP	E906	4	Y	
K1-06	DMW	$Tnbs_1$		DIS	MS:UISO	1	Y	
K1-06	DMW	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:THISO	1	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:THISO	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:THISO	3	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:THISO	4	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:UISO	3	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K1-07*	DMW	$Tnbs_1$		WGMG	MS:UISO	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:THISO	1	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:THISO	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:THISO	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-08*	DMW	$Tnbs_1$		WGMG	AS:THISO	4	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:UISO	3	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E624	3	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K1-08*	DMW	$Tnbs_1$		WGMG	MS:UISO	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:THISO	1	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:THISO	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:THISO	3	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:THISO	4	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:UISO	3	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	1	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	3	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:NO3	4	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	1	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	3	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E624	1	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E624	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E624	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-09*	DMW	$Tnbs_1$		WGMG	E624	4	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E906	1	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E906	2	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E906	3	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	E906	4	Y	
K1-09*	DMW	$Tnbs_1$		WGMG	MS:UISO	2	Y	
K2-03	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K2-03	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
K2-03	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
K2-03	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
K2-04D	MWPT	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K2-04D	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-04D	MWPT	$Tnbs_1$		DIS/WGMG	E300.0:PERC	2	Y	
K2-04D	MWPT	$Tnbs_1$		DIS/WGMG	E300.0:PERC	3	Y	
K2-04D	MWPT	$Tnbs_1$		DIS/WGMG	E300.0:PERC	4	Y	
K2-04D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
K2-04D	MWPT	$Tnbs_1$		DIS	E906	3	Y	
K2-04D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
K2-04D	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
K2-04D	MWPT	$Tnbs_1$		DIS/WGMG	MS:UISO	4	Y	
K2-04S	MWPT	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K2-04S	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-04S	MWPT	$Tnbs_1$		DIS/WGMG	E300.0:PERC	2	Y	
K2-04S	MWPT	$Tnbs_1$		DIS/WGMG	E300.0:PERC	3	Y	
K2-04S	MWPT	$Tnbs_1$		DIS/WGMG	E300.0:PERC	4	Y	
K2-04S	MWPT	$Tnbs_1$		DIS/WGMG	E906	3	Y	
K2-04S	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
K2-04S	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
K2-04S	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
NC2-05	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-05	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-05	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-05	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-05A	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-05A	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-05A	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-05A	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-05A	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-06	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-06	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC2-06	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-06	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-06	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-06A	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-06A	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-06A	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-06A	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-06A	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-06A	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
NC2-09	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-09	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-09	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-09	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-09	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-10	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-10	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-10	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-10	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-10	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$		WGMG	AS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
NC2-11D	MWPT	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
NC2-11D	MWPT	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
NC2-11D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
NC2-11D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
NC2-11D	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$		DIS/WGMG	MS:UISO	4	Y	
NC2-11I	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-11I	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-11I	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-11I	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-11S	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-11S	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-11S	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-11S	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$		WGMG	AS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
NC2-12D	MWPT	$Tnbs_1$		WGMG	E300.0:PERC	2	Y	
NC2-12D	MWPT	$Tnbs_1$		WGMG	E300.0:PERC	4	Y	
NC2-12D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
NC2-12D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC2-12D	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$		DIS/WGMG	MS:UISO	4	Y	
NC2-12I	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-12I	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-12I	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-12I	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-12S	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-12S	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-12S	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-12S	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-13	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-13	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-13	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-13	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-14S	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-14S	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-14S	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC2-14S	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC2-14S	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-14S	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-14S	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-15	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	4	Y	
NC2-15	MWPT	$Tnbs_1$		DIS	E300.0:NO3	3	Y	
NC2-15	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-15	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC2-15	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
NC2-15	MWPT	$Tnbs_1$		DIS	E906	3	Y	
NC2-15	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-15	MWPT	$Tnbs_1$		DIS	MS:UISO	3	Y	
NC2-15	MWPT	$Tnbs_1$	A	CMP	MS:UISO	4	Y	
NC2-16	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-16	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-16	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC2-16	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC2-16	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-16	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-16	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-17	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	3	Y	
NC2-17	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-17	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-17	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC2-17	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-18	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-18	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-18	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-18	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-18	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-19	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-19	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-19	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-19	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-19	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-20	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-20	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-20	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-20	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-20	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-21	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-21	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-21	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-21	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-21	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-10	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-10	MWPT	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
NC7-10	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-10	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-10	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-10	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-10	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-10	MWPT	$Tnbs_1$	A	DIS	MS:UISO	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	1	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	A	DIS	MS:UISO	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	N	Dry.

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-14	MWPT	$Qal/Tnbs_1$	A	CMP	MS:UISO	2	N	Insufficient water.
NC7-15	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-15	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-15	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-15	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-15	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-27	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
NC7-27	MWPT	$Tnsc_0$		DIS	E300.0:PERC	2	Y	
NC7-27	MWPT	$Tnsc_0$	S	CMP	E906	2	Y	
NC7-27	MWPT	$Tnsc_0$	S	CMP	E906	4	Y	
NC7-27	MWPT	$Tnsc_0$	A	CMP	MS:UISO	2	Y	
NC7-28	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-28	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-28	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	MS:UISO	1	Y	
NC7-28	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	MS:UISO	3	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
NC7-29	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-29	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-29	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-29	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-29	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-29	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-43	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-43	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-43	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-43	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-43	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-43	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-44	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-44	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-44	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-44	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-44	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-45	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Not accessible due to bent casing.
NC7-45	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Not accessible due to bent casing.
NC7-45	MWPT	$Tnbs_1$	S	CMP	E906	4	N	Not accessible due to bent casing.
NC7-45	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Not accessible due to bent casing.
NC7-46	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-46	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-46	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-46	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-46	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-54	MWPT	Qal	A	CMP	E300.0:NO3	2	Y	
NC7-54	MWPT	Qal		DIS	E300.0:PERC	3	Y	
NC7-54	MWPT	Qal	S	CMP	E906	2	Y	
NC7-54	MWPT	Qal	S	CMP	E906	4	Y	
NC7-54	MWPT	Qal	A	CMP	MS:UISO	2	Y	
NC7-54	MWPT	Qal		DIS	MS:UISO	4	Y	
NC7-55	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Dry.
NC7-55	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Dry.
NC7-55	MWPT	$Tnbs_1$	S	CMP	E906	4	N	Dry.
NC7-55	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Dry.
NC7-56	MWPT	Qal/$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-56	MWPT	Qal/$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	S	CMP	E906	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	S	CMP	E906	4	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-57	MWPT	Qal	A	CMP	E300.0:NO3	2	N	Dry.
NC7-57	MWPT	Qal	S	CMP	E906	2	N	Dry.
NC7-57	MWPT	Qal	S	CMP	E906	4	N	Dry.
NC7-57	MWPT	Qal	A	CMP	MS:UISO	2	N	Dry.
NC7-58	MWPT	Qal	A	CMP	E300.0:NO3	2	Y	
NC7-58	MWPT	Qal		DIS	E300.0:PERC	2	Y	
NC7-58	MWPT	Qal		DIS	E300.0:PERC	3	Y	
NC7-58	MWPT	Qal		DIS	E300.0:PERC	4	Y	
NC7-58	MWPT	Qal	S	CMP	E906	2	Y	
NC7-58	MWPT	Qal	S	CMP	E906	4	Y	
NC7-58	MWPT	Qal	A	CMP	MS:UISO	2	Y	
NC7-59	MWPT	Qal/$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-59	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-59	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-59	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-60	MWPT	$Tnbs_0$	A	CMP	E300.0:NO3	2	Y	
NC7-60	MWPT	$Tnbs_0$		DIS	E300.0:PERC	2	Y	
NC7-60	MWPT	$Tnbs_0$		DIS	E300.0:PERC	4	Y	
NC7-60	MWPT	$Tnbs_0$	S	CMP	E906	2	Y	
NC7-60	MWPT	$Tnbs_0$	S	CMP	E906	4	Y	
NC7-60	MWPT	$Tnbs_0$	A	CMP	MS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$		WGMG	AS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$	A	CMP/WGMG	E300.0:NO3	2	Y	
NC7-61	MWPT	$Tnbs_0$		DIS/WGMG	E300.0:NO3	4	Y	
NC7-61	MWPT	$Tnbs_0$		WGMG	E300.0:PERC	1	Y	
NC7-61	MWPT	$Tnbs_0$		WGMG	E300.0:PERC	2	Y	
NC7-61	MWPT	$Tnbs_0$		WGMG	E300.0:PERC	3	Y	
NC7-61	MWPT	$Tnbs_0$		WGMG	E300.0:PERC	4	Y	
NC7-61	MWPT	$Tnbs_0$	S	CMP/WGMG	E906	2	Y	
NC7-61	MWPT	$Tnbs_0$	S	CMP/WGMG	E906	4	Y	
NC7-61	MWPT	$Tnbs_0$		DIS/WGMG	MS:UISO	3	Y	
NC7-61	MWPT	$Tnbs_0$		DIS/WGMG	MS:UISO	1	Y	
NC7-61	MWPT	$Tnbs_0$	A	CMP/WGMG	MS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$		DIS/WGMG	MS:UISO	4	Y	
NC7-62	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-62	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-62	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-62	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-62	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-62	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-62	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-69	MWPT	Tmss		WGMG	AS:UISO	2	Y	
NC7-69	MWPT	Tmss	A	CMP/WGMG	E300.0:NO3	2	Y	
NC7-69	MWPT	Tmss		WGMG	E300.0:PERC	2	Y	
NC7-69	MWPT	Tmss		WGMG	E300.0:PERC	4	Y	
NC7-69	MWPT	Tmss		WGMG	E601	2	Y	
NC7-69	MWPT	Tmss		WGMG	E601	4	Y	
NC7-69	MWPT	Tmss	S	CMP/WGMG	E906	2	Y	
NC7-69	MWPT	Tmss	S	CMP/WGMG	E906	4	Y	
NC7-69	MWPT	Tmss	A	CMP/WGMG	MS:UISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-69	MWPT	Tmss		DIS/WGMG	MS:UISO	4	Y	
NC7-70	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-70	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-70	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	MS:UISO	1	Y	
NC7-70	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	MS:UISO	3	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
NC7-71	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-71	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-71	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	MS:UISO	1	Y	
NC7-71	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	MS:UISO	3	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
NC7-72	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-72	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-72	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-72	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-72	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-72	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-72	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-73	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-73	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-73	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC7-73	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-73	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-73	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-73	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-76	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-76	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-76	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-76	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-76	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$		DIS	E300.0:PERC	4	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	S	CMP	E906	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$		DIS	E906	3	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	S	CMP	E906	4	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	A	CMP	MS:UISO	2	Y	
W-850-05	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
W-850-05	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
W-850-05	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	MS:UISO	1	Y	
W-850-05	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	MS:UISO	3	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	DWMETALS	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E200.7:SiO2	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E300.0:NO3	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E300.0:PERC	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$	A	CMP	E300.0:NO3	2	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$	A	CMP	E300.0:PERC	2	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E624	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E8330:R+H	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E900	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	E906	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$	S	CMP	E906	2	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$	S	CMP	E906	4	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	GENMINDISS	1	Y	New well.
W-850-2145	MWPT	$Tnbs_1/Tnbs_0$		Baseline	MS:UISO	1	Y	New well.
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	S	CMP	E906	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	S	CMP	E906	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	MS:UISO	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E900	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E900	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	S	CMP	E906	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	S	CMP	E906	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	MS:UISO	2	Y	
W-865-2005	MWPT	$Tnbs_0$-$Tnsc_0$	Q	DIS	E601	2	Y	
W-865-2005	MWPT	$Tnbs_0$-$Tnsc_0$	S	DIS	E602	2	Y	
W-865-2005	MWPT	$Tnbs_0$-$Tnsc_0$	S	DIS	E300.0:NO3	2	Y	
W-865-2005	MWPT	$Tnbs_0$-$Tnsc_0$	S	DIS	E300.0:PERC	2	Y	
W-865-2005	MWPT	$Tnbs_0$-$Tnsc_0$	A	DIS	DWMETALS	2	Y	
W-865-2005	MWPT	$Tnbs_0$-$Tnsc_0$	S	DIS	E8330:R+H	2	Y	
W8SPRNG	SPR	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W8SPRNG	SPR	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
W8SPRNG	SPR	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
W8SPRNG	SPR	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
W8SPRNG	SPR	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
W8SPRNG	SPR	$Tnbs_1$		DIS	E906	1	Y	
W8SPRNG	SPR	$Tnbs_1$	S	CMP	E906	2	Y	
W8SPRNG	SPR	$Tnbs_1$	S	CMP	E906	4	Y	
W8SPRNG	SPR	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	DWMETALS	3	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E300.0:PERC	1	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	1	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	2	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E602	1	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	3	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E602	3	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E602	2	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	1	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	2	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	3	Y	
W-PIT7-16	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	S	CMP	E906	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	S	CMP	E906	4	Y	
W-PIT7-16	MWPT	$Tnsc_0$	A	CMP	MS:UISO	2	Y	

Notes:

*** = NON-CMP WELL. Analytes and sampling frequency for detection monitoring wells (DMW) are specified in Waste Discharge Requirements for the Pit 1 Landfill.**

Building 850 primary COC: tritium (E906).

Building 850 secondary COC: nitrate (E300.0:NO3).

Building 850 secondary COC: uranium (MS:UISO).

Contaminants of Concern in the Vadose Zone not detected in Ground Water: PCBs.

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.6-1. Building 854-Source (854-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
854-SRC	July	528	549	1,497	31,231
	August	744	189	2,114	10,790
	September	670	29	1,906	7,253
	October	713	65	2,059	32,199
	November	525	384	1,500	111,401
	December	430	671	1,237	162,402
Total		3,610	1,887	10,313	355,276

Table 2.6-2. Building 854-Proximal (854-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
854-PRX	July	NA	465	NA	40,991
	August	NA	509	NA	44,813
	September	NA	415	NA	35,854
	October	NA	451	NA	38,001
	November	NA	220	NA	18,041
	December	NA	0	NA	0
Total		NA	2,060	NA	177,700

Table 2.6-3. Building 854-Distal (854-DIS) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
854-DIS	July	NA	4	NA	415
	August	NA	9	NA	602
	September	NA	4	NA	292
	October	NA	13	NA	760
	November	NA	11	NA	623
	December	NA	0	NA	0
Total		NA	41	NA	2,692

Table 2.6-4. Building 854 OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
Building 854-Distal[a]															
854-DIS-GWTS-E	7/12/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E[b]	7/20/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E[b]	7/26/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E	9/20/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E[c]	9/26/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E[c]	9/28/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E	10/17/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-E	11/7/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-I	7/12/06	34	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
854-DIS-GWTS-I[b]	7/20/06	39	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-I[b]	7/26/06	38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-DIS-GWTS-I	10/17/06	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Building 854-Proximal[a]															
854-PRX-GWTS-E	7/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-PRX-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-PRX-GWTS-E	9/13/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-PRX-GWTS-E	10/3/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-PRX-GWTS-E	11/7/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-PRX-GWTS-I	7/6/06	54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
854-PRX-GWTS-I	10/3/06	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2.6-4 (Cont.). Building 854 OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro -form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
Building 854-Source															
854-SRC-GWTS-E	**7/6/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-E	**8/2/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-E	**9/20/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-E[d]	**10/2/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-E	**10/4/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-E	**11/7/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-E	**12/6/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-I	**7/6/06**	**160 D**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-I[d]	**9/20/06**	**62**	**<0.5**	**0.71**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-I[d]	**10/2/06**	**71**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
854-SRC-GWTS-I	**10/4/06**	**76**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Notes:

[a] **No facility effluent monitoring conducted in December because the treatment system was not operating due to freeze protection or freeze damage.**

[b] **Additional monitoring due to initial facility start-up.**

[c] **Additional monitoring due to detections of 1,2-DCA and methylene chloride in effluent sample collected on September 20, 2006.**

[d] **Additional monitoring due to start-up after wellfield expansion.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.6-4 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency	Methylene chloride (μg/L)
Building 854-Distal[a]			
854-DIS-GWTS-E	**7/12/06**	**0 of 18**	**-**
854-DIS-GWTS-E[b]	**7/20/06**	**0 of 18**	**-**
854-DIS-GWTS-E[b]	**7/26/06**	**0 of 18**	**-**
854-DIS-GWTS-E	**8/2/06**	**0 of 18**	**-**
854-DIS-GWTS-E	**9/20/06**	**1 of 18**	**30**
854-DIS-GWTS-E[c]	**9/26/06**	**0 of 18**	**-**
854-DIS-GWTS-E[c]	**9/28/06**	**0 of 18**	**-**
854-DIS-GWTS-E	**10/17/06**	**0 of 18**	**-**
854-DIS-GWTS-E	**11/7/06**	**0 of 18**	**-**
854-DIS-GWTS-I	**7/12/06**	**0 of 18**	**-**
854-DIS-GWTS-I[b]	**7/20/06**	**0 of 18**	**-**
854-DIS-GWTS-I[b]	**7/26/06**	**0 of 18**	**-**
854-DIS-GWTS-I	**10/17/06**	**0 of 18**	**-**
Building 854-Proximal[a]			
854-PRX-GWTS-E	**7/6/06**	**0 of 18**	**-**
854-PRX-GWTS-E	**8/2/06**	**0 of 18**	**-**
854-PRX-GWTS-E	**9/13/06**	**0 of 18**	**-**
854-PRX-GWTS-E	**10/3/06**	**0 of 18**	**-**
854-PRX-GWTS-E	**11/7/06**	**0 of 18**	**-**
854-PRX-GWTS-I	**7/6/06**	**0 of 18**	**-**
854-PRX-GWTS-I	**10/3/06**	**0 of 18**	**-**
Building 854-Source			
854-SRC-GWTS-E	**7/6/06**	**0 of 18**	**-**
854-SRC-GWTS-E	**8/2/06**	**0 of 18**	**-**
854-SRC-GWTS-E	**9/20/06**	**0 of 18**	**-**
854-SRC-GWTS-E[d]	**10/2/06**	**0 of 18**	**-**
854-SRC-GWTS-E	**10/4/06**	**0 of 18**	**-**
854-SRC-GWTS-E	**11/7/06**	**0 of 18**	**-**
854-SRC-GWTS-E	**12/6/06**	**0 of 18**	**-**
854-SRC-GWTS-I	**7/6/06**	**0 of 18**	**-**
854-SRC-GWTS-I[d]	**9/20/06**	**0 of 18**	**-**
854-SRC-GWTS-I[d]	**10/2/06**	**0 of 18**	**-**
854-SRC-GWTS-I	**10/4/06**	**0 of 18**	**-**

Table 2.6-5. Building 854 OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
Building 854-Distal [a]			
854-DIS-GWTS-E	7/12/06	5.8 D	<4
854-DIS-GWTS-E [b]	7/20/06	4.5	<4
854-DIS-GWTS-E [b]	7/26/06	5.1	<4
854-DIS-GWTS-E	8/2/06	3.6	<4
854-DIS-GWTS-E	9/20/06	<0.5	<4
854-DIS-GWTS-E	10/17/06	0.68	<4
854-DIS-GWTS-E	11/7/06	<0.5	<4
854-DIS-GWTS-I	7/12/06	24	<4
854-DIS-GWTS-I [b]	7/20/06	26	5
854-DIS-GWTS-I [b]	7/26/06	25	4.3
854-DIS-GWTS-I	10/17/06	11	5.2
Building 854-Proximal [a]			
854-PRX-GWTS-E	7/6/06	8.7	<4
854-PRX-GWTS-E [c]	8/2/06	-	-
854-PRX-GWTS-E [c]	8/7/06	-	<4
854-PRX-GWTS-E [c]	8/8/06	15	-
854-PRX-GWTS-E	9/13/06	17	<4
854-PRX-GWTS-E	10/3/06	16	<4
854-PRX-GWTS-E	11/7/06	19	<4
854-PRX-GWTS-I	7/6/06	46	12
854-PRX-GWTS-I	10/3/06	46	<4
Building 854-Source			
854-SRC-GWTS-E	7/6/06	44	<4
854-SRC-GWTS-E	8/2/06	47	<4
854-SRC-GWTS-E	9/20/06	53	<4
854-SRC-GWTS-E [d]	10/2/06	40	<4
854-SRC-GWTS-E	10/4/06	42	<4
854-SRC-GWTS-E	11/7/06	45	<4
854-SRC-GWTS-E	12/6/06	47	<4
854-SRC-GWTS-I	7/6/06	52	7.1
854-SRC-GWTS-I [d]	9/20/06	38	<4
854-SRC-GWTS-I [d]	10/2/06	41	4.9
854-SRC-GWTS-I	10/4/06	49	4.4

Notes:

[a] **No facility effluent monitoring conducted in December because the treatment system was not operating due to freeze protection or freeze damage.**

[b] **Additional monitoring due to initial facility start-up.**

[c] **Results not reported for effluent samples collected on August 2, 2006 because analytical data was qualified as suspect data; resampling conducted August 7 and and 8.**

[d] **Additional monitoring due to start-up after wellfield expansion.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.6-6. Building 854 OU treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
854-SRC GWTS			
Influent Port	W-854-02-STU08-I / STU08-I[a]	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	STU08-E	VOCs	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly
854-SRC SVE			
Influent Port	VES06-I	No Monitoring Requirements	
Effluent Port	VES06-E	VOCs	Weekly[b]
Intermediate GAC	VES06-CF3I	VOCs	Weekly[b]
854-PRX GWTS			
Influent Port	W-854-03-STU02-I	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	STU02-E	VOCs	Monthly
Effluent Port	BTU03-E	Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly
854-DIS GWTS			
Influent Port	W-854-2139-854-DIS-I	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	854-DIS-E	VOCs	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly

Notes:

One duplicate and one blank (given fictitious labels) shall be taken for every 12 samples.

[a] **Due to well field expansion completed in September 2006, influent samples were then collected under the sample ID STU08-I.**

[b] **Weekly monitoring for VOCs will consist of the use of a flame-ionization detector, photo-ionization detector, or other District-approved VOC detection device.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.6-7. Building 854 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
SPRING10	SPR	Qls	Q	CMP	E601	1	Y	
SPRING10	SPR	Qls	Q	CMP	E601	2	Y	
SPRING10	SPR	Qls	Q	CMP	E601	3	Y	
SPRING10	SPR	Qls	Q	CMP	E601	4	Y	
SPRING10	SPR	Qls	A	CMP	E300.0:NO3	2	Y	
SPRING10	SPR	Qls	A	CMP	E300.0:PERC	2	Y	
SPRING11	SPR	Qls-$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
SPRING11	SPR	Qls-$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
SPRING11	SPR	Qls-$Tnbs_1$	Q	CMP	E601	1	Y	
SPRING11	SPR	Qls-$Tnbs_1$	Q	CMP	E601	2	Y	
SPRING11	SPR	Qls-$Tnbs_1$	Q	CMP	E601	3	Y	
SPRING11	SPR	Qls-$Tnbs_1$	Q	CMP	E601	4	Y	
SPRING18	SPR	$Tnbs_1$		DIS	AS:UISO	2	Y	
SPRING18	SPR	$Tnbs_1$		DIS	DWMETALS	2	Y	
SPRING18	SPR	$Tnbs_1$		DIS	E210.2	2	Y	
SPRING18	SPR	$Tnbs_1$		DIS	E601	2	Y	
SPRING18	SPR	$Tnbs_1$		DIS	E8330:R+H	2	Y	
SPRING18	SPR	$Tnbs_1$		DIS	E900	2	Y	
SPRING18	SPR	$Tnbs_1$		DIS	E906	2	Y	
W-854-01	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-01	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-01	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-01	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-02	EW	$Tnbs_1$	A	CMP-TF	E300.0:NO3	2	Y	B854-SRC extraction well.
W-854-02	EW	$Tnbs_1$	A	CMP-TF	E300.0:PERC	2	Y	B854-SRC extraction well.
W-854-02	EW	$Tnbs_1$	S	CMP-TF	E601	2	Y	B854-SRC extraction well.
W-854-02	EW	$Tnbs_1$	S	CMP-TF	E601	4		B854-SRC extraction well.
W-854-03	EW	$Tnbs_1$	A	CMP-TF	E300.0:NO3	2	Y	B854-PRX extraction well.
W-854-03	EW	$Tnbs_1$	A	CMP-TF	E300.0:PERC	2	Y	B854-PRX extraction well.
W-854-03	EW	$Tnbs_1$	S	CMP-TF	E601	2	Y	B854-PRX extraction well.
W-854-03	EW	$Tnbs_1$	S	CMP-TF	E601	4		B854-PRX extraction well.
W-854-04	MWPT	Tmss	A	CMP	E300.0:NO3	2	Y	
W-854-04	MWPT	Tmss	A	CMP	E300.0:PERC	2	Y	
W-854-04	MWPT	Tmss	S	CMP	E601	2	Y	
W-854-04	MWPT	Tmss	S	CMP	E601	4	Y	
W-854-05	MWPT	Qls-$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-05	MWPT	Qls-$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-05	MWPT	Qls-$Tnbs_1$	S	CMP	E601	2	Y	
W-854-05	MWPT	Qls-$Tnbs_1$	S	CMP	E601	4	Y	
W-854-06	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-06	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-06	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-06	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	

Table 2.6-7. Building 854 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-854-07	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-07	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-07	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-07	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-08	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-08	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-08	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-08	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-09	MWPT	$Tnsbs_0$	A	CMP	E300.0:NO3	2	Y	
W-854-09	MWPT	$Tnsbs_0$	A	CMP	E300.0:PERC	2	Y	
W-854-09	MWPT	$Tnsbs_0$	S	CMP	E601	2	Y	
W-854-09	MWPT	$Tnsbs_0$	S	CMP	E601	4	Y	
W-854-10	MWPT	$Tnsbs_0$	A	CMP	E300.0:NO3	2	Y	
W-854-10	MWPT	$Tnsbs_0$	A	CMP	E300.0:PERC	2	Y	
W-854-10	MWPT	$Tnsbs_0$	S	CMP	E601	2	Y	
W-854-10	MWPT	$Tnsbs_0$	S	CMP	E601	4	Y	
W-854-11	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Dry.
W-854-11	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	N	Dry.
W-854-11	MWPT	$Tnbs_1$	S	CMP	E601	2	N	Dry.
W-854-11	MWPT	$Tnbs_1$	S	CMP	E601	4	N	Dry.
W-854-12	MWPT	Tmss	B	CMP	E300.0:NO3	2	N	Dry. Due to dryness, frequency changed to biennial. Next sample required 2ndQ 2008.
W-854-12	MWPT	Tmss	B	CMP	E300.0:PERC	2	N	Dry. Due to dryness, frequency changed to biennial. Next sample required 2ndQ 2008.
W-854-12	MWPT	Tmss	B	CMP	E601	2	N	Dry. Due to dryness, frequency changed to biennial. Next sample required 2ndQ 2008.
W-854-13	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-13	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-13	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-13	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	
W-854-13	MWPT	$Tnsc_0$	B	CMP	E8082A	2	NA	Next sample required 2ndQ 2007.
W-854-14	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-14	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-14	MWPT	$Tnbs_1$	A	CMP	E601	2	Y	
W-854-15	MWPT	Qls	A	CMP	E300.0:NO3	2	Y	
W-854-15	MWPT	Qls	A	CMP	E300.0:PERC	2	Y	
W-854-15	MWPT	Qls	S	CMP	E601	2	Y	
W-854-15	MWPT	Qls	S	CMP	E601	4	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	S	CMP	E601	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	S	CMP	E601	4	Y	

Table 2.6-7. Building 854 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-854-1701	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1701	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1701	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1701	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	
W-854-1706	MWPT	Qal-$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Dry.
W-854-1706	MWPT	Qal-$Tnbs_1$	A	CMP	E300.0:PERC	2	N	Dry.
W-854-1706	MWPT	Qal-$Tnbs_1$	A	CMP	E601	2	N	Dry.
W-854-1707	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1707	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1707	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1707	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	
W-854-1731	MWPT	Tmss	A	CMP	E300.0:NO3	2	Y	
W-854-1731	MWPT	Tmss	A	CMP	E300.0:PERC	2	Y	
W-854-1731	MWPT	Tmss	S	CMP	E601	2	Y	
W-854-1731	MWPT	Tmss	S	CMP	E601	4	Y	
W-854-1822	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-1822	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-1822	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-1822	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	4	Y	
W-854-18A	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-18A	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-18A	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-18A	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-19	MWPT	Qls	A	CMP	E300.0:NO3	2	N	Dry.
W-854-19	MWPT	Qls	A	CMP	E300.0:PERC	2	N	Dry.
W-854-19	MWPT	Qls	A	CMP	E601	2	N	Dry.
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	4	Y	
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	E900	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	DWMETALS	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	GENMIN	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	E200.7:SiO2	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	MS:UISO	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	E906	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$		Baseline	E8330:R+H	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$	A	Baseline/CMP	E300.0:NO3	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$	A	Baseline/CMP	E300.0:PERC	1	Y	New well.

Table 2.6-7. Building 854 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$	S	Baseline/CMP	E624	1	Y	New well.
W-854-2115	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	4	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E900	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	DWMETALS	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	GENMIN	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E200.7:SiO2	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	MS:UISO	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E906	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E8330:R+H	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E300.0:NO3	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E300.0:PERC	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$		Baseline	E624	1	Y	New well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$	S	CMP-TF	E601	2	NA	Facility under construction. Sample collected first quarter. B854-DIS extraction well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$	S	CMP-TF	E601	4		B854-DIS extraction well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$	A	CMP-TF	E300.0:PERC	2	NA	Facility under construction. Sample collected first quarter. B854-DIS extraction well.
W-854-2139	EW	$Tnsbs_1$-$Tnsc_0$	A	CMP-TF	E300.0:NO3	2	NA	Facility under construction. Sample collected first quarter. B854-DIS extraction well.
W-854-2218	EW	$Tnbs_1$		Baseline	E900	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	DWMETALS	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	GENMINDISS	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E200.7:SiO2	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	MS:UISO	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E906	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E8330:R+H	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E300.0:NO3	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E300.0:PERC	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E624	3	Y	New well.
W-854-2218	EW	$Tnbs_1$		Baseline	E601	3	Y	New well.
W-854-45	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-45	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-45	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-45	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-F2	MWPT	Qls-$Tnbs_1$	B	CMP	E300.0:NO3	2	NA	Next sample required 2ndQ 2007.
W-854-F2	MWPT	Qls-$Tnbs_1$	B	CMP	E300.0:PERC	2	NA	Next sample required 2ndQ 2007.
W-854-F2	MWPT	Qls-$Tnbs_1$	B	CMP	E601	2	NA	Next sample required 2ndQ 2007.

Notes:

Building 854 primary Contaminants of Concern in Ground Water: VOCs (E601 or E624).

Building 854 secondary COC: nitrate (E300:NO3).

Building 854 secondary COC: perchlorate (E300.0:PERC).

Contaminants of Concern in the Vadose Zone not detected in Ground Water: PCBs.

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.6-8. Building 854-Source (854-SRC) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
854-SRC	July	300	19	0.84	6.2	NA	NA
	August	420	6.5	0.29	2.1	NA	NA
	September	380	2.8	0.086	1.2	NA	NA
	October	440	9.4	0.52	5.8	NA	NA
	November	320	34	2.1	21	NA	NA
	December	260	44	1.4	28	NA	NA
Total		2,100	110	5.2	64	NA	NA

Table 2.6-9. Building 854-Proximal (854-PRX) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
854-PRX	July	NA	8.4	1.9	7.1	NA	NA
	August	NA	9.2	2.0	7.8	NA	NA
	September	NA	7.3	1.6	6.2	NA	NA
	October	NA	7.2	0	6.6	NA	NA
	November	NA	3.4	0	3.1	NA	NA
	December	NA	0	0	0	NA	NA
Total		NA	35	5.5	31	NA	NA

Table 2.6-10. Building 854-Distal (854-DIS) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
854-DIS	July	NA	< 0.0001	0	0.038	NA	NA
	August	NA	< 0.0001	0	0.055	NA	NA
	September	NA	< 0.0001	0	0.027	NA	NA
	October	NA	< 0.0001	0.015	0.032	NA	NA
	November	NA	< 0.0001	0.012	0.026	NA	NA
	December	NA	0	0	0	NA	NA
Total		NA	0.00028	0.027	0.18	NA	NA

Table 2.7-1. Building 832-Source (832-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
832-SRC	July	792	792	38	9,150
	August	672	672	44	10,849
	September	720	720	66	7,418
	October	816	816	125	7,329
	November	648	648	111	5,030
	December	672	672	119	2,703
Total		4,320	4,320	503	42,479

Table 2.7-2. Building 830-Source (830-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
830-SRC	July	792	99	773	4,363
	August	550	142	543	4,047
	September	164	25	83	1,100
	October	52	10	24	818
	November	0	215	0	24,516
	December	0	3	0	328
Total		1,558	494	1,423	35,172

Table 2.7-3. Building 830-Distal South (830-DISS) volumes of ground water and soil vapor extracted and discharged, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
830-DISS	July	NA	711	NA	42,200
	August	NA	672	NA	46,500
	September	NA	720	NA	41,400
	October	NA	696	NA	38,000
	November	NA	696	NA	36,500
	December	NA	0	NA	0
Total		NA	3,495	NA	204,600

Table 2.7-4. Building 832 Canyon OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
***Building 830-Distal South*[a]**															
830-DISS-GWTS-E	7/5/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-DISS-GWTS-E	8/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-DISS-GWTS-E	9/6/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-DISS-GWTS-E	10/2/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-DISS-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-DISS-GWTS-I	7/5/06	95 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-DISS-GWTS-I	10/2/06	99	<0.5	0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Building 830-Source															
830-SRC-GWTS-E	7/10/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E	8/9/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E	9/5/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E[b]	9/14/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E[b]	9/19/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E	10/3/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E	11/1/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
830-SRC-GWTS-E	12/13/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2.7-4 (Cont.). Building 832 Canyon OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
Building 830-Source (cont.)															
830-SRC-GWTS-I	**7/10/06**	**1,500 D**	**<2.5D**	**<2.5D**	**<2.5 D**	**<2.5 D**	**<2.5 D**	**<2.5D**	**<2.5D**	**<2.5D**	**<2.5D**	**<2.5D**	**<2.5D**	**<2.5D**	**<2.5 D**
830-SRC-GWTS-I	**10/3/06**	**780 D**	**0.89**	**1.4**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Building 832-Source															
832-SRC-GWTS-E	**7/6/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E[b]	**7/18/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E[b]	**7/25/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E	**8/2/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E	**9/6/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E	**10/2/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E	**11/1/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-E	**12/6/06**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-I	**7/6/06**	**98**	**<0.5**	**2.4**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-I[b]	**7/18/06**	**130 D**	**<0.5**	**3.5**	**<0.5**	**<0.5**	**0.61**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-I[b]	**7/25/06**	**120 D**	**<0.5**	**3.5**	**<0.5**	**<0.5**	**0.58**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
832-SRC-GWTS-I	**10/2/06**	**98 D**	**<0.5**	**2.9**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Notes:

[a] **No facility effluent monitoring conducted in December because the treatment system was not operating due to freeze protection or freeze damage.**

[b] **Additional monitoring due to wellfield expansion.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.7-4 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency	1,2-Dichloroethene (total) (μg/L)	Methylene chloride (μg/L)
Building 830-Distal South[a]				
830-DISS-GWTS-E	7/5/06	0 of 18	-	-
830-DISS-GWTS-E	8/2/06	0 of 18	-	-
830-DISS-GWTS-E	9/6/06	0 of 18	-	-
830-DISS-GWTS-E	10/2/06	0 of 18	-	-
830-DISS-GWTS-E	11/1/06	0 of 18	-	-
830-DISS-GWTS-I	7/5/06	0 of 18	-	-
830-DISS-GWTS-I	10/2/06	0 of 18	-	-
Building 830-Source				
830-SRC-GWTS-E	7/10/06	0 of 18	-	-
830-SRC-GWTS-E	8/9/06	0 of 18	-	-
830-SRC-GWTS-E	9/5/06	0 of 18	-	-
830-SRC-GWTS-E[b]	9/14/06	0 of 18	-	-
830-SRC-GWTS-E[b]	9/19/06	0 of 18	-	-
830-SRC-GWTS-E	10/3/06	0 of 18	-	-
830-SRC-GWTS-E	11/1/06	0 of 18	-	-
830-SRC-GWTS-E	12/13/06	0 of 18	-	-
830-SRC-GWTS-I	7/10/06	0 of 18	-	-
830-SRC-GWTS-I	10/3/06	2 of 18	1.5	3.9
Building 832-Source				
832-SRC-GWTS-E	7/6/06	0 of 18	-	-
832-SRC-GWTS-E[b]	7/18/06	0 of 18	-	-
832-SRC-GWTS-E[b]	7/25/06	0 of 18	-	-
832-SRC-GWTS-E	8/2/06	0 of 18	-	-
832-SRC-GWTS-E	9/6/06	0 of 18	-	-
832-SRC-GWTS-E	10/2/06	0 of 18	-	-
832-SRC-GWTS-E	11/1/06	0 of 18	-	-
832-SRC-GWTS-E	12/6/06	0 of 18	-	-
832-SRC-GWTS-I	7/6/06	1 of 18	2.4	-
832-SRC-GWTS-I[b]	7/18/06	1 of 18	3.5	-
832-SRC-GWTS-I[b]	7/25/06	1 of 18	3.5	-
832-SRC-GWTS-I	10/2/06	1 of 18	2.9	-

2.7-5. Building 832 Canyon OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
Building 830-Distal South[a]			
830-DISS-GWTS-E	7/5/06	<0.5	<4
830-DISS-GWTS-E	8/2/06	12	<4
830-DISS-GWTS-E	9/6/06	<0.5	<4
830-DISS-GWTS-E	10/2/06	8.2	<4
830-DISS-GWTS-E	11/1/06	<1 D	<4
830-DISS-GWTS-I	7/5/06	62	5.1
830-DISS-GWTS-I	10/2/06	58	5.2
Building 830-Source			
830-SRC-GWTS-E	7/10/06	120 D	<4
830-SRC-GWTS-E	8/9/06	110 D	<4
830-SRC-GWTS-E	9/5/06	85 D	<4
830-SRC-GWTS-E[b]	9/14/06	85	<4
830-SRC-GWTS-E[b]	9/19/06	12 D	<4
830-SRC-GWTS-E	10/3/06	81 D	<4
830-SRC-GWTS-E	11/1/06	120 D	<8 D
830-SRC-GWTS-E	12/13/06	11	<4
830-SRC-GWTS-I	7/10/06	79	<4
830-SRC-GWTS-I	10/3/06	49 D	12
Building 832-Source			
832-SRC-GWTS-E	7/6/06	81	<4
832-SRC-GWTS-E[b]	7/18/06	93 D	<4
832-SRC-GWTS-E[b]	7/25/06	100 D	<4
832-SRC-GWTS-E	8/2/06	80 D	<4
832-SRC-GWTS-E	9/6/06	91 D	<4
832-SRC-GWTS-E	10/2/06	65 D	<4
832-SRC-GWTS-E	11/1/06	79 D	<4
832-SRC-GWTS-E	12/6/06	85 D	<4
832-SRC-GWTS-I	7/6/06	99 D	8.9
832-SRC-GWTS-I[b]	7/18/06	90 D	8.6
832-SRC-GWTS-I[b]	7/25/06	85	9.2
832-SRC-GWTS-I	10/2/06	94 D	9.8

Notes:

[a] **No facility effluent monitoring conducted in December because the treatment system was not operating due to freeze protection or freeze damage.**

[b] **Additional monitoring due to wellfield expansion.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.7-6. Building 832 Canyon OU treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
832-SRC GWTS			
Influent Port	**TF-832-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**TF-832-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**Monthly**
832-SRC SVE			
Influent Port	**TF-832-SVI**	**No Monitoring Requirements**	
Effluent Port	**TF-832-SVE**	**VOCs**	**Weekly**[a]
Intermediate GAC	**TF-832-VCF4I**	**VOCs**	**Weekly**[a]
830-SRC GWTS			
Influent Port	**GTU05-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		PH	**Quarterly**
Effluent Port	**GTU05-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**Monthly**
830-SRC SVE			
Influent Port	**VES15-I**	**No Monitoring Requirements**	
Effluent Port	**VES15-E**	**VOCs**	**Weekly**[a]
Intermediate GAC	**VES15-CF3I**	**VOCs**	**Weekly**[a]

Table 2.7-6 (Cont.). Building 832 Canyon treatment facility sampling and analysis plans.

Sample Location	Sample Identification	Parameter	Frequency
830-DISS GWTS			
Influent Port	TF830DS-I	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	TF830DS-E	VOCs	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly

Notes:

One duplicate and one blank (given fictitious labels) shall be taken for every 12 samples.

[a] **Weekly monitoring for VOCs will consist of the use of a flame-ionization detector, photo-ionization detector, or other District-approved VOC detection device.**

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
SPRING3	SPR	Qal	A	CMP	E300.0:NO3	1	Y	
SPRING3	SPR	Qal	A	CMP	E300.0:PERC	1	Y	
SPRING3	SPR	Qal	S	CMP	E601	1	Y	
SPRING3	SPR	Qal	S	CMP	E601	3	Y	
SPRING4	SPR	Tps	B	CMP	E300.0:NO3	1	NA	Next sample required 1ndQ 2007.
SPRING4	SPR	Tps	B	CMP	E300.0:PERC	1	NA	Next sample required 1ndQ 2007.
SPRING4	SPR	Tps	B	CMP	E601	1	NA	Next sample required 1ndQ 2007.
SVI-830-031	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
SVI-830-031	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
SVI-830-031	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
SVI-830-031	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
SVI-830-032	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Dry.
SVI-830-032	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Dry.
SVI-830-032	MWPT	$Tnsc_1$	S	CMP	E601	1	N	Dry.
SVI-830-032	MWPT	$Tnsc_1$	S	CMP	E601	3	N	Dry.
SVI-830-033	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Insufficient water.
SVI-830-033	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Insufficient water.
SVI-830-033	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
SVI-830-033	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
SVI-830-035	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
SVI-830-035	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
SVI-830-035	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
SVI-830-035	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	A	CMP	E300.0:NO3	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	A	CMP	E300.0:PERC	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	S	CMP	E601	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	S	CMP	E601	3	Y	
W-830-07	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-830-07	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-830-07	MWPT	$Tnsc_1$	S	CMP	E601	1	N	Insufficient water.
W-830-07	MWPT	$Tnsc_1$	S	CMP	E601	3	N	Dry.
W-830-09	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-10	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-10	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-11	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:NO3	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:PERC	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	S	CMP	E601	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	S	CMP	E601	3	Y	
W-830-12	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-830-13	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-830-13	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-830-13	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-830-13	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-830-14	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-15	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	Water from casing flowing into Christy box.
W-830-15	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	Water from casing flowing into Christy box.
W-830-15	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	Water from casing flowing into Christy box.
W-830-15	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	1	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	3	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	1	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	3	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	1	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	2	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	3	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	4	Y	
W-830-17	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-830-17	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-830-17	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-830-17	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	1	Y	
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	3	Y	
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	1	Y	
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	3	Y	
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	1	Y	
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	2	Y	
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	3	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	4	Y	
W-830-18	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$		DIS	E300.0:NO3	3	Y	
W-830-18	MWPT	Upper $Tnbs_1$		DIS	E300.0:PERC	3	Y	
W-830-18	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-1807	EW	Qal/$Tnsc_1$	A	CMP-TF	E300.0:NO3	1	Y	B830-SRC extraction well.
W-830-1807	EW	Qal/$Tnsc_1$	A	CMP-TF	E300.0:PERC	1	Y	B830-SRC extraction well.
W-830-1807	EW	Qal/$Tnsc_1$		DIS-TF	E300.0:NO3	3	Y	B830-SRC extraction well.
W-830-1807	EW	Qal/$Tnsc_1$		DIS-TF	E300.0:PERC	3	Y	B830-SRC extraction well.
W-830-1807	EW	Qal/$Tnsc_1$	S	CMP-TF	E601	1	Y	B830-SRC extraction well.
W-830-1807	EW	Qal/$Tnsc_1$	S	CMP-TF	E601	3	Y	B830-SRC extraction well.
W-830-1829	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$		DIS	E300.0:NO3	3	Y	
W-830-1829	MWPT	$Tnsc_{1b}$		DIS	E300.0:PERC	3	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	1	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	3	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	1	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	3	Y	
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	1	Y	
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	2	Y	
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	3	Y	
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	4	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-19	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B830-SRC extraction well.
W-830-19	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B830-SRC extraction well.
W-830-19	EW	$Tnsc_{1b}$		DIS-TF	E300.0:NO3	3	Y	B830-SRC extraction well.
W-830-19	EW	$Tnsc_{1b}$		DIS-TF	E300.0:PERC	3	Y	B830-SRC extraction well.
W-830-19	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B830-SRC extraction well.
W-830-19	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B830-SRC extraction well.
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:NO3	1	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	1	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	2	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	3	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	4	Y	
W-830-21	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$		DIS	E300.0:NO3	3	Y	
W-830-21	MWPT	$Tnsc_{1b}$		DIS	E300.0:PERC	3	Y	
W-830-21	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-22	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:NO3	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:PERC	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$		DIS	E300.0:NO3	3	Y	
W-830-22	MWPT	$Tnsc_{1a}$		DIS	E300.0:PERC	3	Y	
W-830-22	MWPT	$Tnsc_{1a}$	S	CMP	E601	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	S	CMP	E601	3	Y	
W-830-2213	EW	$Tnsc_{1b}$		Baseline	DWMETALS	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		Baseline	E200.7:SiO2	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$	A	Baseline/CMP	E300.0:NO3	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$	A	Baseline/CMP	E300.0:PERC	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		DIS	E300.0:NO3	3	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		DIS	E300.0:PERC	3	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$	S	Baseline/CMP	E624	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		Baseline	E8330:R+H	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		Baseline	E900	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		Baseline	E906	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		Baseline	GENMINDISS	2	Y	New well. B830-SRC extraction well.
W-830-2213	EW	$Tnsc_{1b}$		Baseline	MS:UISO	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		Baseline	DWMETALS	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		Baseline	E200.7:SiO2	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		DIS	E300.0:NO3	3	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		DIS	E300.0:PERC	3	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$	A	Baseline/CMP	E300.0:NO3	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$	A	Baseline/CMP	E300.0:PERC	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$	S	CMP	E601	3	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$	S	Baseline/CMP	E624	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		Baseline	E8330:R+H	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		Baseline	E900	2	Y	New well. B830-SRC extraction well.

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-2214	EW	$Tnsc_{1a}$		Baseline	E906	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		Baseline	GENMINDISS	2	Y	New well. B830-SRC extraction well.
W-830-2214	EW	$Tnsc_{1a}$		Baseline	MS:UISO	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	DWMETALS	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	E200.7:SiO2	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$	A	Baseline/CMP	E300.0:NO3	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$	A	Baseline/CMP	E300.0:PERC	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		DIS	E300.0:NO3	3	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		DIS	E300.0:PERC	3	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$	S	Baseline/CMP	E624	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$	S	CMP	E601	3	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	E8330:R+H	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	E900	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	E906	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	GENMINDISS	2	Y	New well. B830-SRC extraction well.
W-830-2215	EW	Upper $Tnbs_1$		Baseline	MS:UISO	2	Y	New well. B830-SRC extraction well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	DWMETALS	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	E200.7:SiO2	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$	A	Baseline/CMP	E300.0:NO3	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		DIS	E300.0:NO3	3	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		DIS	E300.0:PERC	3	Y	New well.
W-830-2216	MWPT	$Tnbs_2$	A	Baseline/CMP	E300.0:PERC	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	E624	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	E8330:R+H	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	E900	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	E906	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	GENMINDISS	1	Y	New well.
W-830-2216	MWPT	$Tnbs_2$		Baseline	MS:UISO	1	Y	New well.
W-830-25	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-26	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-27	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:NO3	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:PERC	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$		DIS	E300.0:NO3	3	Y	
W-830-27	MWPT	$Tnsc_{1a}$		DIS	E300.0:PERC	3	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-27	MWPT	$Tnsc_{1a}$	S	CMP	E601	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	S	CMP	E601	3	Y	
W-830-28	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$		DIS	E300.0:NO3	3	Y	
W-830-28	MWPT	Upper $Tnbs_1$		DIS	E300.0:PERC	3	Y	
W-830-28	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-29	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-830-30	MWPT	$Qal/Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-830-30	MWPT	$Qal/Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-830-30	MWPT	$Qal/Tnsc_1$	S	CMP	E601	1	Y	
W-830-30	MWPT	$Qal/Tnsc_1$	S	CMP	E601	3	Y	
W-830-34	MWPT	$Qal/Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-830-34	MWPT	$Qal/Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-830-34	MWPT	$Qal/Tnsc_1$	S	CMP	E601	1	Y	
W-830-34	MWPT	$Qal/Tnsc_1$	S	CMP	E601	3	Y	
W-830-49	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$		DIS	E300.0:NO3	3	Y	
W-830-49	MWPT	$Tnsc_{1b}$		DIS	E300.0:PERC	3	Y	
W-830-49	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-50	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-51	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B830-DISS extraction well.
W-830-51	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B830-DISS extraction well.
W-830-51	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B830-DISS extraction well.
W-830-51	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B830-DISS extraction well.
W-830-52	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B830-DISS extraction well.
W-830-52	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B830-DISS extraction well.
W-830-52	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B830-DISS extraction well.
W-830-52	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B830-DISS extraction well.
W-830-53	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B830-DISS extraction well.
W-830-53	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B830-DISS extraction well.
W-830-53	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B830-DISS extraction well.
W-830-53	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B830-DISS extraction well.

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-54	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:NO3	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:PERC	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	S	CMP	E601	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	S	CMP	E601	3	Y	
W-830-55	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-56	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-57	EW	Upper $Tnbs_1$	A	CMP-TF	E300.0:NO3	1	Y	B830-PRXN extraction well.
W-830-57	EW	Upper $Tnbs_1$	A	CMP-TF	E300.0:PERC	1	Y	B830-PRXN extraction well.
W-830-57	EW	Upper $Tnbs_1$	S	CMP-TF	E601	1	Y	B830-PRXN extraction well.
W-830-57	EW	Upper $Tnbs_1$	S	CMP-TF	E601	3	N	Future B830-SRC extraction well. Disconnected during 3rdQ.
W-830-58	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-58	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-58	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-58	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-59	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B830-SRC extraction well.
W-830-59	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B830-SRC extraction well.
W-830-59	EW	$Tnsc_{1b}$		DIS-TF	E300.0:NO3	3	Y	B830-SRC extraction well.
W-830-59	EW	$Tnsc_{1b}$		DIS-TF	E300.0:PERC	3	Y	B830-SRC extraction well.
W-830-59	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B830-SRC extraction well.
W-830-59	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B830-SRC extraction well.
W-830-60	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-831-01	MWB	Upper $Tnbs_1$	B	CMP	E300.0:NO3	1	NA	Next sample required 1ndQ 2007.
W-831-01	MWB	Upper $Tnbs_1$	B	CMP	E300.0:PERC	1	NA	Next sample required 1ndQ 2007.
W-831-01	MWB	Upper $Tnbs_1$	B	CMP	E601	1	NA	Next sample required 1ndQ 2007.
W-832-01	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B832-SRC extraction well.
W-832-01	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B832-SRC extraction well.
W-832-01	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B832-SRC extraction well.
W-832-01	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B832-SRC extraction well.
W-832-09	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-10	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B832-SRC extraction well.
W-832-10	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B832-SRC extraction well.
W-832-10	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B832-SRC extraction well.
W-832-10	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B832-SRC extraction well.
W-832-11	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:NO3	1	Y	B832-SRC extraction well.
W-832-11	EW	$Tnsc_{1b}$	A	CMP-TF	E300.0:PERC	1	Y	B832-SRC extraction well.
W-832-11	EW	$Tnsc_{1b}$	S	CMP-TF	E601	1	Y	B832-SRC extraction well.
W-832-11	EW	$Tnsc_{1b}$	S	CMP-TF	E601	3	Y	B832-SRC extraction well.
W-832-12	EW	Qal/fill	A	CMP-TF	E300.0:NO3	1	Y	B832-SRC extraction well.
W-832-12	EW	Qal/fill	A	CMP-TF	E300.0:PERC	1	Y	B832-SRC extraction well.
W-832-12	EW	Qal/fill	S	CMP-TF	E601	1	Y	B832-SRC extraction well.
W-832-12	EW	Qal/fill	S	CMP-TF	E601	3	Y	B832-SRC extraction well.
W-832-13	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-13	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-13	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-13	MWPT	Qal/fill	S	CMP	E601	3	Y	
W-832-14	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-14	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-14	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-14	MWPT	Qal/fill	S	CMP	E601	3	N	Insufficient water.
W-832-15	EW	Qal/fill	A	CMP-TF	E300.0:NO3	1	Y	B832-SRC extraction well.
W-832-15	EW	Qal/fill	A	CMP-TF	E300.0:PERC	1	Y	B832-SRC extraction well.
W-832-15	EW	Qal/fill	S	CMP-TF	E601	1	Y	B832-SRC extraction well.
W-832-15	EW	Qal/fill	S	CMP-TF	E601	3	Y	B832-SRC extraction well.
W-832-15	EW	Qal/fill	B	CMP-TF	E8330:R+H	2	Y	B832-SRC extraction well. Next sample required 2ndQ 2008.
W-832-16	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-16	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-16	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-16	MWPT	Qal/fill	S	CMP	E601	3	N	Insufficient water.
W-832-17	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-17	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-17	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-17	MWPT	Qal/fill	S	CMP	E601	3	N	Insufficient water.
W-832-18	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-18	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-18	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-18	MWPT	Qal/fill	S	CMP	E601	3	N	Insufficient water.
W-832-19	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-19	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-19	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-19	MWPT	Qal/fill	S	CMP	E601	3	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-1927	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-20	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-20	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-20	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-20	MWPT	Qal/fill	S	CMP	E601	3	N	Insufficient water.
W-832-21	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-21	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-21	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-21	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-2112	GW	Upper $Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-832-2112	GW	Upper $Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-832-2112	GW	Upper $Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
W-832-2112	GW	Upper $Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
W-832-2112	GW	Upper $Tnbs_1$	Q	CMP	E601	1	Y	
W-832-2112	GW	Upper $Tnbs_1$	Q	CMP	E601	2	Y	
W-832-2112	GW	Upper $Tnbs_1$	Q	CMP	E601	3	Y	
W-832-2112	GW	Upper $Tnbs_1$	Q	CMP	E601	4	Y	
W-832-22	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-22	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-22	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water.
W-832-22	MWPT	Qal/fill	S	CMP	E601	3	N	Insufficient water.
W-832-23	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-832-23	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-832-23	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-832-23	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-24	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-25	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	New B832-SRC extraction well.
W-832-25	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	New B832-SRC extraction well.
W-832-25	EW	$Tnsc_{1b}$		DIS-TF	E300.0:NO3	3	Y	New B832-SRC extraction well.
W-832-25	EW	$Tnsc_{1b}$		DIS-TF	E300.0:PERC	3	Y	New B832-SRC extraction well.
W-832-25	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	New B832-SRC extraction well.
W-832-25	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	New B832-SRC extraction well.
W-832-SC1	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-832-SC1	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-832-SC1	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC1	MWPT	Qal	S	CMP	E601	3	Y	

Table 2.7-7. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-SC2	MWPT	Qal	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-SC2	MWPT	Qal	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-SC2	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC2	MWPT	Qal	S	CMP	E601	3	N	Dry.
W-832-SC3	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-832-SC3	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-832-SC3	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC3	MWPT	Qal	S	CMP	E601	3	N	Dry.
W-832-SC4	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-832-SC4	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-832-SC4	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC4	MWPT	Qal	S	CMP	E601	3	Y	Limited quantity, silty sample.
W-870-01	MWPT	Qal	A	CMP	E300.0:NO3	1	N	Dry.
W-870-01	MWPT	Qal	A	CMP	E300.0:PERC	1	N	Dry.
W-870-01	MWPT	Qal	S	CMP	E601	1	N	Dry.
W-870-01	MWPT	Qal	S	CMP	E601	3	N	Dry.
W-870-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-870-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-870-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-870-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:NO3	NA	NA	See High Explosives Process Area
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:PERC	NA	NA	See High Explosives Process Area
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	NA	NA	See High Explosives Process Area
W-880-02	GW	Qal	S	CMP	E300.0:NO3	NA	NA	See High Explosives Process Area
W-880-02	GW	Qal	S	CMP	E300.0:PERC	NA	NA	See High Explosives Process Area
W-880-02	GW	Qal	Q	CMP	E601	NA	NA	See High Explosives Process Area
W-880-03	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	NA	NA	See High Explosives Process Area
W-880-03	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	NA	NA	See High Explosives Process Area
W-880-03	GW	$Tnsc_{1b}$	Q	CMP	E601	NA	NA	See High Explosives Process Area

Notes:

Building 830 primary Contaminants of Concern in Ground Water: VOCs (E601 or E624).

Building 830 secondary COC: nitrate (E300:NO3).

Building 830 secondary COC: perchlorate (E300.0:PERC).

Building 832 primary Contaminants of Concern in Ground Water: VOCs (E601 or E624).

Building 832 secondary COC: nitrate (E300:NO3).

Building 832 secondary COC: perchlorate (E300.0:PERC).

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.7-8. Building 832-Source (832-SRC) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
832-SRC	July	2.9	3.0	0.37	3.3	NA	NA
	August	3.3	4.4	0.39	3.5	NA	NA
	September	5.0	3.0	0.26	2.3	NA	NA
	October	15	2.7	0.26	2.4	NA	NA
	November	13	1.8	0.18	1.7	NA	NA
	December	0	0.36	0.12	1.2	NA	NA
Total		40	15	1.6	14	NA	NA

Table 2.7-9. Building 830-Source (830-SRC) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
830-SRC	July	660	21	0.035	1.4	NA	NA
	August	230	13	0.011	1.1	NA	NA
	September	1,000	20	0.013	0.58	NA	NA
	October	320	7.0	0.021	0.27	NA	NA
	November	0	8.5	0.11	1.7	NA	NA
	December	0	0.43	0.0093	0.071	NA	NA
Total		2,300	70	0.20	5.0	NA	NA

Table 2.7-10. Building 830-Distal South (830-DISS) mass removed, July 1, 2006 through December 31, 2006.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
830-DISS	July	NA	16	1.1	10	NA	NA
	August	NA	18	1.1	11	NA	NA
	September	NA	16	1.0	9.9	NA	NA
	October	NA	14	0.93	9.1	NA	NA
	November	NA	14	0.88	8.7	NA	NA
	December	NA	0	0	0	NA	NA
Total		NA	77	5.0	49	NA	NA

Table 2.8-1. Building 801 and Pit 8 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K8-01	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	S	CMP	E601	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	S	CMP	E601	4	Y	
K8-01	MWPT	Upper $Tnbs_1$		DIS	E906	2	Y	
K8-01	MWPT	Upper $Tnbs_1$		DIS	E906	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E340.2	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E601	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$		DIS	E601	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E8330:R+H	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	1	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	3	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	B	CMP	MS:THISO	2	NA	Next sample required 2ndQ 2007.
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	B	CMP	MS:UISO	2	NA	Next sample required 2ndQ 2007.
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	T26METALS	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	S	CMP	E601	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	S	CMP	E601	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E340.2	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E601	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E8330:R+H	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	1	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	3	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	B	CMP	MS:THISO	2	NA	Next sample required 2ndQ 2007.
K8-04	CMP DMW	Upper $Tnbs_1$	B	CMP	MS:UISO	2	NA	Next sample required 2ndQ 2007.
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	T26METALS	2	Y	
K8-05	CMP DMW	$Tnbs_2$	B	CMP	CMPTRIMET	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E300.0:NO3	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E300.0:PERC	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E340.2	2	N	Dry. Next sample required 2ndQ 2008.

Table 2.8-1. Building 801 and Pit 8 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E601	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E8330:R+H	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E906	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	MS:THISO	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	MS:UISO	2	N	Dry. Next sample required 2ndQ 2008.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	T26METALS	2	N	Dry. Next sample required 2ndQ 2008.

Notes:

No COCs in ground water.

CMP Detection monitoring analyte: tritium (E906) sampled quarterly.

CMP Detection monitoring analyte: VOCs (E601 or E624) sampled annually.

CMP Detection monitoring analyte: fluoride (E340.2) sampled annually.

CMP Detection monitoring analyte: HE compounds (E8330:R+H) sampled annually.

CMP Detection monitoring analyte: nitrate (E300.0:NO3) sampled annually.

CMP Detection monitoring analyte: perchlorate (E300.0:PERC) sampled annually.

CMP Detection monitoring analytes: Title 26 metals plus U, Th, Li, Be (T26METALS and CMPTRIMET) sampled annually.

CMP Detection monitoring analytes: uranium and thorium isotopes by mass spectrometry (MS:UISO and MS:THISO) sampled biennially.

Contaminants of Concern in the Vadose Zone not detected in Ground Water: HE Compounds and uranium.

Building 801 primary COC: VOCs (E601 or E624).

Building 801 secondary COC: nitrate (E300.0:NO3).

Building 801 secondary COC: uranium (MS:UISO) .

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.8-2. Building 833 area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-833-03	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-12	MWPT	Tps	A	CMP	E601	1	Y	
W-833-18	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-22	MWPT	Tps	B	CMP	E601	2	N	Dry.
W-833-28	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-28	MWPT	Tps		DIS	E601	3	Y	
W-833-30	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-833-30	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-833-33	MWPT	Tps	B	CMP	E601	2	Y	Next sample required 2ndQ 2008.
W-833-34	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-43	MWPT	Tps	B	CMP	E601	1	N	Dry.
W-840-01	MWPT	Lower $Tnbs_1$		DIS	E300.0:NO3	1	Y	
W-840-01	MWPT	Lower $Tnbs_1$		DIS	E300.0:PERC	1	Y	
W-840-01	MWPT	Lower $Tnbs_1$		DIS	E601	1	Y	
W-841-01	MWPT	Upper $Tnbs_1$		DIS	E300.0:NO3	1	N	Dry.
W-841-01	MWPT	Upper $Tnbs_1$		DIS	E300.0:PERC	1	N	Dry.
W-841-01	MWPT	Upper $Tnbs_1$		DIS	E601	1	N	Dry.

Notes:

Building 833 primary COC: VOCs (E601).

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.8-3. Building 845 Firing Table and Pit 9 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K9-01	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-01	CMP DMW	Tmss	B	CMP	MS:THISO	2	NA	Next sample required 2ndQ 2007.
K9-01	CMP DMW	Tmss	B	CMP	MS:UISO	2	NA	Next sample required 2ndQ 2007.
K9-01	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-02	CMP DMW	Tmss	B	CMP	MS:THISO	2	NA	Next sample required 2ndQ 2007.
K9-02	CMP DMW	Tmss	B	CMP	MS:UISO	2	NA	Next sample required 2ndQ 2007.
K9-02	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-03	CMP DMW	Tmss	B	CMP	MS:THISO	2	NA	Next sample required 2ndQ 2007.

Table 2.8-3. Building 845 Firing Table and Pit 9 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K9-03	CMP DMW	Tmss	B	CMP	MS:UISO	2	NA	Next sample required 2ndQ 2007.
K9-03	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-04	CMP DMW	Tmss	B	CMP	MS:THISO	2	NA	Next sample required 2ndQ 2007.
K9-04	CMP DMW	Tmss	B	CMP	MS:UISO	2	NA	Next sample required 2ndQ 2007.
K9-04	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	

Notes:

No COCs in ground water.

CMP Detection monitoring analyte: tritium (E906) sampled quarterly.

CMP Detection monitoring analyte: VOCs (E601 or E624) sampled annually.

CMP Detection monitoring analyte: fluoride (E340.2) sampled annually.

CMP Detection monitoring analyte: HE compounds (E8330:R+H) sampled annually.

CMP Detection monitoring analyte: nitrate (E300.0:NO3) sampled annually.

CMP Detection monitoring analyte: perchlorate (E300.0:PERC) sampled annually.

CMP Detection monitoring analytes: Title 26 metals plus U, Th, Li, Be (T26METALS and CMPTRIMET) sampled annually.

CMP Detection monitoring analytes: uranium and thorium isotopes by mass spectrometry (MS:UISO and MS:THISO) sampled biennially.

Contaminants of Concern in the Vadose Zone not detected in Ground Water: HE Compounds and uranium.

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.8-4. Building 851 area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-851-05	MWPT	Tmss	B	CMP	E601	2	NA	Next sample required 2ndQ 2007.
W-851-05	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-05	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-05	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-06	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-06	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-06	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-07	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-07	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-07	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-08	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-08	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-08	MWPT	Tmss	S	CMP	MS:UISO	4	Y	

Notes:

Building 851 primary COC: uranium (MS:UISO).

Building 851 secondary COC: tritium (E906). Tritium will be dropped as a COC in 2007 because it is not detected in ground water in the Building 851 area.

Contaminants of Concern in the Vadose Zone not detected in Ground Water: VOCs (E601).

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 3.1-1. Pit 2 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K2-01C	CMP DMW	$Tnbs_1$		WGMG	AS:UISO	1	Y	
K2-01C	CMP DMW	$Tnbs_1$		WGMG	AS:UISO	2	Y	
K2-01C	CMP DMW	$Tnbs_1$		WGMG	AS:UISO	4	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	CMPTRIMET	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E300.0:PERC	2	Y	
K2-01C	CMP DMW	$Tnbs_1$		DIS/WGMG	E300.0:PERC	3	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E340.2	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E601	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E8330:R+H	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	1	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	3	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	4	Y	
K2-01C	CMP DMW	$Tnbs_1$	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2008.
K2-01C	CMP DMW	$Tnbs_1$		DIS	MS:THISO	3	Y	Next sample required 2ndQ 2008.
K2-01C	CMP DMW	$Tnbs_1$	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2008.
K2-01C	CMP DMW	$Tnbs_1$		DIS	MS:UISO	3	Y	Next sample required 2ndQ 2008.
K2-01C	CMP DMW	$Tnbs_1$	A	CMP	T26METALS	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
NC2-08	CMP DMW	$Tnbs_1$		DIS	E300.0:PERC	3	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E340.2	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E601	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E8330:R+H	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	1	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	3	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	4	Y	
NC2-08	CMP DMW	$Tnbs_1$	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2008.
NC2-08	CMP DMW	$Tnbs_1$		DIS	MS:THISO	3	Y	Next sample required 2ndQ 2008.
NC2-08	CMP DMW	$Tnbs_1$	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2008.
NC2-08	CMP DMW	$Tnbs_1$		DIS	MS:UISO	3	Y	Next sample required 2ndQ 2008.
NC2-08	CMP DMW	$Tnbs_1$		DIS	MS:UISO	4	Y	Next sample required 2ndQ 2008.
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	T26METALS	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E300.0:PERC	4	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E340.2	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E601	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E8330:R+H	2	Y	

Table 3.1-1. Pit 2 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sample driver	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	1	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	4	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	MS:THISO	1	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2008.
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	MS:THISO	3	Y	Next sample required 2ndQ 2008.
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	MS:UISO	1	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2008.
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	MS:UISO	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	T26METALS	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	E300.0:PERC	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E340.2	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E601	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E8330:R+H	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	MS:THISO	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2008.
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	MS:THISO	3	Y	Next sample required 2ndQ 2008.
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	MS:UISO	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2008.
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	MS:UISO	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	T26METALS	2	Y	

Notes:

No COCs in ground water at Pit 2.

CMP Detection monitoring analyte: tritium (E906) sampled quarterly.

CMP Detection monitoring analyte: VOCs (E601 or E624) sampled annually.

CMP Detection monitoring analyte: fluoride (E340.2) sampled annually.

CMP Detection monitoring analyte: HE compounds (E8330:R+H) sampled annually.

CMP Detection monitoring analyte: nitrate (E300.0:NO3) sampled annually.

CMP Detection monitoring analyte: perchlorate (E300.0:PERC) sampled annually.

CMP Detection monitoring analytes: Title 26 metals plus U, Th, Li, Be (T26METALS and CMPTRIMET) sampled annually.

CMP Detection monitoring analytes: uranium and thorium isotopes by mass spectrometry (MS:UISO and MS:THISO) sampled biennially.

See Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 4.1-1. Summary of inhalation risks and hazards resulting from transport of contaminant vapors to indoor and outdoor ambient air.

Area	Pathway and Model	Contaminant	Incremental Risk	Hazard Quotient	Comment
Building 834D	Indoor – JEM	TCE	2.6×10^{-4}	5.1×10^{-1}	Based on a TCE concentration of 28,000 μg/L (W-834-D4, April 2006).
	Indoor – JEM	PCE	1.1×10^{-5}	1.2×10^{-1}	Based on a PCE concentration of 240 μg/L (W-834-D13, July 2006).
Cumulative risk and hazard index			$\mathbf{2.7 \times 10^{-4}}$	6.3×10^{-1}	**Institutional controls in place, building only used for storage.**
Building 854A	Indoor – JEM	Total VOCs	1.4×10^{-7}	3.0×10^{-4}	Based on a Total VOC (all TCE) concentration of 29.0 μg/L (W-854-10, June 2006)
Cumulative risk and hazard index			1.4×10^{-7}	3.0×10^{-4}	**Institutional controls in place.**
Building 830	Indoor – JEM	Vinyl Chloride	3.0×10^{-7}	5.9×10^{-4}	Based on the vinyl chloride detection limit of 25 μg/L (W-830-30, July 2006).
	Indoor – JEM	TCE	4.7×10^{-7}	9.2×10^{-3}	Based on a TCE concentration of 1,200 μg/L (W-830-34, July 2006)
Cumulative risk and hazard index			$\mathbf{5.1 \times 10^{-6}}$	9.8×10^{-3}	**Institutional controls in place.**
Building 833	Indoor – JEM	TCE	4.7×10^{-8}	9.1×10^{-5}	Based on a TCE concentration of 20 μg/L (W-833-03, June 2000). Contaminated wells in this area have been dry since 2000.
	Indoor – JEM	Chloroform	1.8×10^{-9}	2.7×10^{-5}	Based on the Chloroform detection limit of 0.5 μg/L in sampled wells.
Cumulative risk and hazard index			4.9×10^{-8}	1.2×10^{-4}	**Institutional and engineering controls are in place. The air conditioning unit in Bldg. 833 is operated continuously to maintain neutral pressure differential between the subsurface and indoor air, and to maintain high exchange rates.**

Notes:

JEM – Johnson-Ettinger Model for indoor air pathway (USEPA, GW-ADV Version 3.1; 02/04), incorporates the updated risk values in DTSC (2005) Interim Final Vapor Intrusion Guidance.

NC – Not calculated.

Appendix A

Results of Influent and Effluent pH Monitoring

Appendix A

Results of Influent and Effluent pH Monitoring

Table A-1. Results of influent and effluent pH, and effluent dissolved oxygen monitoring, July through December 2006.

Table A-1. Results of infuent and effluent pH, and effluent dissolved oxygen monitoring, July through December 2006.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result	Effluent Dissolved Oxygen (mg/L)
GSA OU				
EGSA GWTS	**07/05/2006**	**7**	**7**	**2.7**
EGSA GWTS	**08/02/2006**	**NA**	**7**	**1.8**
EGSA GWTS	**09/06/2006**	**NA**	**7**	**2.0**
EGSA GWTS	**09/26/2006**	**7**	**7**	**2.2**
EGSA GWTS	**11/01/2006**	**NA**	**7**	**2.6**
EGSA GWTS	**12/04/2006**	**NA**	**7**	**0.3**
CGSA GWTS	**07/12/2006**	**7**	**7**	**NR**
CGSA GWTS	**08/09/2006**	**NA**	**7**	**NR**
CGSA GWTS	**09/06/2006**	**NA**	**7.2**	**NR**
CGSA GWTS	**10/03/2006**	**7**	**7.3**	**NR**
CGSA GWTS	**11/08/2006**	**NA**	**7**	**NR**
CGSA GWTS	**12/06/2006**	**NA**	**7**	**NR**
Building 834 OU				
834 GWTS	**07/06/2006**	**7.7**	**8.1**	**NR**
834 GWTS	**08/02/2006**	**NA**	**7.7**	**NR**
834 GWTS	**09/06/2006**	**NA**	**7.9**	**NR**
834 GWTS	**10/02/2006**	**7.8**	**8**	**NR**
834 GWTS	**11/01/2006**	**NA**	**8.1**	**NR**
834 GWTS	**12/06/2006**	**NA**	**8.1**	**NR**
HEPA OU				
815-SRC GWTS	**07/12/2006**	**7.5**	**7.5**	**NR**
815-SRC GWTS	**08/02/2006**	**NA**	**7**	**NR**
815-SRC GWTS	**09/06/2006**	**NA**	**7**	**NR**
815-SRC GWTS	**10/03/2006**	**7**	**7**	**NR**
815-SRC GWTS	**11/01/2006**	**NA**	**7**	**NR**
815-SRC GWTS	**12/05/2006**	**NA**	**7**	**NR**
815-PRX GWTS	**07/06/2006**	**7**	**7**	**NR**
815-PRX GWTS	**08/02/2006**	**NA**	**7**	**NR**

Table A-1. Results of infuent and effluent pH, and effluent dissolved oxygen monitoring, July through December 2006.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result	Effluent Dissolved Oxygen (mg/L)
815-PRX GWTS	09/06/2006	NA	7	NR
815-PRX GWTS	10/03/2006	7	7	NR
815-PRX GWTS	11/01/2006	NA	7	NR
815-PRX GWTS	12/05/2006	NA	7	NR
815-DSB GWTS	07/12/2006	6.5	6.5	NR
815-DSB GWTS	08/02/2006	NA	7	NR
815-DSB GWTS	09/06/2006	NA	7	NR
815-DSB GWTS	10/03/2006	7	7	NR
815-DSB GWTS	11/01/2006	NA	7	NR
815-DSB GWTS	12/05/2006	NA	7	NR
817-SRC GWTS	07/06/2006	6.5	7	NR
817-SRC GWTS	08/09/2006	NA	7	NR
817-SRC GWTS	09/12/2006	NA	7	NR
817-SRC GWTS	10/04/2006	7.5	7.5	NR
817-SRC GWTS	11/08/2006	NA	7	NR
817-SRC GWTS	12/06/2006	NA	7	NR
817-PRX GWTS	07/12/2006	7.4	7.5	NR
817-PRX GWTS	08/02/2006	NA	7.5	NR
817-PRX GWTS	09/06/2006	NA	7.3	NR
817-PRX GWTS	10/02/2006	7.5	7.6	NR
817-PRX GWTS	11/01/2006	NA	7.2	NR
817-PRX GWTS	12/06/2006	NA	7.6	NR
829-SRC GWTS	07/12/2006	7	7	NR
829-SRC GWTS	10/31/2006	NM	NM	NR
829-SRC GWTS	11/30/2006	NA	NM	NR
829-SRC GWTS	12/31/2006	NA	NM	NR
829-SRC GWTS	8/31/2006	NA	NM	NR
829-SRC GWTS	9/30/2006	NA	NM	NR

Table A-1. Results of infuent and effluent pH, and effluent dissolved oxygen monitoring, July through December 2006.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result	Effluent Dissolved Oxygen (mg/L)
Building 854 OU				
854-SRC GWTS	**07/06/2006**	**7**	**7**	**NR**
854-SRC GWTS	**08/02/2006**	**NA**	**7**	**NR**
854-SRC GWTS	**09/20/2006**	**NA**	**7**	**NR**
854-SRC GWTS	**10/04/2006**	**7**	**7**	**NR**
854-SRC GWTS	**11/07/2006**	**NA**	**6.5**	**NR**
854-SRC GWTS	**12/06/2006**	**NA**	**7**	**NR**
854-PRX GWTS	**07/06/2006**	**7**	**7**	**NR**
854-PRX GWTS	**08/02/2006**	**NA**	**7**	**NR**
854-PRX GWTS	**09/13/2006**	**NA**	**7**	**NR**
854-PRX GWTS	**10/03/2006**	**7**	**7**	**NR**
854-PRX GWTS	**11/07/2006**	**NA**	**6.5**	**NR**
854-PRX GWTS	**12/31/2006**	**NA**	**NM**	**NR**
854-DIS GWTS	**07/12/2006**	**7**	**7**	**NR**
854-DIS GWTS	**08/02/2006**	**NA**	**7**	**NR**
854-DIS GWTS	**09/20/2006**	**NA**	**7**	**NR**
854-DIS GWTS	**10/17/2006**	**7**	**8**	**NR**
854-DIS GWTS	**11/07/2006**	**NA**	**7.5**	**NR**
854-DIS GWTS	**12/31/2006**	**NA**	**NM**	**NR**
832 Canyon OU				
832-SRC GWTS	**07/06/2006**	**7.5**	**7.5**	**NR**
832-SRC GWTS	**08/02/2006**	**NA**	**7.4**	**NR**
832-SRC GWTS	**09/06/2006**	**NA**	**7.3**	**NR**
832-SRC GWTS	**10/02/2006**	**7.5**	**7.6**	**NR**
832-SRC GWTS	**11/01/2006**	**NA**	**7.7**	**NR**
832-SRC GWTS	**12/06/2006**	**NA**	**7.7**	**NR**
830-SRC GWTS	**07/10/2006**	**7.5**	**7.5**	**NR**
830-SRC GWTS	**08/09/2006**	**NA**	**7.5**	**NR**
830-SRC GWTS	**09/05/2006**	**NA**	**7.5**	**NR**

Table A-1. Results of infuent and effluent pH, and effluent dissolved oxygen monitoring, July through December 2006.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result	Effluent Dissolved Oxygen (mg/L)
830-SRC GWTS	10/03/2006	7	7.5	NR
830-SRC GWTS	11/01/2006	NA	7.5	NR
830-SRC GWTS	12/13/2006	NA	7.5	NR
830-DISS GWTS	06/29/2006	7.8	7.7	NR
830-DISS GWTS	08/02/2006	NA	7.3	NR
830-DISS GWTS	09/06/2006	NA	7.2	NR
830-DISS GWTS	10/02/2006	7.6	7.3	NR
830-DISS GWTS	11/01/2006	NA	7.4	NR
830-DISS GWTS	12/31/2006	NA	NM	NR

Notes:

834 = Building 834.
815 = Building 815.
817 = Building 817.
829 = Building 829.
854 = Building 854.
832 = Building 832.
830 = Building 830.
CGSA = Central General Services Area.
EGSA = Eastern General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
GWTS = Ground water treatment system.
PRX = Proximal.
PRXN = Proximal North.
SRC = Source.
NA = Not applicable.
NM = Not measured due to facility not operating during this period.
NR = Not required.
OU = Operable unit.
pH = A measure of the acidity or alkalinity of an aqueous solution.
mg/L = milligrams per liter

Appendix B

Analytical Results for Routine Monitoring During 2006

Appendix B

Analytical Results for Routine Monitoring During 2006

Table B-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CDF1	1/13/06	E502.2	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	1/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	1/13/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CDF1	1/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	2/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	2/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	3/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	3/14/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	4/18/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	4/18/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CDF1	4/18/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	5/16/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	5/16/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	6/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	6/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	7/12/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
CDF1	7/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	7/12/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CDF1	7/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	8/16/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	8/16/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	9/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	9/14/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	10/9/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	10/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	10/09/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CDF1	10/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	11/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	11/08/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	12/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	1/12/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	1/12/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CON1	1/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	2/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	2/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	3/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	3/14/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	4/18/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	4/18/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CON1	4/18/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	5/16/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	6/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	6/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	7/12/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
CON1	7/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	7/12/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CON1	7/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	8/16/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	8/16/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	9/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	9/14/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	10/9/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	10/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	10/09/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CON1	10/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	11/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	11/08/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	12/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	1/19/06	E601	<0.5 BE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	5/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	8/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	10/16/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CON2	10/16/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	1/30/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	5/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	8/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	10/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-01	5/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-01	10/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-02	5/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-02	12/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-01	5/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-01	10/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	5/9/06	E601	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	10/11/06 DUP	E601	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-03	5/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-03	10/24/06	E601	0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	2/8/06	E601	0.95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	4/11/06	E601	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	7/5/06	E601	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	10/2/06	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-04	5/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-04	11/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	5/8/06	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	5/08/06 DUP	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	10/11/06	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	10/11/06 DUP	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-06	5/9/06	E601	0.83	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-06	10/11/06	E601	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	10/4/06	E601	0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5
W-25N-07	10/31/06 REX	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-08	5/23/06	E601	0.81	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-08	11/30/06	E601	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-09	5/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-09	11/30/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-09	11/30/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	10/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	10/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	10/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	10/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-15	5/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-15	10/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-18	5/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-18	10/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-20	5/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-20	12/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-21	5/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-21	11/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-22	5/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-22	12/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-23	5/25/06	E601	0.94	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-23	12/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	2/8/06	E601	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-25N-24	4/11/06	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	7/5/06	E601	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	10/2/06	E601	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-25	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-25	12/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-26	5/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-26	10/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-28	5/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-28	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	1/18/06	E601	4.7	0.6	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	5/30/06	E601	4.6	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	8/2/06	E601	3.6 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H
W-26R-01	12/15/06	E601	3.9	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-02	5/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-02	11/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	2/8/06	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	4/11/06	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	7/5/06	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	10/2/06	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	1/9/06	E601	3.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	6/7/06	E601	4.4	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	6/07/06 DUP	E601	4.6	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	8/9/06	E601	3.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	8/09/06 DUP	E601	3.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	12/20/06	E601	3.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	1/24/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	5/22/06	E601	0.8	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	7/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	7/25/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	12/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	1/9/06	E601	3.8	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	1/09/06 DUP	E601	3.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	5/23/06	E601	4.2	0.68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	7/19/06	E601	4.5	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	11/21/06	E601	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-07	5/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-07	11/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-08	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-08	11/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-11	6/6/06	E601	0.95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-11	11/20/06	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-01	1/26/06	E601	140 B	8.2	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	0.97	<0.5	<0.5
W-35A-01	1/26/06 DUP	E601	120 BD	7.8	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	0.9	<0.5	<0.5
W-35A-01	5/10/06	E601	100	6.4	0.95	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	0.88	<0.5	<0.5
W-35A-01	5/10/06 DUP	E601	110 D	7.2	1	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	0.7	<0.5	<0.5
W-35A-01	8/8/06	E601	90 D	7.5	0.95	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	1	<0.5	<0.5
W-35A-01	8/08/06 DUP	E601	78 D	5.9	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	0.9	<0.5	<0.5
W-35A-01	9/13/06 DUP	E601	81 D	4.3	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	0.8	<0.5	<0.5
W-35A-01	9/13/06 REX	E601	75	4.7	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	0.64	<0.5	<0.5
W-35A-01	12/6/06	E601	87	5.4	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	0.72	<0.5	<0.5
W-35A-02	5/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-02	11/29/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-03	5/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-03	10/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	5/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	8/2/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	8/02/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	12/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-05	5/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-05	12/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-06	5/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-06	10/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-07	5/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-07	11/29/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-08	5/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-08	9/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-08	11/29/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-35A-09	5/15/06	E601	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.76	<0.5	<0.5
W-35A-09	5/15/06 DUP	E601	0.7 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5
W-35A-09	11/29/06	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<0.5
W-35A-10	5/15/06	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5
W-35A-10	5/15/06 DUP	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5
W-35A-10	11/29/06	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5
W-35A-11	5/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-11	10/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-12	5/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-12	10/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-13	5/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-13	5/02/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-13	10/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-13	10/23/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-14	5/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-14	9/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-14	12/18/06	E601	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5
W-7A	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7A	12/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	5/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	5/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	11/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	11/22/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7C	5/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7C	11/28/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7D	5/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7D	12/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	1/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	5/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	8/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	12/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7E	5/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7E	12/18/06	E601	<0.5	<0.5 O	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5
W-7ES	1/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	3.5 F	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7ES	7/26/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7F	5/31/06	E601	4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7F	12/7/06	E601	0.85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7G	4/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7G	11/28/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7H	5/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7H	11/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	1/26/06	E601	190 D	6.6	22	1.5	<0.5	<0.5	<0.5	<0.5	3.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	7/12/06	E601	320 D	2.1	16	1.2	<0.5	<0.5	<0.5	<0.5	5.2	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	10/23/06	E601	310 D	2.5	15	1	<0.5	<0.5	<0.5	<0.5	3.7	<0.5	<0.5	<0.5	<0.5	<0.5
W-7J	4/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7J	10/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7K	5/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7K	11/28/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7K	11/28/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7L	5/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7L	11/28/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7L	11/28/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7M	5/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7M	11/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7N	5/3/06	E601	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7N	11/22/06	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7O	1/10/06	E601	84	5.8	0.86	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	<0.5	<0.5	0.5	<0.5	<0.5
W-7O	4/11/06	E601	89	5.4	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<0.5	<0.5
W-7O	7/12/06	E601	73	5.4	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5
W-7O	10/23/06	E601	79	5.1	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	1/26/06	E601	9.6	0.75	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	4/11/06	E601	10	0.76	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	7/12/06	E601	9.2	0.83	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	10/23/06	E601	4.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	1/24/06	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	5/31/06	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	8/2/06	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-7PS	12/7/06	E601	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	1/9/06	E601	140 D	14	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	4/24/06	E601	74	7.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	7/19/06	E601	36	5.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	10/12/06	E601	50	5.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	1/10/06	E601	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	4/11/06	E601	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	7/12/06	E601	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	10/23/06	E601	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	1/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	1/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	4/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	11/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	1/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	4/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	11/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-01	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-01	10/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-02	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-02	12/18/06	E601	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5
W-872-01	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-872-01	10/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-872-02	10/23/06	E601	8.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5
W-873-01	5/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-01	10/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-02	5/25/06	E601	8.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5
W-873-02	10/10/06	E601	7.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	13	<0.5	<0.5
W-873-03	5/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-03	10/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-04	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-04	10/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-06	6/6/06	E601	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5
W-873-06	10/11/06	E601	5.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-07	1/10/06	E601	7.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5
W-873-07	4/11/06	E601	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5
W-873-07	7/12/06	E601	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5
W-873-07	10/23/06	E601	7.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5
W-CGSA-1733	1/9/06	E601	8.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1733	5/25/06	E601	8.1	0.91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1733	8/7/06	E601	7.2	0.89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1733	11/16/06	E601	8.2	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1736	5/25/06	E601	5.6	0.81	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1736	11/16/06	E601	5.5	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1737	5/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1737	11/16/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	1/9/06	E601	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	5/25/06	E601	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	8/7/06	E601	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	11/16/06	E601	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-01	6/1/06	E601	6	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-01	11/22/06	E601	0.93	<0.5	9.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-02	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-02	11/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-03	11/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-03	11/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-04	6/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-04	11/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-05	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-05	10/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-06	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-06	11/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-07	1/10/06	E601	290 D	22	8.7	<0.5	<0.5	<0.5	<0.5	0.68	2.2	<0.5	0.72	<0.5	<0.5	<0.5
W-875-07	4/11/06	E601	290 D	27	10	<0.5	<0.5	<0.5	<0.5	<0.5	3	<0.5	0.57	<0.5	<0.5	<0.5
W-875-07	7/12/06	E601	340 D	35	10	<0.5	<0.5	<0.5	<0.5	0.54	2.7	<0.5	0.57	<0.5	<0.5	<0.5
W-875-07	10/23/06	E601	260 D	27	7.5	<0.5	<0.5	<0.5	<0.5	0.63	1.4	<0.5	0.64	<0.5	<0.5	<0.5

Table B-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-875-08	1/10/06	E601	390 D	0.55	19	1.4	<0.5	<0.5	<0.5	<0.5	6.7	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	4/11/06	E601	340 D	0.98	19	1.4	<0.5	<0.5	<0.5	<0.5	6.3	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	7/12/06	E601	330 D	1.5	17	1.4	<0.5	<0.5	<0.5	<0.5	5.6	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	10/23/06	E601	340 D	1	16	1.3	<0.5	<0.5	<0.5	<0.5	4.8	<0.5	<0.5	<0.5	<0.5	<0.5
W-876-01	6/5/06	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-876-01	10/12/06	E601	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-879-01	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-879-01	10/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-889-01	6/6/06	E601	40	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-889-01	10/12/06	E601	36	<0.5	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-1 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Dibromochloro-methane (µg/L)	Methylene chloride (µg/L)
CDF1	1/13/06	E502.2	0 of 46	-	-	-	-	-
CDF1	1/13/06	E601	0 of 19	-	-	-	-	-
CDF1	1/13/06 DUP	E502.2	0 of 45	-	-	-	-	-
CDF1	1/13/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	2/9/06	E601	0 of 18	-	-	-	-	-
CDF1	2/09/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	3/14/06	E601	0 of 18	-	-	-	-	-
CDF1	3/14/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	4/18/06	E502.2	0 of 46	-	-	-	-	-
CDF1	4/18/06	E601	0 of 18	-	-	-	-	-
CDF1	4/18/06 DUP	E502.2	0 of 45	-	-	-	-	-
CDF1	4/18/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	5/16/06	E601	0 of 18	-	-	-	-	-
CDF1	5/16/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	6/15/06	E601	0 of 18	-	-	-	-	-
CDF1	6/15/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	7/12/06	E502.2	0 of 46	-	-	-	-	-
CDF1	7/12/06	E601	0 of 18	-	-	-	-	-
CDF1	7/12/06 DUP	E502.2	0 of 45	-	-	-	-	-
CDF1	7/12/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	8/16/06	E601	0 of 18	-	-	-	-	-
CDF1	8/16/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	9/14/06	E601	0 of 18	-	-	-	-	-
CDF1	9/14/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	10/9/06	E502.2	0 of 46	-	-	-	-	-
CDF1	10/9/06	E601	0 of 18	-	-	-	-	-
CDF1	10/09/06 DUP	E502.2	0 of 45	-	-	-	-	-
CDF1	10/09/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	11/8/06	E601	0 of 18	-	-	-	-	-
CDF1	11/08/06 DUP	E601	0 of 18	-	-	-	-	-
CDF1	12/13/06	E601	0 of 18	-	-	-	-	-
CDF1	12/13/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	1/12/06	E502.2	0 of 46	-	-	-	-	-
CON1	1/12/06	E601	0 of 19	-	-	-	-	-
CON1	1/12/06 DUP	E502.2	0 of 45	-	-	-	-	-
CON1	1/12/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	2/9/06	E601	0 of 18	-	-	-	-	-
CON1	2/09/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	3/14/06	E601	0 of 18	-	-	-	-	-
CON1	3/14/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	4/18/06	E502.2	0 of 46	-	-	-	-	-
CON1	4/18/06	E601	0 of 18	-	-	-	-	-
CON1	4/18/06 DUP	E502.2	0 of 45	-	-	-	-	-
CON1	4/18/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	5/16/06	E601	0 of 18	-	-	-	-	-
CON1	6/15/06	E601	0 of 18	-	-	-	-	-
CON1	6/15/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	7/12/06	E502.2	0 of 46	-	-	-	-	-
CON1	7/12/06	E601	0 of 18	-	-	-	-	-
CON1	7/12/06 DUP	E502.2	0 of 45	-	-	-	-	-
CON1	7/12/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	8/16/06	E601	0 of 18	-	-	-	-	-
CON1	8/16/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	9/14/06	E601	0 of 18	-	-	-	-	-
CON1	9/14/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	10/9/06	E502.2	0 of 46	-	-	-	-	-
CON1	10/9/06	E601	0 of 18	-	-	-	-	-
CON1	10/09/06 DUP	E502.2	0 of 45	-	-	-	-	-
CON1	10/09/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	11/8/06	E601	0 of 18	-	-	-	-	-
CON1	11/08/06 DUP	E601	0 of 18	-	-	-	-	-
CON1	12/13/06	E601	0 of 18	-	-	-	-	-
CON1	12/13/06 DUP	E601	0 of 18	-	-	-	-	-
CON2	1/19/06	E601	0 of 19	-	-	-	-	-
CON2	5/10/06	E601	0 of 18	-	-	-	-	-
CON2	8/8/06	E601	0 of 18	-	-	-	-	-
CON2	10/16/06	E601	0 of 18	-	-	-	-	-

Table B-1 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Dibromochloro-methane (µg/L)	Methylene chloride (µg/L)
CON2	10/16/06 DUP	E601	0 of 18	-	-	-	-	-
W-24P-03	1/30/06	E601	0 of 18	-	-	-	-	-
W-24P-03	5/15/06	E601	0 of 18	-	-	-	-	-
W-24P-03	8/8/06	E601	0 of 18	-	-	-	-	-
W-24P-03	10/24/06	E601	0 of 18	-	-	-	-	-
W-25D-01	5/11/06	E601	0 of 18	-	-	-	-	-
W-25D-01	10/19/06	E601	0 of 18	-	-	-	-	-
W-25D-02	5/11/06	E601	0 of 18	-	-	-	-	-
W-25D-02	12/6/06	E601	0 of 18	-	-	-	-	-
W-25M-01	5/11/06	E601	0 of 18	-	-	-	-	-
W-25M-01	10/19/06	E601	0 of 18	-	-	-	-	-
W-25M-02	5/9/06	E601	0 of 18	-	-	-	-	-
W-25M-02	10/11/06	E601	0 of 18	-	-	-	-	-
W-25M-02	10/11/06 DUP	E601	0 of 18	-	-	-	-	-
W-25M-03	5/9/06	E601	0 of 18	-	-	-	-	-
W-25M-03	10/24/06	E601	0 of 18	-	-	-	-	-
W-25N-01	2/8/06	E601	0 of 18	-	-	-	-	-
W-25N-01	4/11/06	E601	0 of 18	-	-	-	-	-
W-25N-01	7/5/06	E601	0 of 18	-	-	-	-	-
W-25N-01	10/2/06	E601	0 of 18	-	-	-	-	-
W-25N-04	5/17/06	E601	0 of 18	-	-	-	-	-
W-25N-04	11/21/06	E601	0 of 18	-	-	-	-	-
W-25N-05	5/8/06	E601	0 of 18	-	-	-	-	-
W-25N-05	5/08/06 DUP	E601	0 of 18	-	-	-	-	-
W-25N-05	10/11/06	E601	0 of 18	-	-	-	-	-
W-25N-05	10/11/06 DUP	E601	0 of 18	-	-	-	-	-
W-25N-06	5/9/06	E601	0 of 18	-	-	-	-	-
W-25N-06	10/11/06	E601	0 of 18	-	-	-	-	-
W-25N-07	1/3/06	E601	0 of 19	-	-	-	-	-
W-25N-07	4/18/06	E601	0 of 18	-	-	-	-	-
W-25N-07	7/6/06	E601	0 of 18	-	-	-	-	-
W-25N-07	10/4/06	E601	0 of 18	-	-	-	-	-
W-25N-07	10/31/06 REX	E601	0 of 18	-	-	-	-	-
W-25N-08	5/23/06	E601	0 of 18	-	-	-	-	-
W-25N-08	11/30/06	E601	0 of 18	-	-	-	-	-
W-25N-09	5/23/06	E601	0 of 18	-	-	-	-	-
W-25N-09	11/30/06	E601	0 of 18	-	-	-	-	-
W-25N-09	11/30/06 DUP	E601	0 of 18	-	-	-	-	-
W-25N-10	1/3/06	E601	0 of 19	-	-	-	-	-
W-25N-10	4/18/06	E601	0 of 18	-	-	-	-	-
W-25N-10	7/6/06	E601	0 of 18	-	-	-	-	-
W-25N-10	10/4/06	E601	0 of 18	-	-	-	-	-
W-25N-11	1/3/06	E601	0 of 19	-	-	-	-	-
W-25N-11	4/18/06	E601	0 of 18	-	-	-	-	-
W-25N-11	7/6/06	E601	0 of 18	-	-	-	-	-
W-25N-11	10/4/06	E601	0 of 18	-	-	-	-	-
W-25N-12	1/3/06	E601	0 of 19	-	-	-	-	-
W-25N-12	4/18/06	E601	0 of 18	-	-	-	-	-
W-25N-12	7/6/06	E601	0 of 18	-	-	-	-	-
W-25N-12	10/4/06	E601	0 of 18	-	-	-	-	-
W-25N-13	1/3/06	E601	0 of 18	-	-	-	-	-
W-25N-13	4/18/06	E601	0 of 18	-	-	-	-	-
W-25N-13	7/6/06	E601	0 of 18	-	-	-	-	-
W-25N-13	10/4/06	E601	0 of 18	-	-	-	-	-
W-25N-15	5/8/06	E601	0 of 18	-	-	-	-	-
W-25N-15	10/19/06	E601	0 of 18	-	-	-	-	-
W-25N-18	5/9/06	E601	0 of 18	-	-	-	-	-
W-25N-18	10/19/06	E601	0 of 18	-	-	-	-	-
W-25N-20	5/22/06	E601	0 of 18	-	-	-	-	-
W-25N-20	12/1/06	E601	0 of 18	-	-	-	-	-
W-25N-21	5/17/06	E601	0 of 18	-	-	-	-	-
W-25N-21	11/21/06	E601	0 of 18	-	-	-	-	-
W-25N-22	5/17/06	E601	0 of 18	-	-	-	-	-
W-25N-22	12/1/06	E601	0 of 18	-	-	-	-	-
W-25N-23	5/25/06	E601	0 of 18	-	-	-	-	-
W-25N-23	12/1/06	E601	0 of 18	-	-	-	-	-
W-25N-24	2/8/06	E601	0 of 18	-	-	-	-	-

Table B-1 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Dibromochloro-methane (µg/L)	Methylene chloride (µg/L)
W-25N-24	4/11/06	E601	0 of 18	-	-	-	-	-
W-25N-24	7/5/06	E601	0 of 18	-	-	-	-	-
W-25N-24	10/2/06	E601	0 of 18	-	-	-	-	-
W-25N-25	6/7/06	E601	0 of 18	-	-	-	-	-
W-25N-25	12/6/06	E601	0 of 18	-	-	-	-	-
W-25N-26	5/10/06	E601	0 of 18	-	-	-	-	-
W-25N-26	10/19/06	E601	0 of 18	-	-	-	-	-
W-25N-28	5/10/06	E601	0 of 18	-	-	-	-	-
W-25N-28	10/11/06	E601	0 of 18	-	-	-	-	-
W-26R-01	1/18/06	E601	0 of 18	-	-	-	-	-
W-26R-01	5/30/06	E601	0 of 18	-	-	-	-	-
W-26R-01	8/2/06	E601	0 of 18	-	-	-	-	-
W-26R-01	12/15/06	E601	0 of 18	-	-	-	-	-
W-26R-02	5/23/06	E601	0 of 18	-	-	-	-	-
W-26R-02	11/20/06	E601	0 of 18	-	-	-	-	-
W-26R-03	2/8/06	E601	0 of 18	-	-	-	-	-
W-26R-03	4/11/06	E601	0 of 18	-	-	-	-	-
W-26R-03	7/5/06	E601	0 of 18	-	-	-	-	-
W-26R-03	10/2/06	E601	0 of 18	-	-	-	-	-
W-26R-04	1/9/06	E601	0 of 19	-	-	-	-	-
W-26R-04	6/7/06	E601	0 of 18	-	-	-	-	-
W-26R-04	6/07/06 DUP	E601	0 of 18	-	-	-	-	-
W-26R-04	8/9/06	E601	0 of 18	-	-	-	-	-
W-26R-04	8/09/06 DUP	E601	0 of 18	-	-	-	-	-
W-26R-04	12/20/06	E601	0 of 18	-	-	-	-	-
W-26R-05	1/24/06	E601	0 of 18	-	-	-	-	-
W-26R-05	5/22/06	E601	0 of 18	-	-	-	-	-
W-26R-05	7/25/06	E601	0 of 18	-	-	-	-	-
W-26R-05	7/25/06 DUP	E601	0 of 18	-	-	-	-	-
W-26R-05	12/15/06	E601	0 of 18	-	-	-	-	-
W-26R-06	1/9/06	E601	0 of 19	-	-	-	-	-
W-26R-06	1/09/06 DUP	E601	0 of 18	-	-	-	-	-
W-26R-06	5/23/06	E601	0 of 18	-	-	-	-	-
W-26R-06	7/19/06	E601	0 of 18	-	-	-	-	-
W-26R-06	11/21/06	E601	0 of 18	-	-	-	-	-
W-26R-07	5/23/06	E601	0 of 18	-	-	-	-	-
W-26R-07	11/20/06	E601	0 of 18	-	-	-	-	-
W-26R-08	6/6/06	E601	0 of 18	-	-	-	-	-
W-26R-08	11/21/06	E601	0 of 18	-	-	-	-	-
W-26R-11	6/6/06	E601	0 of 18	-	-	-	-	-
W-26R-11	11/20/06	E601	0 of 18	-	-	-	-	-
W-35A-01	1/26/06	E601	1 of 18	1.2	-	-	-	-
W-35A-01	1/26/06 DUP	E601	1 of 18	1.1	-	-	-	-
W-35A-01	5/10/06	E601	0 of 18	-	-	-	-	-
W-35A-01	5/10/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-01	8/8/06	E601	0 of 18	-	-	-	-	-
W-35A-01	8/08/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-01	9/13/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-01	9/13/06 REX	E601	0 of 18	-	-	-	-	-
W-35A-01	12/6/06	E601	0 of 18	-	-	-	-	-
W-35A-02	5/15/06	E601	0 of 18	-	-	-	-	-
W-35A-02	11/29/06	E601	0 of 18	-	-	-	-	-
W-35A-03	5/2/06	E601	0 of 18	-	-	-	-	-
W-35A-03	10/23/06	E601	0 of 18	-	-	-	-	-
W-35A-04	5/2/06	E601	0 of 18	-	-	-	-	-
W-35A-04	8/2/06	E502.2	0 of 46	-	-	-	-	-
W-35A-04	8/02/06 DUP	E502.2	0 of 46	-	-	-	-	-
W-35A-04	12/6/06	E601	0 of 18	-	-	-	-	-
W-35A-05	5/10/06	E601	0 of 18	-	-	-	-	-
W-35A-05	12/6/06	E601	0 of 18	-	-	-	-	-
W-35A-06	5/2/06	E601	0 of 18	-	-	-	-	-
W-35A-06	10/23/06	E601	0 of 18	-	-	-	-	-
W-35A-07	5/15/06	E601	0 of 18	-	-	-	-	-
W-35A-07	11/29/06	E601	0 of 18	-	-	-	-	-
W-35A-08	5/15/06	E601	0 of 18	-	-	-	-	-
W-35A-08	9/19/06	E601	0 of 18	-	-	-	-	-
W-35A-08	11/29/06	E601	0 of 18	-	-	-	-	-

Table B-1 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Dibromochloro-methane (µg/L)	Methylene chloride (µg/L)
W-35A-09	5/15/06	E601	0 of 18	-	-	-	-	-
W-35A-09	5/15/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-09	11/29/06	E601	0 of 18	-	-	-	-	-
W-35A-10	5/15/06	E601	0 of 18	-	-	-	-	-
W-35A-10	5/15/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-10	11/29/06	E601	0 of 18	-	-	-	-	-
W-35A-11	5/2/06	E601	0 of 18	-	-	-	-	-
W-35A-11	10/23/06	E601	0 of 18	-	-	-	-	-
W-35A-12	5/2/06	E601	0 of 18	-	-	-	-	-
W-35A-12	10/23/06	E601	0 of 18	-	-	-	-	-
W-35A-13	5/2/06	E601	0 of 18	-	-	-	-	-
W-35A-13	5/02/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-13	10/23/06	E601	0 of 18	-	-	-	-	-
W-35A-13	10/23/06 DUP	E601	0 of 18	-	-	-	-	-
W-35A-14	5/15/06	E601	0 of 18	-	-	-	-	-
W-35A-14	9/19/06	E601	0 of 18	-	-	-	-	-
W-35A-14	12/18/06	E601	0 of 18	-	-	-	-	-
W-7A	6/6/06	E601	0 of 18	-	-	-	-	-
W-7A	12/1/06	E601	0 of 18	-	-	-	-	-
W-7B	5/3/06	E601	0 of 18	-	-	-	-	-
W-7B	5/03/06 DUP	E601	0 of 18	-	-	-	-	-
W-7B	11/22/06	E601	0 of 18	-	-	-	-	-
W-7B	11/22/06 DUP	E601	0 of 18	-	-	-	-	-
W-7C	5/23/06	E601	0 of 18	-	-	-	-	-
W-7C	11/28/06	E601	0 of 18	-	-	-	-	-
W-7D	5/15/06	E601	0 of 18	-	-	-	-	-
W-7D	12/19/06	E601	0 of 18	-	-	-	-	-
W-7DS	1/18/06	E601	0 of 18	-	-	-	-	-
W-7DS	5/31/06	E601	0 of 18	-	-	-	-	-
W-7DS	8/2/06	E601	0 of 18	-	-	-	-	-
W-7DS	12/1/06	E601	0 of 18	-	-	-	-	-
W-7E	5/31/06	E601	0 of 18	-	-	-	-	-
W-7E	12/18/06	E601	4 of 18	-	1.2	0.75	1.2	4.4 O
W-7ES	1/24/06	E601	3 of 18	-	1.2	3.4	1.4	-
W-7ES	7/26/06	E601	0 of 18	-	-	-	-	-
W-7F	5/31/06	E601	0 of 18	-	-	-	-	-
W-7F	12/7/06	E601	0 of 18	-	-	-	-	-
W-7G	4/24/06	E601	0 of 18	-	-	-	-	-
W-7G	11/28/06	E601	0 of 18	-	-	-	-	-
W-7H	5/3/06	E601	0 of 18	-	-	-	-	-
W-7H	11/15/06	E601	0 of 18	-	-	-	-	-
W-7I	1/26/06	E601	1 of 18	24	-	-	-	-
W-7I	7/12/06	E601	1 of 18	17	-	-	-	-
W-7I	10/23/06	E601	1 of 18	16	-	-	-	-
W-7J	4/24/06	E601	0 of 18	-	-	-	-	-
W-7J	10/12/06	E601	0 of 18	-	-	-	-	-
W-7K	5/3/06	E601	0 of 18	-	-	-	-	-
W-7K	11/28/06	E601	0 of 18	-	-	-	-	-
W-7K	11/28/06 DUP	E601	0 of 18	-	-	-	-	-
W-7L	5/3/06	E601	0 of 18	-	-	-	-	-
W-7L	11/28/06	E601	0 of 18	-	-	-	-	-
W-7L	11/28/06 DUP	E601	0 of 18	-	-	-	-	-
W-7M	5/3/06	E601	0 of 18	-	-	-	-	-
W-7M	11/22/06	E601	0 of 18	-	-	-	-	-
W-7N	5/3/06	E601	0 of 18	-	-	-	-	-
W-7N	11/22/06	E601	0 of 18	-	-	-	-	-
W-7O	1/10/06	E601	0 of 19	-	-	-	-	-
W-7O	4/11/06	E601	1 of 18	1.4	-	-	-	-
W-7O	7/12/06	E601	0 of 18	-	-	-	-	-
W-7O	10/23/06	E601	0 of 18	-	-	-	-	-
W-7P	1/26/06	E601	0 of 18	-	-	-	-	-
W-7P	4/11/06	E601	0 of 18	-	-	-	-	-
W-7P	7/12/06	E601	0 of 18	-	-	-	-	-
W-7P	10/23/06	E601	0 of 18	-	-	-	-	-
W-7PS	1/24/06	E601	0 of 18	-	-	-	-	-
W-7PS	5/31/06	E601	0 of 18	-	-	-	-	-
W-7PS	8/2/06	E601	0 of 18	-	-	-	-	-

Table B-1 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Dibromochloro-methane (µg/L)	Methylene chloride (µg/L)
W-7PS	12/7/06	E601	0 of 18	-	-	-	-	-
W-7Q	1/9/06	E601	1 of 19	1.4	-	-	-	-
W-7Q	4/24/06	E601	0 of 18	-	-	-	-	-
W-7Q	7/19/06	E601	0 of 18	-	-	-	-	-
W-7Q	10/12/06	E601	0 of 18	-	-	-	-	-
W-7R	1/10/06	E601	0 of 19	-	-	-	-	-
W-7R	4/11/06	E601	0 of 18	-	-	-	-	-
W-7R	7/12/06	E601	0 of 18	-	-	-	-	-
W-7R	10/23/06	E601	0 of 18	-	-	-	-	-
W-7S	1/9/06	E601	0 of 19	-	-	-	-	-
W-7S	1/09/06 DUP	E601	0 of 18	-	-	-	-	-
W-7S	4/24/06	E601	0 of 18	-	-	-	-	-
W-7S	7/19/06	E601	0 of 18	-	-	-	-	-
W-7S	11/2/06	E601	0 of 18	-	-	-	-	-
W-7T	1/9/06	E601	0 of 19	-	-	-	-	-
W-7T	4/24/06	E601	0 of 18	-	-	-	-	-
W-7T	7/19/06	E601	0 of 18	-	-	-	-	-
W-7T	11/2/06	E601	0 of 18	-	-	-	-	-
W-843-01	6/5/06	E601	0 of 18	-	-	-	-	-
W-843-01	10/12/06	E601	0 of 18	-	-	-	-	-
W-843-02	6/7/06	E601	0 of 18	-	-	-	-	-
W-843-02	12/18/06	E601	0 of 18	-	-	-	-	-
W-872-01	6/5/06	E601	0 of 18	-	-	-	-	-
W-872-01	10/12/06	E601	0 of 18	-	-	-	-	-
W-872-02	10/23/06	E601	0 of 18	-	-	-	-	-
W-873-01	5/25/06	E601	0 of 18	-	-	-	-	-
W-873-01	10/10/06	E601	0 of 18	-	-	-	-	-
W-873-02	5/25/06	E601	0 of 18	-	-	-	-	-
W-873-02	10/10/06	E601	0 of 18	-	-	-	-	-
W-873-03	5/25/06	E601	0 of 18	-	-	-	-	-
W-873-03	10/10/06	E601	0 of 18	-	-	-	-	-
W-873-04	6/6/06	E601	0 of 18	-	-	-	-	-
W-873-04	10/12/06	E601	0 of 18	-	-	-	-	-
W-873-06	6/6/06	E601	0 of 18	-	-	-	-	-
W-873-06	10/11/06	E601	0 of 18	-	-	-	-	-
W-873-07	1/10/06	E601	0 of 19	-	-	-	-	-
W-873-07	4/11/06	E601	0 of 18	-	-	-	-	-
W-873-07	7/12/06	E601	0 of 18	-	-	-	-	-
W-873-07	10/23/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1733	1/9/06	E601	0 of 19	-	-	-	-	-
W-CGSA-1733	5/25/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1733	8/7/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1733	11/16/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1736	5/25/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1736	11/16/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1737	5/25/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1737	11/16/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1739	1/9/06	E601	0 of 19	-	-	-	-	-
W-CGSA-1739	5/25/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1739	8/7/06	E601	0 of 18	-	-	-	-	-
W-CGSA-1739	11/16/06	E601	0 of 18	-	-	-	-	-
W-875-01	6/1/06	E601	0 of 18	-	-	-	-	-
W-875-01	11/22/06	E601	1 of 18	9.4	-	-	-	-
W-875-02	6/5/06	E601	0 of 18	-	-	-	-	-
W-875-02	11/3/06	E601	0 of 18	-	-	-	-	-
W-875-03	11/15/06	E601	0 of 18	-	-	-	-	-
W-875-03	11/15/06 DUP	E601	0 of 18	-	-	-	-	-
W-875-04	6/1/06	E601	0 of 18	-	-	-	-	-
W-875-04	11/3/06	E601	0 of 18	-	-	-	-	-
W-875-05	6/5/06	E601	0 of 18	-	-	-	-	-
W-875-05	10/24/06	E601	0 of 18	-	-	-	-	-
W-875-06	6/5/06	E601	0 of 18	-	-	-	-	-
W-875-06	11/15/06	E601	0 of 18	-	-	-	-	-
W-875-07	1/10/06	E601	1 of 19	8.7	-	-	-	-
W-875-07	4/11/06	E601	1 of 18	10	-	-	-	-
W-875-07	7/12/06	E601	1 of 18	10	-	-	-	-
W-875-07	10/23/06	E601	1 of 18	7.5	-	-	-	-

Table B-1 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Dibromochloro-methane (µg/L)	Methylene chloride (µg/L)
W-875-08	1/10/06	E601	1 of 19	21	-	-	-	-
W-875-08	4/11/06	E601	1 of 18	20	-	-	-	-
W-875-08	7/12/06	E601	1 of 18	18	-	-	-	-
W-875-08	10/23/06	E601	1 of 18	17	-	-	-	-
W-876-01	6/5/06	E601	0 of 18	-	-	-	-	-
W-876-01	10/12/06	E601	0 of 18	-	-	-	-	-
W-879-01	6/6/06	E601	0 of 18	-	-	-	-	-
W-879-01	10/12/06	E601	0 of 18	-	-	-	-	-
W-889-01	6/6/06	E601	0 of 18	-	-	-	-	-
W-889-01	10/12/06	E601	0 of 18	-	-	-	-	-

Table B-2. General Services Area OU metals in ground water.

Location	Date	Barium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Potassium (mg/L)
CDF1	1/13/06	-	-	-	9.1
CDF1	1/13/06 DUP	-	-	-	14
CDF1	4/18/06	-	-	-	8.2
CDF1	4/18/06 DUP	-	-	-	14 L
CDF1	7/12/06	-	-	-	7.5
CDF1	7/12/06 DUP	-	-	-	13 L
CDF1	10/9/06	-	-	-	8.2
CDF1	10/09/06 DUP	-	-	-	13 L
CON1	1/12/06	-	-	-	9.2
CON1	1/12/06 DUP	-	-	-	19
CON1	4/18/06	-	-	-	9.1
CON1	4/18/06 DUP	-	-	-	17 L
CON1	7/12/06	-	-	-	8.8
CON1	7/12/06 DUP	-	-	-	18 L
CON1	10/9/06	-	-	-	9.5
CON1	10/09/06 DUP	-	-	-	18 L
W-25N-04	5/17/06	<0.025	-	-	-
W-25N-04	11/21/06	<0.025	-	-	-
W-35A-04	8/2/06	-	-	-	5.7
W-35A-04	8/02/06 DUP	-	-	-	5.6
W-7I	10/23/06	-	-	<0.0002	-
W-875-07	1/10/06	-	<0.005	-	-

Table B-3. General Services Area OU high explosives in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
CDF1	1/13/06	<5	<5
CDF1	1/13/06 DUP	<1	<1
CDF1	4/18/06	<1	<1
CDF1	4/18/06 DUP	<1	<1
CDF1	7/12/06	<1 D	<1 D
CDF1	7/12/06 DUP	<1	<1
CDF1	10/9/06	<1	<1
CDF1	10/09/06 DUP	<1	<1
CON1	1/12/06	<1	<1
CON1	1/12/06 DUP	<1	<1
CON1	4/18/06	<1	<1
CON1	4/18/06 DUP	<1	<1
CON1	7/12/06	<1	<1
CON1	7/12/06 DUP	<1	<1
CON1	10/9/06	<1 D	<1 D
CON1	10/09/06 DUP	<1	<1
W-25M-01	5/11/06	<1	<1
W-25M-01	10/19/06	<1	<1
W-35A-04	8/2/06	<1	<1
W-35A-04	8/02/06 DUP	<1	<1

Table B-4. General Services Area OU nutrients and perchlorate in ground water.

Location	Date	Ammonia Nitrogen (as N) (mg/L)	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Nitrite (as N) (mg/L)	Nitrite (as NO2) (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Perchlorate (µg/L)
W-25M-01	5/11/06	0.41 H	<1 D	2.5 H	<0.5	<0.5 H	3.2 H	<4
W-25M-01	10/19/06	0.31 H	1 D	4.6 H	<0.5	<0.5 H	0.55 H	<4
W-25N-04	5/17/06	D	-	-	-	-	-	<4
W-25N-04	11/21/06	D	-	-	-	-	-	<4
W-25N-20	1/17/06	-	-	11	-	-	-	-
W-25N-20	7/24/06	-	-	9.8	-	-	-	-
W-26R-01	1/18/06	-	-	31	-	-	-	-
W-26R-01	8/2/06	-	-	19	-	-	-	-
W-26R-05	1/24/06	-	-	0.73	-	-	-	-
W-26R-05	7/25/06	-	-	16	-	-	-	-
W-26R-05	7/25/06 DUP	-	-	16	-	-	-	-
W-26R-11	1/18/06	-	-	13	-	-	-	-
W-26R-11	7/24/06	-	-	11	-	-	-	-
W-35A-04	1/24/06	-	-	12	-	-	-	-
W-35A-04	8/2/06	-	-	12	-	-	-	<4
W-35A-04	8/02/06 DUP	-	-	12	-	-	-	<4
W-7DS	1/18/06	-	-	11	-	-	-	-
W-7DS	8/2/06	-	-	10	-	-	-	-
W-7E	1/23/06	-	-	<0.5	-	-	-	-
W-7E	1/23/06 DUP	-	-	<0.5	-	-	-	-
W-7E	7/26/06	-	-	9.4 S	-	-	-	-
W-7ES	1/23/06	-	-	10 D	-	-	-	-
W-7ES	7/26/06	-	-	9.3	-	-	-	-
W-7PS	1/24/06	-	-	17	-	-	-	-
W-7PS	8/2/06	-	-	15	-	-	-	-

Table B-5. Building 834 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-834-1709	3/8/06	E601	2,600 D	34 D	430 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-1709	8/1/06	E601	4,100 LD	40 D	960 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-1711	3/8/06	E601	840 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-834-1711	8/1/06	E601	900 LD	2.7 D	1.3 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-834-1824	3/7/06	E601	1,300 BD	<2.5 D	2,100 D	<250 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	4.6 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-834-1824	8/2/06	E601	4,700 D	8.2 D	1,200 D	<25 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-1825	3/7/06	E601	7,500 BD	22 D	16 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-834-1825	8/1/06	E601	7,200 LD	<12 D	14 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-834-1833	3/7/06	E601	15,000 BD	40 D	38 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	8/1/06	E601	14,000 LD	<25 D	26 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-2001	3/23/06	E624	29,000 D	55 D	380 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2001	4/4/06	E624	28,000 D	<50 D	340 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2001	7/6/06	E624	21,000 D	<50 D	650 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2001	10/10/06	E624	17,000 D	120 D	800 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2113	1/25/06	E624	22,000 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-2113	4/13/06	E624	16,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH
W-834-2113	4/13/06 DUP	E624	15,000 BD	<50 D	92 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2113	8/1/06	E624	27,000 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-2113	10/9/06	E624	21,000 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<1,000 D	<500 D
W-834-2113	10/09/06 DUP	E624	20,000 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<1,000 D	<500 D
W-834-2117	1/25/06	E624	20,000 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-2117	4/13/06	E624	16,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH
W-834-2117	8/1/06	E624	19,000 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-2117	10/9/06	E624	14,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<5,000 D	<10,000 D	<5,000 D
W-834-2117	10/09/06 DUP	E624	14,000 D	150 D	140 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2118	3/23/06	E624	290 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<500 DH	<250 DH
W-834-2118	6/6/06	E624	260 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<5 DH	<10 DH	<5 DH
W-834-2118	8/3/06	E624	240 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<25 DFH	<50 DFH	<25 DFH
W-834-2118	8/03/06 DUP	E624	250 D	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-2118	12/22/06	E624	270 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<25 DH	<50 DH	<25 DH
W-834-2119	3/8/06	E601	9,900 DL	12	8.2	0.7	1.5	3.2 L	<0.5	<0.5	2.4 L	<0.5	1.7	2.5	<0.5	<0.5
W-834-2119	8/1/06	E624	11,000 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<250 DH	<500 DH	<250 DH
W-834-A1	2/28/06	E624	230,000 BD	1,300 D	490 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D
W-834-A1	7/25/06	E624	220,000 D	1,300 D	540 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D
W-834-B2	1/11/06	E601	2,500 D	38 D	750 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-B2	4/4/06	E601	1,100 D	16 D	270 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-834-B2	7/6/06	E601	1,600 D	23 D	330 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-834-B2	10/10/06	E601	2,700 D	30 D	860 D	<25 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-834-B3	1/11/06	E601	280 D	<2.5 D	1,400 D	<25 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	4.2 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-834-B3	4/4/06	E601	340 D	<2.5 D	1,900 D	<25 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	6.4 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	5.2 D
W-834-B3	7/6/06	E601	870 D	<2.5 D	3,600 D	<25 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	14 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	8 D
W-834-B3	10/10/06	E601	1,400 D	<5 D	4,000 D	<50 D	<5 D	<5 D	<5 D	<5 D	13 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-B4	1/25/06	E601	7,300 BD	<25 D	3,900 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-B4	7/24/06	E601	17,000 D	42 D	12,000 D	<250 D	<25 D	<25 D	<25 D	<25 D	33 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-C2	1/25/06	E601	350 BD	1.1	3.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C4	1/25/06	E601	44 B	<0.5	21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C4	1/25/06 DUP	E601	57	<0.5	27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C4	7/24/06	E601	100	<0.5	130 D	<2.5 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C4	7/24/06 DUP	E601	71	<0.5	66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C5	1/25/06	E601	19,000 BD	44 D	4,600 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-C5	7/24/06	E601	35,000 D	130 D	30,000 D	<500 D	<25 D	<25 D	<25 D	<25 D	93 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D3	3/10/06	E601	<5 BD	<5 D	4,700 D	<250 D	<5 D	<5 D	<5 D	<5 D	7.4 D	<5 D	<5 D	<5 D	<5 D	190 D
W-834-D3	9/13/06	E601	<25 D	<25 D	5,700 D	<50 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	200 D
W-834-D4	1/11/06	E601	9,000 D	30 D	6,700 D	<100 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D4	4/4/06	E601	28,000 D	130 D	2,600 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D4	7/6/06	E601	24,000 D	130 D	3,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D4	10/10/06	E601	17,000 D	110 D	12,000 D	<250 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D5	1/25/06	E601	61	<0.5	380 D	<25 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.6
W-834-D5	8/2/06	E601	34	<0.5	54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D6	1/11/06	E601	3,500 D	7.3 D	460 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	5.3 D	<5 D
W-834-D6	4/4/06	E601	4,300 D	<10 D	510 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-D6	7/6/06	E601	8,700 D	21 D	870 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D6	10/10/06	E601	2,300 D	7.8 D	380 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D7	1/11/06	E624	1,400 D	7.4 D	120 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D7	4/4/06	E601	2,300 D	6.4 D	83 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D7	7/6/06	E624	2,400 D	12 D	250 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-D7	10/10/06	E601	4,300 D	15 D	160 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	4 D	<2.5 D	<2.5 D

Table B-5. Building 834 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-834-D10	3/2/06	E624	3,200 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-D10	7/24/06	E624	3,100 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-D11	3/2/06	E601	83	<0.5	0.76	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D11	3/02/06 DUP	E601	80	<0.5	0.82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D11	8/2/06	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D12	1/12/06	E624	240 D	1.3	26	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-D12	4/4/06	E601	320 D	1.2	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D12	7/6/06	E624	710 D	2.4	120 D	<10 D	<1	<1	<1	<1	<1	<1	1.2	<1	<1	<1
W-834-D12	10/10/06	E601	390 D	2.1	26	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.51	<0.5	<0.5	<0.5
W-834-D13	1/12/06	E601	27,000 D	190 D	280 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D13	4/4/06	E601	24,000 D	170 D	250 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D13	7/6/06	E601	25,000 D	240 D	150 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D13	10/10/06	E601	24,000 D	190 D	250 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D14	3/10/06	E601	2,600 BD	5.2 D	660 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D14	3/10/06 DUP	E601	2,500 BD	5.7 D	660 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D14	8/2/06	E601	6,000 D	<25 D	860 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D15	3/2/06	E601	18,000 D	44 D	120 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D15	8/2/06	E601	21,000 D	<50 D	220 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-D18	3/2/06	E601	260 D	0.53	130 D	<25 D	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D18	3/02/06 DUP	E601	340 D	<0.5	140 D	<25 D	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D18	8/2/06	E601	63	<0.5	30	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D18	8/02/06 DUP	E601	73	<0.5	34	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-H2	3/8/06	E601	640 D	3.2 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-834-H2	8/2/06	E601	800 D	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5
W-834-J1	1/12/06	E601	280 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	<0.5
W-834-J1	4/4/06	E601	320 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5
W-834-J1	7/6/06	E601	270 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5
W-834-J1	10/10/06	E601	170 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.82	<0.5	<0.5	<0.5
W-834-J2	1/24/06	E601	270 D	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-J2	8/2/06	E601	260 D	<0.5	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-K1A	7/25/06	E624	2.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-M1	1/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-M1	1/24/06 DUP	E601	<0.5 J	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-M1	7/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S1	1/12/06	E624	6,700 D	270 D	350 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S1	4/4/06	E624	6,300 D	160 D	300 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S1	4/04/06 DUP	E624	6,700 D	160 D	330 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S1	7/6/06	E624	6,100 D	190 D	260 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S1	10/10/06	E624	4,800 D	150 D	260 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S10	5/10/06	E601	440 D	9.2	120 D	<25 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5
W-834-S12A	1/12/06	E624	6,500 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S12A	4/4/06	E624	5,200 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S12A	7/6/06	E624	4,900 D	<10 D	11 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S12A	10/10/06	E624	3,900 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S13	1/12/06	E601	940 D	3.8 D	33 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	1.2 D	<1 D	<1 D	<1 D
W-834-S13	4/4/06	E601	820 D	2.7 D	27 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	1.2 D	<1 D	<1 D	<1 D
W-834-S13	7/6/06	E601	880 D	3.3	32	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5
W-834-S13	10/10/06	E601	610 D	2.2	24	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5
W-834-S4	3/2/06	E601	6.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S4	7/31/06	E601	7.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S4	7/31/06 DUP	E601	5.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S6	3/23/06	E601	5.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S6	8/3/06	E601	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S7	3/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S7	8/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S8	3/1/06	E624	2,300 D	22 D	47 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S8	7/31/06	E624	2,000 D	25 D	38 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S9	3/1/06	E624	2,300 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S9	7/31/06	E624	2,300 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
W-834-S9	7/31/06 DUP	E624	2,000 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<1,000 D	<500 D
W-834-T1	1/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T1	4/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T1	7/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T1	10/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T2	3/3/06	E601	11,000 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	8/3/06	E601	15,000 D	34 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	3/3/06	E601	13,000 BD	<25 D	31 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D

Table B-5. Building 834 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-834-T2A	7/31/06	E601	14,000 D	<25 D	32 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	3/23/06	E601	13,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	8/3/06	E601	12,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T3	1/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	4/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	7/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	10/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T5	3/3/06	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T5	8/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T7A	3/3/06	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T7A	8/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-U1	1/24/06	E624	23,000 D	130 D	1,100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D
W-834-U1	1/24/06 DUP	E624	30,000 DHJ	<500 DH	1,500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-U1	7/25/06	E624	45,000 D	180 D	2,200 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D

Table B-5 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	1,3-Dichlorobenzene (µg/L)	Methylene chloride (µg/L)
W-834-1709	3/8/06	E601	1 of 18	430 D	-	-
W-834-1709	8/1/06	E601	1 of 18	960 D	-	-
W-834-1711	3/8/06	E601	0 of 18	-	-	-
W-834-1711	8/1/06	E601	0 of 18	-	-	-
W-834-1824	3/7/06	E601	1 of 18	2,100 D	-	-
W-834-1824	8/2/06	E601	1 of 18	1,200 D	-	-
W-834-1825	3/7/06	E601	0 of 18	-	-	-
W-834-1825	8/1/06	E601	0 of 18	-	-	-
W-834-1833	3/7/06	E601	0 of 18	-	-	-
W-834-1833	8/1/06	E601	0 of 18	-	-	-
W-834-2001	3/23/06	E624	1 of 30	390 D	-	-
W-834-2001	4/4/06	E624	1 of 30	340 D	-	-
W-834-2001	7/6/06	E624	1 of 30	650 D	-	-
W-834-2001	10/10/06	E624	1 of 30	800 D	-	-
W-834-2113	1/25/06	E624	0 of 30	-	-	-
W-834-2113	4/13/06	E624	0 of 30	-	-	-
W-834-2113	4/13/06 DUP	E624	1 of 30	92 D	-	-
W-834-2113	8/1/06	E624	0 of 30	-	-	-
W-834-2113	10/9/06	E624	0 of 30	-	-	-
W-834-2113	10/09/06 DUP	E624	0 of 30	-	-	-
W-834-2117	1/25/06	E624	0 of 30	-	-	-
W-834-2117	4/13/06	E624	0 of 30	-	-	-
W-834-2117	8/1/06	E624	0 of 30	-	-	-
W-834-2117	10/9/06	E624	0 of 30	-	-	-
W-834-2117	10/09/06 DUP	E624	1 of 30	140 D	-	-
W-834-2118	3/23/06	E624	0 of 30	-	-	-
W-834-2118	6/6/06	E624	0 of 30	-	-	-
W-834-2118	8/3/06	E624	0 of 30	-	-	-
W-834-2118	8/03/06 DUP	E624	0 of 30	-	-	-
W-834-2118	12/22/06	E624	0 of 30	-	-	-
W-834-2119	3/8/06	E601	1 of 18	8.9	-	-
W-834-2119	8/1/06	E624	0 of 30	-	-	-
W-834-A1	2/28/06	E624	1 of 30	540 D	-	-
W-834-A1	7/25/06	E624	1 of 30	540 D	-	-
W-834-B2	1/11/06	E601	1 of 19	750 D	-	-
W-834-B2	4/4/06	E601	1 of 18	270 D	-	-
W-834-B2	7/6/06	E601	1 of 18	330 D	-	-
W-834-B2	10/10/06	E601	1 of 18	860 D	-	-
W-834-B3	1/11/06	E601	1 of 19	1,400 D	-	-
W-834-B3	4/4/06	E601	1 of 18	1,900 D	-	-
W-834-B3	7/6/06	E601	1 of 18	3,600 D	-	-
W-834-B3	10/10/06	E601	1 of 18	4,000 D	-	-
W-834-B4	1/25/06	E601	1 of 18	3,900 D	-	-
W-834-B4	7/24/06	E601	1 of 18	12,000 D	-	-
W-834-C2	1/25/06	E601	1 of 18	3.9	-	-
W-834-C4	1/25/06	E601	1 of 18	21	-	-
W-834-C4	1/25/06 DUP	E601	1 of 18	27	-	-
W-834-C4	7/24/06	E601	1 of 18	130 D	-	-
W-834-C4	7/24/06 DUP	E601	1 of 18	66	-	-
W-834-C5	1/25/06	E601	1 of 18	4,600 D	-	-
W-834-C5	7/24/06	E601	1 of 18	30,000 D	-	-
W-834-D3	3/10/06	E601	1 of 18	4,700 D	-	-
W-834-D3	9/13/06	E601	1 of 18	5,700 D	-	-
W-834-D4	1/11/06	E601	1 of 19	6,700 D	-	-
W-834-D4	4/4/06	E601	1 of 18	2,600 D	-	-
W-834-D4	7/6/06	E601	1 of 18	3,000 D	-	-
W-834-D4	10/10/06	E601	1 of 18	12,000 D	-	-
W-834-D5	1/25/06	E601	1 of 18	380 D	-	-
W-834-D5	8/2/06	E601	1 of 18	54	-	-
W-834-D6	1/11/06	E601	1 of 19	460 D	-	-
W-834-D6	4/4/06	E601	1 of 18	510 D	-	-

Table B-5 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	1,3-Dichlorobenzene (µg/L)	Methylene chloride (µg/L)
W-834-D6	7/6/06	E601	1 of 18	870 D	-	-
W-834-D6	10/10/06	E601	1 of 18	380 D	-	-
W-834-D7	1/11/06	E624	1 of 30	120 D	-	-
W-834-D7	4/4/06	E601	1 of 18	83 D	-	-
W-834-D7	7/6/06	E624	1 of 30	250 D	-	-
W-834-D7	10/10/06	E601	1 of 18	160 D	-	-
W-834-D10	3/2/06	E624	0 of 30	-	-	-
W-834-D10	7/24/06	E624	0 of 30	-	-	-
W-834-D11	3/2/06	E601	0 of 18	-	-	-
W-834-D11	3/02/06 DUP	E601	0 of 18	-	-	-
W-834-D11	8/2/06	E601	0 of 18	-	-	-
W-834-D12	1/12/06	E624	1 of 30	26	-	-
W-834-D12	4/4/06	E601	1 of 18	19	-	-
W-834-D12	7/6/06	E624	1 of 30	120 D	-	-
W-834-D12	10/10/06	E601	1 of 18	26	-	-
W-834-D13	1/12/06	E601	1 of 19	280 D	-	-
W-834-D13	4/4/06	E601	1 of 18	250 D	-	-
W-834-D13	7/6/06	E601	1 of 18	150 D	-	-
W-834-D13	10/10/06	E601	2 of 18	250 D	-	50 D
W-834-D14	3/10/06	E601	1 of 18	660 D	-	-
W-834-D14	3/10/06 DUP	E601	1 of 18	660 D	-	-
W-834-D14	8/2/06	E601	1 of 18	860 D	-	-
W-834-D15	3/2/06	E601	1 of 18	120 D	-	-
W-834-D15	8/2/06	E601	1 of 18	220 D	-	-
W-834-D18	3/2/06	E601	1 of 18	130 D	-	-
W-834-D18	3/02/06 DUP	E601	1 of 18	140 D	-	-
W-834-D18	8/2/06	E601	1 of 18	30	-	-
W-834-D18	8/02/06 DUP	E601	1 of 18	34	-	-
W-834-H2	3/8/06	E601	0 of 18	-	-	-
W-834-H2	8/2/06	E601	0 of 18	-	-	-
W-834-J1	1/12/06	E601	0 of 19	-	-	-
W-834-J1	4/4/06	E601	0 of 18	-	-	-
W-834-J1	7/6/06	E601	0 of 18	-	-	-
W-834-J1	10/10/06	E601	0 of 18	-	-	-
W-834-J2	1/24/06	E601	0 of 18	-	-	-
W-834-J2	8/2/06	E601	1 of 18	3.3	-	-
W-834-K1A	7/25/06	E624	0 of 30	-	-	-
W-834-M1	1/24/06	E601	1 of 18	-	0.71	-
W-834-M1	1/24/06 DUP	E601	1 of 18	-	0.6	-
W-834-M1	7/31/06	E601	1 of 18	-	0.61	-
W-834-S1	1/12/06	E624	1 of 30	350 D	-	-
W-834-S1	4/4/06	E624	1 of 30	300 D	-	-
W-834-S1	4/04/06 DUP	E624	1 of 30	330 D	-	-
W-834-S1	7/6/06	E624	1 of 30	260 D	-	-
W-834-S1	10/10/06	E624	1 of 30	260 D	-	-
W-834-S10	5/10/06	E601	1 of 18	120 D	-	-
W-834-S12A	1/12/06	E624	0 of 30	-	-	-
W-834-S12A	4/4/06	E624	0 of 30	-	-	-
W-834-S12A	7/6/06	E624	1 of 30	11 D	-	-
W-834-S12A	10/10/06	E624	0 of 30	-	-	-
W-834-S13	1/12/06	E601	1 of 19	33 D	-	-
W-834-S13	4/4/06	E601	1 of 18	27 D	-	-
W-834-S13	7/6/06	E601	1 of 18	32	-	-
W-834-S13	10/10/06	E601	1 of 18	24	-	-
W-834-S4	3/2/06	E601	0 of 18	-	-	-
W-834-S4	7/31/06	E601	0 of 18	-	-	-
W-834-S4	7/31/06 DUP	E601	0 of 18	-	-	-
W-834-S6	3/23/06	E601	0 of 18	-	-	-
W-834-S6	8/3/06	E601	0 of 18	-	-	-
W-834-S7	3/23/06	E601	0 of 18	-	-	-
W-834-S7	8/3/06	E601	0 of 18	-	-	-

Table B-5 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	1,3-Dichlorobenzene (µg/L)	Methylene chloride (µg/L)
W-834-S8	3/1/06	E624	1 of 30	47 D	-	-
W-834-S8	7/31/06	E624	1 of 30	38 D	-	-
W-834-S9	3/1/06	E624	0 of 30	-	-	-
W-834-S9	7/31/06	E624	0 of 30	-	-	-
W-834-S9	7/31/06 DUP	E624	0 of 30	-	-	-
W-834-T1	1/23/06	E601	0 of 18	-	-	-
W-834-T1	4/13/06	E601	0 of 18	-	-	-
W-834-T1	7/5/06	E601	0 of 18	-	-	-
W-834-T1	10/3/06	E601	0 of 18	-	-	-
W-834-T2	3/3/06	E601	0 of 18	-	-	-
W-834-T2	8/3/06	E601	0 of 18	-	-	-
W-834-T2A	3/3/06	E601	0 of 18	-	-	-
W-834-T2A	7/31/06	E601	0 of 18	-	-	-
W-834-T2D	3/23/06	E601	0 of 18	-	-	-
W-834-T2D	8/3/06	E601	0 of 18	-	-	-
W-834-T3	1/23/06	E601	0 of 18	-	-	-
W-834-T3	4/13/06	E601	0 of 18	-	-	-
W-834-T3	7/5/06	E601	0 of 18	-	-	-
W-834-T3	10/3/06	E601	0 of 18	-	-	-
W-834-T5	3/3/06	E601	0 of 18	-	-	-
W-834-T5	8/7/06	E601	0 of 18	-	-	-
W-834-T7A	3/3/06	E601	0 of 18	-	-	-
W-834-T7A	8/3/06	E601	0 of 18	-	-	-
W-834-U1	1/24/06	E624	1 of 30	1,100 D	-	-
W-834-U1	1/24/06 DUP	E624	1 of 30	1,500 DH	-	-
W-834-U1	7/25/06	E624	1 of 30	2,200 D	-	-

Table B-6. Building 834 OU nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-834-1709	3/8/06	<0.5	-
W-834-1709	8/1/06	-	<4
W-834-1711	3/8/06	98 D	-
W-834-1711	4/20/06	-	<4
W-834-1824	3/7/06	<0.5	-
W-834-1825	3/7/06	58	-
W-834-1833	3/7/06	59	-
W-834-2001	3/23/06	6.1	-
W-834-2001	7/10/06	-	<4
W-834-2113	1/25/06	54 D	-
W-834-2117	1/25/06	120 D	<4
W-834-2117	4/13/06	-	<4
W-834-2117	8/1/06	-	<4
W-834-2118	3/23/06	150 D	4.7
W-834-2118	6/6/06	-	6.4
W-834-2118	8/3/06	-	<4
W-834-2118	12/22/06	-	4.2
W-834-2119	3/8/06	110 D	-
W-834-2119	12/22/06	-	<4
W-834-A1	2/28/06	0.77	-
W-834-B2	1/11/06	51	-
W-834-B3	1/11/06	12	-
W-834-B4	1/25/06	11	-
W-834-C2	1/25/06	100 D	-
W-834-C4	1/25/06	59	-
W-834-C4	1/25/06 DUP	55 D	-
W-834-C5	1/25/06	74	-
W-834-D3	3/10/06	<0.5	-
W-834-D4	1/11/06	12	-
W-834-D5	1/25/06	2.7	-
W-834-D6	1/11/06	48	-
W-834-D7	1/11/06	50	-
W-834-D10	3/2/06	83 D	-
W-834-D12	1/12/06	26	-
W-834-D13	1/12/06	98	-
W-834-D15	3/2/06	220 D	-
W-834-D18	3/2/06	64	-
W-834-D18	3/02/06 DUP	64	-
W-834-J1	1/12/06	110	-
W-834-J2	1/24/06	270 D	-
W-834-M1	1/24/06	260 D	-
W-834-M1	1/24/06 DUP	260 D	-
W-834-S1	1/12/06	100	-
W-834-S12A	1/12/06	99	-
W-834-S13	1/12/06	96	-

Table B-6. Building 834 OU nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-834-S4	3/2/06	150 D	-
W-834-S6	3/23/06	170 D	-
W-834-S7	3/23/06	330 D	-
W-834-S8	3/1/06	110 D	-
W-834-S9	3/1/06	91	-
W-834-T1	1/23/06	<0.5	-
W-834-T1	7/5/06	<0.5	-
W-834-T2	3/3/06	44	-
W-834-T2A	3/3/06	51	-
W-834-T2D	3/23/06	94 D	-
W-834-T3	1/23/06	<0.5	-
W-834-T3	7/5/06	<0.5	-
W-834-T5	3/3/06	98 D	-
W-834-U1	1/24/06	0.65	-
W-834-U1	1/24/06 DUP	1.1	-

Table B-7. Building 834 OU tetrabutyl orthosilicate (TBOS) in ground water.

Location	Date	TBOS (µg/L)
W-834-1709	3/8/06	41 D
W-834-1711	3/8/06	17
W-834-1824	3/7/06	3 B
W-834-1825	3/7/06	1.5 B
W-834-1833	3/7/06	1.7 B
W-834-2001	3/23/06	48 D
W-834-2113	1/25/06	<100
W-834-2113	4/13/06	<100
W-834-2113	4/13/06 DUP	11 DIJ
W-834-2113	8/1/06	<100
W-834-2117	1/25/06	<100
W-834-2118	3/23/06	<100
W-834-2119	3/8/06	<100
W-834-A1	2/28/06	<1
W-834-B2	1/11/06	60 D
W-834-B3	1/11/06	55 D
W-834-B4	1/25/06	24 D
W-834-C4	1/25/06	34 D
W-834-C4	1/25/06 DUP	<100
W-834-C5	1/25/06	42 D
W-834-D3	3/10/06	15,000 D
W-834-D3	9/13/06	5,900 D
W-834-D4	1/11/06	260 D
W-834-D4	7/10/06	5,600 0D
W-834-D5	1/25/06	33 D
W-834-D5	8/2/06	61
W-834-D6	1/11/06	29 D
W-834-D6	7/10/06	49 O
W-834-D7	1/11/06	28 D
W-834-D10	3/2/06	2.9
W-834-D12	1/12/06	33 D
W-834-D12	7/10/06	60 O
W-834-D13	1/12/06	<1
W-834-D13	7/10/06	11 O
W-834-D15	3/2/06	<1
W-834-D18	3/2/06	1.2
W-834-D18	3/02/06 DUP	1.3
W-834-J1	1/12/06	1
W-834-J2	1/24/06	<1
W-834-M1	1/24/06	<1 D
W-834-M1	1/24/06 DUP	<100
W-834-S1	1/12/06	<1
W-834-S1	7/10/06	17 O
W-834-S10	5/10/06	<1
W-834-S12A	1/12/06	<1
W-834-S13	1/12/06	<1
W-834-S4	3/2/06	1.6
W-834-S6	3/23/06	3
W-834-S7	3/23/06	<1 D
W-834-S8	3/1/06	<1
W-834-S9	3/1/06	<1
W-834-T1	1/23/06	<1 D
W-834-T1	7/5/06	<1 D
W-834-T2	3/3/06	1.6
W-834-T2A	3/3/06	28
W-834-T2D	3/23/06	1.1 D
W-834-T3	1/23/06	<1 D
W-834-T3	7/5/06	<10 D
W-834-T3	10/3/06	<10
W-834-T5	3/3/06	3.2
W-834-U1	1/24/06	<1 D
W-834-U1	1/24/06 DUP	<100

Table B-8. Building 834 OU diesel range organic compounds in ground water.

Location	Date	Diesel Fuel (µg/L)	Diesel Range Organics (C12-C24) (µg/L)
W-834-2001	3/23/06	2,000 D	-
W-834-2001	7/10/06	DLR	-
W-834-A1	2/28/06	-	<200 D
W-834-C5	1/25/06	-	<200 D
W-834-D6	1/11/06	-	<200 D
W-834-D7	1/11/06	-	<200
W-834-D10	3/2/06	-	<200
W-834-D12	1/12/06	-	<200 D
W-834-S1	1/12/06	-	<200 D
W-834-S10	5/10/06	<200	<200
W-834-S8	3/1/06	-	<200
W-834-S9	3/1/06	-	<200 D
W-834-U1	1/24/06	340 D	-
W-834-U1	1/24/06 DUP	140	-

Table B-9. Building 834 OU general minerals in ground water.

Constituents of concern	W-834-C5 1/25/06	W-834-M1 1/24/06	W-834-M1 1/24/06 DUP
Total Alkalinity (as CaCO3) (mg/L)	300 H	75	72 H
Aluminum (mg/L)	<0.2	<1 D	0.3 L
Bicarbonate Alk (as CaCO3) (mg/L)	260 DH	75 H	72 H
Calcium (mg/L)	25	300 D	310 BDL
Carbonate Alk (as CaCO3) (mg/L)	38 DH	<2.5 H	<10 H
Chloride (mg/L)	18	1,500 D	1,600 DL
Copper (mg/L)	-	-	<0.01
Fluoride (mg/L)	0.51	0.87 D	0.33
Hydroxide Alk (as CaCO3) (mg/L)	<5 DH	<2.5 H	<10 H
Iron (mg/L)	<0.1	<0.5 D	0.3 L
Magnesium (mg/L)	19	240 DL	260 D
Manganese (mg/L)	<0.03	<0.15 D	0.072
Nickel (mg/L)	<0.1	<0.5 D	<0.1
Nitrate (as N) (mg/L)	18	60 D	57 D
Nitrate (as NO3) (mg/L)	80 H	260	250 D
Nitrite (as N) (mg/L)	<0.5	<0.5	<0.1
pH (Units)	8.35	7.5	6.9
Ortho-Phosphate (mg/L)	0.31	0.91	0.36
Total Phosphorus (as P) (mg/L)	0.14 H	0.4 H	-
Total Phosphorus (as PO4) (mg/L)	-	-	0.34 H
Potassium (mg/L)	5.7	23 D	49
Sodium (mg/L)	110 L	870 DL	850 D
Total dissolved solids (TDS) (mg/L)	480 D	4,800 D	4,900
Specific Conductance (µmhos/cm)	770	7,000	8,800 DH
Sulfate (mg/L)	23	1,400 D	1,500 DHL
Surfactants (mg/L)	<1 D	<0.5	<1 D
Total Hardness (as CaCO3) (mg/L)	140 H	1,700	1,800 H
Zinc (mg/L)	<0.05	<0.25 D	<0.02

Table B-10. Building 834 OU metals in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
W-834-1711	8/1/06	0.01	0.025	<0.001	0.019	<0.005	<0.0002	0.0029	<0.001
W-834-2001	7/10/06	0.032	0.062	<0.001	<0.001	<0.005	<0.0002	<0.002	<0.001
W-834-M1	1/24/06	-	-	-	0.46 DLO	-	-	-	-
W-834-M1	1/24/06 DUP	-	-	-	0.04 L	-	-	-	-
W-834-M1	7/31/06	-	-	-	0.012	-	-	-	-
W-834-S1	1/12/06	-	-	-	<0.001	-	-	-	-
W-834-S4	3/2/06	-	-	-	0.0012	-	-	-	-
W-834-S9	3/1/06	-	-	-	0.0098	-	-	-	-

Table B-11. Building 834 OU high explosives in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
W-834-C5	1/25/06	<1 D	<1 D

Table B-12. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CARNRW1	1/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	1/10/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	1/10/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	1/10/06 DUP	E624	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CARNRW1	2/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	2/07/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	3/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	3/13/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	4/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	4/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	4/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	4/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	5/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	5/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	6/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	6/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	7/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	7/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	7/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	7/03/06 DUP	E624	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CARNRW1	8/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	8/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	9/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	9/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	10/2/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	10/02/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	10/02/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	10/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	10/31/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	12/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	12/04/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	1/11/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	1/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	1/11/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CARNRW2	1/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	2/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	2/07/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	3/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	3/13/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	4/3/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	4/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	4/03/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	0.6
CARNRW2	4/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	5/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	5/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	6/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	6/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	7/3/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	7/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	7/03/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CARNRW2	7/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	8/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	8/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	9/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	9/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/2/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/02/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/02/06 DUP	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	10/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/31/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	12/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	12/04/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-12. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CARNRW3	1/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	1/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	2/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	2/07/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	3/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	3/13/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	4/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	4/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	5/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	5/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	6/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	6/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	7/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	7/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	8/1/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	8/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	9/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	9/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	10/02/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	10/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	10/31/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	12/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	12/04/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	1/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	1/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	2/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	2/02/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	3/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	3/13/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	4/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	4/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	5/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	5/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	6/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	6/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	7/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	7/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	8/1/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	8/01/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	9/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	9/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	10/02/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	10/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	10/31/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	12/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	12/04/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BC6-10	1/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BC6-10	8/2/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-06	1/20/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-06	4/26/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-06	8/7/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-06	10/25/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-07	1/31/06	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-07	7/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-08	1/20/06	E624	<0.5 E	<1 E	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-08	4/26/06	E624	<0.5 E	<1 E	<1	<1	<1	<1 E	<1 E	<1	<1	<1	<1	<1	<1	<1
EP6-08	7/18/06	E624	<0.5 E	<1 E	<1	<1	<1	<1 EF	<1 E	<1	<1	<1	<1	<1	<1 E	<1
EP6-08	10/30/06	E624	<0.5 E	1	<1	<1	<1	<1 E	<1 E	<1	<1	<1	<1	<1	<1 E	<1
EP6-09	1/3/06	E624	6.4	<1	<1	<1	<1	<1	<1 E	<1 E	<1	<1	<1	<1	<1	<1
EP6-09	1/03/06 DUP	E624	6.5	<1	<1	<1	<1	<1	<1 E	<1 E	<1	<1	<1	<1	<1	<1
EP6-09	5/8/06	E624	6.6	<1 E	<1	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1
EP6-09	7/19/06	E624	6.6	<1	<1	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1

Table B-12. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
EP6-09	10/30/06	E624	8.5	<1	<1	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1
W-PIT6-1819	1/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	4/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	7/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	7/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	10/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01	2/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01	7/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01S	1/3/06	E624	<0.5 E	<1	2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-01S	5/8/06	E624	<0.5	<1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-01S	7/19/06	E624	<0.5 E	<1	2.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-01S	7/19/06 DUP	E624	<0.5 E	<1	2.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-01S	10/30/06	E624	<0.5	<1	1.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-03	1/31/06	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-03	7/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-04	2/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-04	8/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-14	1/24/06	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-14	8/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-16	1/24/06	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-16	1/24/06 DUP	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-16	7/24/06	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	1/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	1/24/06 DUP	E601	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	4/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	7/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	10/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	10/10/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	1/31/06	E601	2 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	1/31/06 DUP	E601	2.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	8/2/06	E601	2.2 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	8/02/06 DUP	E601	2 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-19	1/20/06	E624	3	<1 E	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-19	5/3/06	E624	3.1	<1 E	<1 E	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-19	5/03/06 DUP	E624	3.2	<1	<1	<1 E	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-19	7/18/06	E624	1.8	<1	<1 E	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-19	10/25/06	E624	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K6-22	1/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-22	4/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-22	7/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-22	10/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-23	2/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-23	8/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-24	1/30/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-24	8/2/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-25	1/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-25	7/24/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-26	1/31/06	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-26	8/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-27	1/30/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-27	8/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-32	2/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-32	8/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-33	2/6/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-33	8/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	1/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	4/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	7/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	10/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-35	1/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-35	8/2/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-36	1/20/06	E624	0.89	<1 E	<1	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1
K6-36	4/26/06	E624	0.88	<1 E	<1	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1
K6-36	8/7/06	E624	0.8	<1 E	<1	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1

Table B-12. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-33C-01	2/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-33C-01	7/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-34-01	2/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-34-02	2/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING8	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-12 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloroethane (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)
CARNRW1	1/10/06	E601	0 of 19	-	-	-	-
CARNRW1	1/10/06	E624	0 of 30	-	-	-	-
CARNRW1	1/10/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	1/10/06 DUP	E624	0 of 30	-	-	-	-
CARNRW1	2/7/06	E601	0 of 18	-	-	-	-
CARNRW1	2/07/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	3/13/06	E601	0 of 18	-	-	-	-
CARNRW1	3/13/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	4/3/06	E601	0 of 18	-	-	-	-
CARNRW1	4/3/06	E624	0 of 30	-	-	-	-
CARNRW1	4/03/06 DUP	E601	0 of 28	-	-	-	-
CARNRW1	4/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	5/1/06	E601	0 of 18	-	-	-	-
CARNRW1	5/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	6/1/06	E601	0 of 18	-	-	-	-
CARNRW1	6/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	7/3/06	E601	0 of 18	-	-	-	-
CARNRW1	7/3/06	E624	0 of 30	-	-	-	-
CARNRW1	7/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	7/03/06 DUP	E624	0 of 30	-	-	-	-
CARNRW1	8/1/06	E601	0 of 18	-	-	-	-
CARNRW1	8/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	9/5/06	E601	0 of 18	-	-	-	-
CARNRW1	9/05/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	10/2/06	E601	0 of 18	-	-	-	-
CARNRW1	10/2/06	E624	0 of 30	-	-	-	-
CARNRW1	10/02/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	10/02/06 DUP	E624	0 of 30	-	-	-	-
CARNRW1	10/31/06	E601	0 of 18	-	-	-	-
CARNRW1	10/31/06 DUP	E601	0 of 18	-	-	-	-
CARNRW1	12/4/06	E601	0 of 18	-	-	-	-
CARNRW1	12/04/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	1/11/06	E502.2	0 of 46	-	-	-	-
CARNRW2	1/11/06	E601	0 of 19	-	-	-	-
CARNRW2	1/11/06 DUP	E502.2	0 of 45	-	-	-	-
CARNRW2	1/11/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	2/7/06	E601	0 of 18	-	-	-	-
CARNRW2	2/07/06 DUP	E601	0 of 18	-	-	-	-

Table B-12 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloroethane (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)
CARNRW2	3/13/06	E601	0 of 18	-	-	-	-
CARNRW2	3/13/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	4/3/06	E502.2	0 of 46	-	-	-	-
CARNRW2	4/3/06	E601	0 of 18	-	-	-	-
CARNRW2	4/03/06 DUP	E502.2	3 of 45	-	0.7	0.6	0.5
CARNRW2	4/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	5/1/06	E601	0 of 18	-	-	-	-
CARNRW2	5/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	6/1/06	E601	0 of 18	-	-	-	-
CARNRW2	6/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	7/3/06	E502.2	0 of 46	-	-	-	-
CARNRW2	7/3/06	E601	0 of 18	-	-	-	-
CARNRW2	7/03/06 DUP	E502.2	0 of 45	-	-	-	-
CARNRW2	7/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	8/1/06	E601	0 of 18	-	-	-	-
CARNRW2	8/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	9/5/06	E601	0 of 18	-	-	-	-
CARNRW2	9/05/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	10/2/06	E502.2	0 of 46	-	-	-	-
CARNRW2	10/2/06	E601	0 of 18	-	-	-	-
CARNRW2	10/02/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	10/02/06 DUP	E624	0 of 30	-	-	-	-
CARNRW2	10/31/06	E601	0 of 18	-	-	-	-
CARNRW2	10/31/06 DUP	E601	0 of 18	-	-	-	-
CARNRW2	12/4/06	E601	0 of 18	-	-	-	-
CARNRW2	12/04/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	1/11/06	E601	0 of 19	-	-	-	-
CARNRW3	1/11/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	2/7/06	E601	0 of 18	-	-	-	-
CARNRW3	2/07/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	3/13/06	E601	0 of 18	-	-	-	-
CARNRW3	3/13/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	4/3/06	E601	0 of 18	-	-	-	-
CARNRW3	4/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	5/1/06	E601	0 of 18	-	-	-	-
CARNRW3	5/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	6/1/06	E601	0 of 18	-	-	-	-
CARNRW3	6/01/06 DUP	E601	0 of 18	-	-	-	-

Table B-12 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloroethane (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)
CARNRW3	7/3/06	E601	0 of 18	-	-	-	-
CARNRW3	7/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	8/1/06	E601	0 of 18	-	-	-	-
CARNRW3	8/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	9/5/06	E601	0 of 18	-	-	-	-
CARNRW3	9/05/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	10/2/06	E601	0 of 18	-	-	-	-
CARNRW3	10/02/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	10/31/06	E601	0 of 18	-	-	-	-
CARNRW3	10/31/06 DUP	E601	0 of 18	-	-	-	-
CARNRW3	12/4/06	E601	0 of 18	-	-	-	-
CARNRW3	12/04/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	1/11/06	E601	0 of 19	-	-	-	-
CARNRW4	1/11/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	2/2/06	E601	0 of 18	-	-	-	-
CARNRW4	2/02/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	3/13/06	E601	0 of 18	-	-	-	-
CARNRW4	3/13/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	4/3/06	E601	0 of 18	-	-	-	-
CARNRW4	4/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	5/1/06	E601	0 of 18	-	-	-	-
CARNRW4	5/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	6/1/06	E601	0 of 18	-	-	-	-
CARNRW4	6/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	7/3/06	E601	0 of 18	-	-	-	-
CARNRW4	7/03/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	8/1/06	E601	0 of 18	-	-	-	-
CARNRW4	8/01/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	9/5/06	E601	0 of 18	-	-	-	-
CARNRW4	9/05/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	10/2/06	E601	0 of 18	-	-	-	-
CARNRW4	10/02/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	10/31/06	E601	0 of 18	-	-	-	-
CARNRW4	10/31/06 DUP	E601	0 of 18	-	-	-	-
CARNRW4	12/4/06	E601	0 of 18	-	-	-	-
CARNRW4	12/04/06 DUP	E601	0 of 18	-	-	-	-
BC6-10	1/31/06	E601	0 of 18	-	-	-	-
BC6-10	8/2/06	E601	0 of 18	-	-	-	-

Table B-12 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloroethane (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)
EP6-06	1/20/06	E624	0 of 30	-	-	-	-
EP6-06	4/26/06	E624	0 of 30	-	-	-	-
EP6-06	8/7/06	E624	0 of 30	-	-	-	-
EP6-06	10/25/06	E624	0 of 30	-	-	-	-
EP6-07	1/31/06	E601	0 of 18	-	-	-	-
EP6-07	7/17/06	E601	0 of 18	-	-	-	-
EP6-08	1/20/06	E624	0 of 30	-	-	-	-
EP6-08	4/26/06	E624	0 of 30	-	-	-	-
EP6-08	7/18/06	E624	0 of 30	-	-	-	-
EP6-08	10/30/06	E624	0 of 30	-	-	-	-
EP6-09	1/3/06	E624	0 of 30	-	-	-	-
EP6-09	1/03/06 DUP	E624	0 of 30	-	-	-	-
EP6-09	5/8/06	E624	0 of 30	-	-	-	-
EP6-09	7/19/06	E624	0 of 30	-	-	-	-
EP6-09	10/30/06	E624	0 of 30	-	-	-	-
W-PIT6-1819	1/20/06	E601	0 of 18	-	-	-	-
W-PIT6-1819	4/20/06	E601	0 of 18	-	-	-	-
W-PIT6-1819	7/12/06	E601	0 of 18	-	-	-	-
W-PIT6-1819	7/12/06 DUP	E601	0 of 18	-	-	-	-
W-PIT6-1819	10/10/06	E601	0 of 18	-	-	-	-
K6-01	2/1/06	E601	0 of 18	-	-	-	-
K6-01	7/24/06	E601	0 of 18	-	-	-	-
K6-01S	1/3/06	E624	1 of 30	2.5	-	-	-
K6-01S	5/8/06	E624	1 of 30	2.4	-	-	-
K6-01S	7/19/06	E624	1 of 30	2.2	-	-	-
K6-01S	7/19/06 DUP	E624	1 of 30	2.3	-	-	-
K6-01S	10/30/06	E624	1 of 30	1.7	-	-	-
K6-03	1/31/06	E601	0 of 18	-	-	-	-
K6-03	7/17/06	E601	0 of 18	-	-	-	-
K6-04	2/1/06	E601	0 of 18	-	-	-	-
K6-04	8/2/06	E601	0 of 18	-	-	-	-
K6-14	1/24/06	E601	0 of 18	-	-	-	-
K6-14	8/2/06	E601	0 of 18	-	-	-	-
K6-16	1/24/06	E601	0 of 18	-	-	-	-
K6-16	1/24/06 DUP	E601	0 of 18	-	-	-	-
K6-16	7/24/06	E601	0 of 18	-	-	-	-
K6-17	1/24/06	E601	0 of 18	-	-	-	-
K6-17	1/24/06 DUP	E601	0 of 18	-	-	-	-

Table B-12 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloroethane (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)
K6-17	4/24/06	E601	0 of 18	-	-	-	-
K6-17	7/13/06	E601	0 of 18	-	-	-	-
K6-17	10/10/06	E601	0 of 18	-	-	-	-
K6-17	10/10/06 DUP	E601	0 of 18	-	-	-	-
K6-18	1/31/06	E601	0 of 18	-	-	-	-
K6-18	1/31/06 DUP	E601	0 of 18	-	-	-	-
K6-18	8/2/06	E601	0 of 18	-	-	-	-
K6-18	8/02/06 DUP	E601	0 of 18	-	-	-	-
K6-19	1/20/06	E624	0 of 30	-	-	-	-
K6-19	5/3/06	E624	0 of 30	-	-	-	-
K6-19	5/03/06 DUP	E624	0 of 30	-	-	-	-
K6-19	7/18/06	E624	0 of 30	-	-	-	-
K6-19	10/25/06	E624	0 of 30	-	-	-	-
K6-22	1/24/06	E601	0 of 18	-	-	-	-
K6-22	4/24/06	E601	0 of 18	-	-	-	-
K6-22	7/13/06	E601	0 of 18	-	-	-	-
K6-22	10/10/06	E601	0 of 18	-	-	-	-
K6-23	2/6/06	E601	0 of 18	-	-	-	-
K6-23	8/3/06	E601	0 of 18	-	-	-	-
K6-24	1/30/06	E601	0 of 18	-	-	-	-
K6-24	8/2/06	E601	0 of 18	-	-	-	-
K6-25	1/24/06	E601	0 of 18	-	-	-	-
K6-25	7/24/06	E601	0 of 18	-	-	-	-
K6-26	1/31/06	E601	0 of 18	-	-	-	-
K6-26	8/2/06	E601	0 of 18	-	-	-	-
K6-27	1/30/06	E601	0 of 18	-	-	-	-
K6-27	8/2/06	E601	0 of 18	-	-	-	-
K6-32	2/1/06	E601	0 of 18	-	-	-	-
K6-32	8/3/06	E601	0 of 18	-	-	-	-
K6-33	2/6/06	E601	0 of 18	-	-	-	-
K6-33	8/3/06	E601	0 of 18	-	-	-	-
K6-34	1/20/06	E601	0 of 18	-	-	-	-
K6-34	4/20/06	E601	0 of 18	-	-	-	-
K6-34	7/12/06	E601	0 of 18	-	-	-	-
K6-34	10/10/06	E601	0 of 18	-	-	-	-
K6-35	1/31/06	E601	0 of 18	-	-	-	-
K6-35	8/2/06	E601	0 of 18	-	-	-	-
K6-36	1/20/06	E624	0 of 30	-	-	-	-

Table B-12 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloroethane (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)
K6-36	4/26/06	E624	0 of 30	-	-	-	-
K6-36	8/7/06	E624	0 of 30	-	-	-	-
W-33C-01	2/6/06	E601	0 of 18	-	-	-	-
W-33C-01	7/13/06	E601	0 of 18	-	-	-	-
W-34-01	2/7/06	E601	0 of 18	-	-	-	-
W-34-02	2/7/06	E601	0 of 18	-	-	-	-
SPRING8	10/11/06	E601	0 of 18	-	-	-	-

Table B-13. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
CARNRW1	1/10/06	<0.5	<4
CARNRW1	01/10/06 DUP	<0.1	<4
CARNRW1	2/7/06	<0.5	<4
CARNRW1	02/07/06 DUP	<0.1	<4
CARNRW1	3/13/06	<0.5	<4
CARNRW1	03/13/06 DUP	<0.1	<4
CARNRW1	4/3/06	<0.5	<4
CARNRW1	04/03/06 DUP	<0.1	<4
CARNRW1	5/1/06	<0.5	<4
CARNRW1	05/01/06 DUP	0.44	<4
CARNRW1	6/1/06	0.65	<4
CARNRW1	06/01/06 DUP	0.73	<4
CARNRW1	7/3/06	<0.5	<4
CARNRW1	07/03/06 DUP	<0.1	<4
CARNRW1	8/1/06	<0.5	<4
CARNRW1	08/01/06 DUP	<0.1	<4
CARNRW1	9/5/06	<0.5	<4
CARNRW1	09/05/06 DUP	0.59	<4
CARNRW1	10/2/06	<0.5	<4
CARNRW1	10/02/06 DUP	<0.1	<4
CARNRW1	10/31/06	<0.5	<4
CARNRW1	10/31/06 DUP	<0.1	<4
CARNRW1	12/4/06	<0.5	<4
CARNRW1	12/04/06 DUP	<0.1	<4
CARNRW2	1/11/06	<0.5	<4
CARNRW2	01/11/06 DUP	<0.1	<4
CARNRW2	2/7/06	<0.5	<4
CARNRW2	02/07/06 DUP	<0.1	<4
CARNRW2	3/13/06	<0.5	<4
CARNRW2	03/13/06 DUP	<0.1	<4
CARNRW2	4/3/06	<0.5	<4
CARNRW2	04/03/06 DUP	<0.1	<4
CARNRW2	5/1/06	<0.5	<4
CARNRW2	05/01/06 DUP	<0.1	<4
CARNRW2	6/1/06	<0.5	<4
CARNRW2	06/01/06 DUP	<0.1	<4
CARNRW2	7/3/06	<0.5	<4
CARNRW2	07/03/06 DUP	<0.1	<4
CARNRW2	8/1/06	<0.5	<4
CARNRW2	08/01/06 DUP	<0.1	<4
CARNRW2	9/5/06	<0.5	<4
CARNRW2	09/05/06 DUP	<0.1	<4
CARNRW2	10/2/06	<0.5	<4
CARNRW2	10/02/06 DUP	<0.1	<4
CARNRW2	10/31/06	<0.5	<4

Table B-13. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
CARNRW2	10/31/06 DUP	<0.1	<4
CARNRW2	12/4/06	<0.5	<4
CARNRW2	12/04/06 DUP	<0.1	<4
CARNRW3	1/11/06	<0.5	<4
CARNRW3	01/11/06 DUP	<0.1	<4
CARNRW3	2/7/06	<0.5	<4
CARNRW3	02/07/06 DUP	<0.1	<4
CARNRW3	3/13/06	<0.5	<4
CARNRW3	03/13/06 DUP	<0.1	<4
CARNRW3	4/3/06	<0.5	<4
CARNRW3	04/03/06 DUP	<0.1	<4
CARNRW3	5/1/06	<0.5	<4
CARNRW3	05/01/06 DUP	<0.1	<4
CARNRW3	6/1/06	<0.5	<4
CARNRW3	06/01/06 DUP	<0.1	<4
CARNRW3	7/3/06	<0.5	<4
CARNRW3	07/03/06 DUP	<0.1	<4
CARNRW3	8/1/06	<0.5	<4
CARNRW3	08/01/06 DUP	<0.1	<4
CARNRW3	9/5/06	<0.5	<4
CARNRW3	09/05/06 DUP	<0.1	<4
CARNRW3	10/2/06	<0.5	<4
CARNRW3	10/02/06 DUP	<0.1	<4
CARNRW3	10/31/06	<0.5	<4
CARNRW3	10/31/06 DUP	0.37	<4
CARNRW3	12/4/06	<0.5	<4
CARNRW3	12/04/06 DUP	<0.1	<4
CARNRW4	1/11/06	1.9 D	4.2
CARNRW4	01/11/06 DUP	1.7	<4
CARNRW4	2/2/06	7.5	<4
CARNRW4	02/02/06 DUP	6.4 LO	<4
CARNRW4	3/13/06	6.3 D	<4
CARNRW4	03/13/06 DUP	5.2	<4
CARNRW4	4/3/06	7	<4
CARNRW4	04/03/06 DUP	6.7	<4
CARNRW4	5/1/06	6.8	<4
CARNRW4	05/01/06 DUP	5.9	<4
CARNRW4	6/1/06	2.3	<4
CARNRW4	06/01/06 DUP	2.8	<4
CARNRW4	7/3/06	2.5	<4
CARNRW4	07/03/06 DUP	2.1	<4
CARNRW4	8/1/06	<0.5	<4
CARNRW4	08/01/06 DUP	0.3	<4
CARNRW4	9/5/06	<0.5	<4
CARNRW4	09/05/06 DUP	<0.1	<4

Table B-13. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
CARNRW4	10/2/06	<0.5	<4
CARNRW4	10/02/06 DUP	<0.1	<4
CARNRW4	10/31/06	<0.5	<4
CARNRW4	10/31/06 DUP	<0.1	<4
CARNRW4	12/4/06	<0.5	<4
CARNRW4	12/04/06 DUP	<0.1	<4
BC6-10	1/31/06	0.36	<4
EP6-06	1/20/06	<0.5	<4 E
EP6-06	4/26/06	<0.5	<4
EP6-06	8/7/06	<0.5	<4
EP6-06	10/25/06	<0.5	<4
EP6-07	1/31/06	<0.5	<4
EP6-08	1/20/06	<0.5	<4
EP6-08	4/26/06	<0.5 E	<4
EP6-08	7/18/06	<0.5	<4
EP6-08	10/30/06	<0.5	<4
EP6-09	1/3/06	3.4	6.7
EP6-09	01/03/06 DUP	3.4	4.2
EP6-09	5/8/06	3.7	<4 E
EP6-09	7/19/06	3.9	<4 E
EP6-09	10/30/06	5.8	4.6
W-PIT6-1819	1/20/06	<0.5	<4
W-PIT6-1819	7/12/06	<0.5	<4
W-PIT6-1819	07/12/06 DUP	0.71	<4
K6-01	2/1/06	<0.1	<4
K6-01S	1/3/06	<2.5 D	<4
K6-01S	5/8/06	<2.5 D	<4
K6-01S	7/19/06	<1 D	<4
K6-01S	07/19/06 DUP	<1 D	<4
K6-01S	10/30/06	<2.5 D	<4
K6-03	1/31/06	<0.5	<4
K6-04	2/1/06	8	<4
K6-14	1/24/06	<1 D	<4
K6-16	1/24/06	15	<4
K6-16	01/24/06 DUP	16	<4
K6-17	1/24/06	<0.5	<4
K6-17	01/24/06 DUP	<0.1	<4
K6-17	7/13/06	<0.5	<4
K6-18	1/31/06	8.6 D	10
K6-18	01/31/06 DUP	0.7	6
K6-19	1/20/06	<0.5	<4 E
K6-19	5/3/06	<0.5	<4
K6-19	05/03/06 DUP	<0.5	<4
K6-19	7/18/06	<0.5	<4
K6-19	10/25/06	<0.5	<4

Table B-13. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K6-22	1/24/06	<1 D	<4
K6-22	7/13/06	<1 D	<4
K6-23	2/6/06	200 D	<4
K6-24	1/30/06	0.68	<4
K6-25	1/24/06	<0.1	<4
K6-26	1/31/06	<0.5	<4
K6-27	1/30/06	<0.1	<4
K6-32	2/1/06	<0.5	<4
K6-33	2/6/06	0.98	<4
K6-34	1/20/06	<0.5	<4
K6-34	7/12/06	<0.5	<4
K6-35	1/31/06	<0.1	<4
K6-36	1/20/06	<0.5	<4 E
K6-36	4/26/06	<0.5	<4 E
K6-36	8/7/06	<0.5 E	<4 E
W-33C-01	2/6/06	2.3 D	<4
W-34-01	2/7/06	<0.5	<4
W-34-02	2/7/06	<0.5	<4
SPRING8	10/11/06	-	<4

Table B-14. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
CARNRW1	1/10/06	<100
CARNRW1	01/10/06 DUP	<200
CARNRW1	2/7/06	<100
CARNRW1	02/07/06 DUP	<200
CARNRW1	3/13/06	<100
CARNRW1	03/13/06 DUP	<200
CARNRW1	4/3/06	<100
CARNRW1	04/03/06 DUP	<200
CARNRW1	5/1/06	<100
CARNRW1	05/01/06 DUP	<200
CARNRW1	6/1/06	<100
CARNRW1	06/01/06 DUP	<200
CARNRW1	7/3/06	<100
CARNRW1	07/03/06 DUP	<200
CARNRW1	8/1/06	<100
CARNRW1	08/01/06 DUP	<200
CARNRW1	9/5/06	<100
CARNRW1	09/05/06 DUP	<200
CARNRW1	10/2/06	<100
CARNRW1	10/02/06 DUP	<200
CARNRW1	10/31/06	<100
CARNRW1	10/31/06 DUP	<200
CARNRW1	12/4/06	<100
CARNRW1	12/04/06 DUP	<200
CARNRW2	1/11/06	<100
CARNRW2	01/11/06 DUP	<200
CARNRW2	2/7/06	<100
CARNRW2	02/07/06 DUP	<200
CARNRW2	3/13/06	<100
CARNRW2	03/13/06 DUP	<200
CARNRW2	4/3/06	117 ± 56.0
CARNRW2	04/03/06 DUP	<200
CARNRW2	5/1/06	<100
CARNRW2	05/01/06 DUP	<200
CARNRW2	6/1/06	<100
CARNRW2	06/01/06 DUP	<200
CARNRW2	7/3/06	<100
CARNRW2	07/03/06 DUP	<200
CARNRW2	8/1/06	<100
CARNRW2	08/01/06 DUP	<200
CARNRW2	9/5/06	<100
CARNRW2	09/05/06 DUP	<200
CARNRW2	10/2/06	<100
CARNRW2	10/02/06 DUP	<200
CARNRW2	10/31/06	<100
CARNRW2	10/31/06 DUP	<200

Table B-14. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
CARNRW2	12/4/06	<100
CARNRW2	12/04/06 DUP	<200
CARNRW3	1/11/06	<100
CARNRW3	01/11/06 DUP	<200
CARNRW3	2/7/06	<100
CARNRW3	02/07/06 DUP	<200
CARNRW3	3/13/06	<100
CARNRW3	03/13/06 DUP	<200
CARNRW3	4/3/06	<100
CARNRW3	04/03/06 DUP	<200
CARNRW3	5/1/06	<100
CARNRW3	05/01/06 DUP	<200
CARNRW3	6/1/06	<100
CARNRW3	06/01/06 DUP	<200
CARNRW3	7/3/06	<100
CARNRW3	07/03/06 DUP	<200
CARNRW3	8/1/06	<100
CARNRW3	08/01/06 DUP	<200
CARNRW3	9/5/06	<100
CARNRW3	09/05/06 DUP	<200
CARNRW3	10/2/06	<100
CARNRW3	10/02/06 DUP	<200
CARNRW3	10/31/06	<100
CARNRW3	10/31/06 DUP	<200
CARNRW3	12/4/06	<100
CARNRW3	12/04/06 DUP	<200
CARNRW4	1/11/06	<100
CARNRW4	01/11/06 DUP	<200
CARNRW4	2/2/06	<100
CARNRW4	02/02/06 DUP	<200
CARNRW4	3/13/06	<100
CARNRW4	03/13/06 DUP	<200
CARNRW4	4/3/06	<100
CARNRW4	04/03/06 DUP	<200
CARNRW4	5/1/06	<100
CARNRW4	05/01/06 DUP	<200
CARNRW4	6/1/06	<100
CARNRW4	06/01/06 DUP	<200
CARNRW4	7/3/06	<100
CARNRW4	07/03/06 DUP	<200
CARNRW4	8/1/06	<100
CARNRW4	08/01/06 DUP	<200
CARNRW4	9/5/06	<100
CARNRW4	09/05/06 DUP	<200
CARNRW4	10/2/06	<100
CARNRW4	10/02/06 DUP	<200

Table B-14. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
CARNRW4	10/31/06	<100
CARNRW4	10/31/06 DUP	<200
CARNRW4	12/4/06	<100
CARNRW4	12/04/06 DUP	<200
BC6-10	1/31/06	<100
BC6-10	8/2/06	<100
EP6-06	1/20/06	<100
EP6-06	4/26/06	<100
EP6-06	8/7/06	<100
EP6-06	10/25/06	<100
EP6-07	1/31/06	<100
EP6-07	7/17/06	<100
EP6-08	1/20/06	<100
EP6-08	4/26/06	<100
EP6-08	7/18/06	<100
EP6-08	10/30/06	<100
EP6-09	1/3/06	795 ± 110 S
EP6-09	01/03/06 DUP	<100
EP6-09	3/20/06	<100
EP6-09	3/23/06	<100
EP6-09	5/8/06	<100
EP6-09	7/19/06	<100
EP6-09	10/30/06	<100
W-PIT6-1819	1/20/06	137 ± 43.0
W-PIT6-1819	4/20/06	<100
W-PIT6-1819	7/12/06	<100
W-PIT6-1819	07/12/06 DUP	241 ± 131
W-PIT6-1819	10/10/06	128 ± 61.0
K6-01	2/1/06	<100
K6-01	7/24/06	124 ± 59.0
K6-01S	1/3/06	152 ± 63.0
K6-01S	5/8/06	104 ± 62.0
K6-01S	7/19/06	235 ± 64.0
K6-01S	07/19/06 DUP	244 ± 63.0
K6-01S	10/30/06	128 ± 56.0
K6-03	1/31/06	<100
K6-03	7/17/06	<100
K6-04	2/1/06	<100
K6-04	8/2/06	<100
K6-14	1/24/06	<100
K6-14	8/2/06	<100
K6-16	1/24/06	<100
K6-16	7/24/06	<100
K6-17	1/24/06	<100
K6-17	01/24/06 DUP	<200
K6-17	01/24/06 DUP	160 ± 56.0

Table B-14. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
K6-17	4/24/06	<100
K6-17	7/13/06	<100
K6-17	10/10/06	<100
K6-17	10/10/06 DUP	<200
K6-18	1/31/06	341 ± 72.0
K6-18	01/31/06 DUP	239 ± 141
K6-18	8/2/06	193 ± 62.0
K6-18	08/02/06 DUP	238 ± 65.0
K6-19	1/20/06	332 ± 72.0
K6-19	5/3/06	329 ± 69.0
K6-19	05/03/06 DUP	299 ± 67.0
K6-19	7/18/06	244 ± 68.0
K6-19	10/25/06	224 ± 63.0
K6-22	1/24/06	<100
K6-22	4/24/06	<100
K6-22	7/13/06	<100
K6-22	10/10/06	<100
K6-23	2/6/06	<100
K6-23	8/3/06	<100
K6-24	1/30/06	406 ± 76.0
K6-24	8/2/06	362 ± 72.0
K6-25	1/24/06	<100
K6-25	7/24/06	<100
K6-26	1/31/06	<100
K6-26	8/2/06	<100
K6-27	1/30/06	<100
K6-27	8/2/06	<100
K6-32	2/1/06	<100
K6-32	8/3/06	<100
K6-33	2/6/06	381 ± 67.0
K6-33	8/3/06	346 ± 71.0
K6-34	1/20/06	<100
K6-34	4/20/06	<100
K6-34	7/12/06	<100
K6-34	10/10/06	<100
K6-35	1/31/06	<100
K6-35	8/2/06	<100
K6-36	1/20/06	1300 ± 160
K6-36	4/26/06	1110 ± 140
K6-36	8/7/06	1200 ± 150
W-33C-01	2/6/06	<100
W-33C-01	7/13/06	<100
W-34-01	2/7/06	<100
W-34-02	2/7/06	<100
SPRING8	10/11/06	<100

Table B-15. Pit 6 Landfill OU metals in surface water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
SPRING8	10/11/06	0.053	0.18	<0.0002	<0.001	<0.001	<0.005	<0.0002	0.0039	<0.001

Table B-16. Pit 6 Landfill OU high explosives in surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
SPRING8	10/11/06	<1	<1

Table B-17. High Explosives Process Area OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-815-2110	1/25/06	E601	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2110	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2110	9/20/06	E601	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2110	12/5/06	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2110	12/05/06 DUP	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2111	1/25/06	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2111	4/19/06	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2111	9/20/06	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2111	12/19/06	E601	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	1/12/06	E502.2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	1/12/06	E601	0.62 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	01/12/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
GALLO1	01/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	2/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	02/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	3/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	03/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	4/12/06	E502.2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	4/12/06	E601	0.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	04/12/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
GALLO1	04/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	5/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	05/17/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	6/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	06/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	7/11/06	E502.2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
GALLO1	7/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	07/11/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	07/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	8/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	08/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	9/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	09/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/11/06	E502.2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/11/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	10/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	11/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	11/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	12/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	1/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	9/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	1/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	9/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	1/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	9/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	1/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	7/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	1/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	7/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-01	1/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-01	8/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-02	3/1/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-02	8/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-04	1/19/06	E601	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-04	4/11/06	E601	9.7 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-17. High Explosives Process Area OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-35C-04	7/19/06	E601	13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-05	1/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-05	8/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-06	1/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-06	8/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	1/10/06	E601	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	01/10/06 DUP	E601	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	8/8/06	E601	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	08/08/06 DUP	E601	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-08	1/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-08	8/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	3/3/06	E601	5.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	03/03/06 DUP	E601	5.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	8/22/06	E601	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	08/22/06 DUP	E601	6.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4AS	3/3/06	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4AS	03/03/06 DUP	E601	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4AS	8/22/06	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4B	3/3/06	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4B	8/21/06	E601	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	3/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	5/10/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	8/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	12/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BD	1/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BD	8/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BS	1/25/06	E601	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BS	8/22/06	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CD	2/28/06	E601	0.8 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CD	8/14/06	E601	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CI	2/28/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CI	8/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CS	2/28/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CS	8/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6EI	1/10/06	E601	4.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6EI	8/10/06	E601	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	1/19/06	E601	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	4/11/06	E601	8.7 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	7/19/06	E601	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ES	1/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ES	8/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6F	2/28/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6F	8/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6G	3/1/06	E601	9.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6G	03/01/06 DUP	E601	9.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6G	8/14/06	E601	6.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	12/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6I	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6I	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	4/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	12/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6K	3/7/06	E601	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6K	8/10/06	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6L	3/22/06	E601	25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6L	8/10/06	E601	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6L	08/10/06 DUP	E601	13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-01	2/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-01	7/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-03	2/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-03	7/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-01	1/20/06	E601	2.3	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-01	7/20/06	E601	2.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	2.1 JL	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-17. High Explosives Process Area OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-809-01	07/20/06 DUP	E601	2.7	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	1.9	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-04	1/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-04	7/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-810-01	2/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-810-01	8/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-01	3/2/06	E601	1.9	<0.5	1.3	<0.5	0.6	0.7	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-01	9/13/06	E601	1.3	<0.5	1	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-02	3/21/06	E601	9.4	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-02	9/12/06	E601	6.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-04	3/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-04	8/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-04	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-2138	9/19/06	E601	5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-02	1/12/06	E601	7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-02	7/19/06	E601	7.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-04	1/12/06	E601	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.74	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-04	7/19/06	E601	4.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-05	1/20/06	E601	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-05	7/20/06	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-06	3/21/06	E601	13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-06	9/20/06	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-06	09/20/06 DUP	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-07	3/15/06	E601	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-07	9/25/06	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	1/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	4/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	7/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	10/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2217	5/8/06	E624	0.78	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-815-2217	9/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-2217	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	1/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	2/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	4/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	04/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	10/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-02	2/6/06	E601	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03	1/11/06	E601	9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03	7/19/06	E601	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03A	2/6/06	E601	57 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03A	7/20/06	E601	43	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-04	1/11/06	E601	7.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-04	7/19/06	E601	6.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-04	12/6/06	E601	8.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-05	2/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-05	8/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-07	1/20/06	E601	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-07	7/20/06	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 JL	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-01	3/23/06	E601	15	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-01	8/31/06	E601	16	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-01	08/31/06 DUP	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-03	3/21/06	E601	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-03	9/12/06	E601	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-04	3/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-04	8/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-04	12/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-04	12/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	3/1/06	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	8/22/06	E601	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	12/5/06	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	12/05/06 DUP	E601	26	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-07	3/1/06	E601	21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-07	8/22/06	E601	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-08	2/8/06	E601	47	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-08	4/5/06	E601	41	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-08	7/6/06	E601	43	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-17. High Explosives Process Area OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-818-08	8/28/06	E601	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	2/8/06	E601	22	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	4/5/06	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	7/6/06	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	8/28/06	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-11	3/27/06	E601	40	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-11	8/31/06	E601	43	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5
W-819-02	3/2/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-819-02	9/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-01	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-01	8/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-02	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-02	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-03	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-03	7/19/06	E601	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-13	1/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-13	7/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	3/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	5/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	12/15/06	E601	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5 O
W-829-06	1/11/06	E601	26 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	4/4/06	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	04/04/06 DUP	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	7/12/06	E601	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
W-829-15	4/6/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	1/12/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	01/12/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	4/20/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	7/13/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	07/13/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	10/12/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1938	10/12/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-829-1940	3/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-1940	8/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-22	4/19/06	E624	<0.5	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1	<1	<1
W-829-22	04/19/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
WELL18	1/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	01/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	01/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	2/15/06	E601	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	02/15/06 DUP	E601	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	02/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	3/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	03/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	4/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	04/12/06 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	5/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	05/17/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	6/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	06/14/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	7/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	07/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	8/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	08/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	9/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	09/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	10/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	11/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	11/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	12/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	1/11/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	1/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	01/11/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	01/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	2/15/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-17. High Explosives Process Area OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
WELL20	2/15/06	E601	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	02/15/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	02/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	3/15/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	3/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	03/15/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	03/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	4/12/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	4/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	04/12/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	04/12/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	5/17/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	5/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	05/17/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	05/17/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	6/14/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	6/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	06/14/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	06/14/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	7/11/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
WELL20	7/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	07/11/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	07/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	8/15/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	8/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	08/15/06 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	08/15/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	9/13/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	9/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	09/13/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	09/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	10/11/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	10/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	10/11/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	10/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/9/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/09/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	11/09/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	12/13/06	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	12/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	12/13/06 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	12/13/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
W-815-2110	1/25/06	E601	0 of 18	-	-	-	-
W-815-2110	4/19/06	E601	0 of 18	-	-	-	-
W-815-2110	9/20/06	E601	0 of 18	-	-	-	-
W-815-2110	12/5/06	E601	0 of 18	-	-	-	-
W-815-2110	12/05/06 DUP	E601	0 of 18	-	-	-	-
W-815-2111	1/25/06	E601	0 of 18	-	-	-	-
W-815-2111	4/19/06	E601	0 of 18	-	-	-	-
W-815-2111	9/20/06	E601	0 of 18	-	-	-	-
W-815-2111	12/19/06	E601	0 of 18	-	-	-	-
GALLO1	1/12/06	E502.2	0 of 46	-	-	-	-
GALLO1	1/12/06	E601	0 of 19	-	-	-	-
GALLO1	01/12/06 DUP	E502.2	0 of 45	-	-	-	-
GALLO1	01/12/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	2/13/06	E601	0 of 18	-	-	-	-
GALLO1	02/13/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	3/15/06	E601	0 of 18	-	-	-	-
GALLO1	03/15/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	4/12/06	E502.2	0 of 46	-	-	-	-
GALLO1	4/12/06	E601	0 of 18	-	-	-	-
GALLO1	04/12/06 DUP	E502.2	0 of 45	-	-	-	-
GALLO1	04/12/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	5/17/06	E601	0 of 18	-	-	-	-
GALLO1	05/17/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	6/15/06	E601	0 of 18	-	-	-	-
GALLO1	06/15/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	7/11/06	E502.2	0 of 46	-	-	-	-
GALLO1	7/11/06	E601	0 of 18	-	-	-	-
GALLO1	07/11/06 DUP	E502.2	0 of 45	-	-	-	-
GALLO1	07/11/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	8/15/06	E601	0 of 18	-	-	-	-
GALLO1	08/15/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	9/13/06	E601	0 of 18	-	-	-	-
GALLO1	09/13/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	10/11/06	E502.2	0 of 46	-	-	-	-
GALLO1	10/11/06	E601	0 of 18	-	-	-	-
GALLO1	10/11/06 DUP	E502.2	0 of 45	-	-	-	-
GALLO1	10/11/06 DUP	E601	0 of 18	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
GALLO1	11/9/06	E601	0 of 18	-	-	-	-
GALLO1	11/09/06 DUP	E601	0 of 18	-	-	-	-
GALLO1	12/13/06	E601	0 of 18	-	-	-	-
GALLO1	12/13/06 DUP	E601	0 of 18	-	-	-	-
W-35B-01	1/4/06	E601	0 of 18	-	-	-	-
W-35B-01	4/19/06	E601	0 of 18	-	-	-	-
W-35B-01	9/20/06	E601	0 of 18	-	-	-	-
W-35B-01	10/11/06	E601	0 of 18	-	-	-	-
W-35B-02	1/4/06	E601	0 of 18	-	-	-	-
W-35B-02	4/19/06	E601	0 of 18	-	-	-	-
W-35B-02	9/20/06	E601	0 of 18	-	-	-	-
W-35B-02	10/11/06	E601	0 of 18	-	-	-	-
W-35B-03	1/4/06	E601	0 of 18	-	-	-	-
W-35B-03	4/19/06	E601	0 of 18	-	-	-	-
W-35B-03	9/20/06	E601	0 of 18	-	-	-	-
W-35B-03	10/11/06	E601	0 of 18	-	-	-	-
W-35B-04	1/4/06	E601	0 of 18	-	-	-	-
W-35B-04	4/19/06	E601	0 of 18	-	-	-	-
W-35B-04	7/10/06	E601	0 of 18	-	-	-	-
W-35B-04	10/2/06	E601	0 of 18	-	-	-	-
W-35B-05	1/4/06	E601	0 of 18	-	-	-	-
W-35B-05	4/19/06	E601	0 of 18	-	-	-	-
W-35B-05	7/10/06	E601	0 of 18	-	-	-	-
W-35B-05	10/2/06	E601	0 of 18	-	-	-	-
W-35C-01	1/25/06	E601	0 of 18	-	-	-	-
W-35C-01	8/21/06	E601	0 of 18	-	-	-	-
W-35C-02	3/1/06	E601	0 of 18	-	-	-	-
W-35C-02	8/22/06	E601	0 of 18	-	-	-	-
W-35C-04	1/19/06	E601	0 of 18	-	-	-	-
W-35C-04	4/11/06	E601	0 of 18	-	-	-	-
W-35C-04	7/19/06	E601	0 of 18	-	-	-	-
W-35C-05	1/10/06	E601	0 of 18	-	-	-	-
W-35C-05	8/8/06	E601	0 of 18	-	-	-	-
W-35C-06	1/10/06	E601	0 of 18	-	-	-	-
W-35C-06	8/8/06	E601	0 of 18	-	-	-	-
W-35C-07	1/10/06	E601	0 of 18	-	-	-	-
W-35C-07	01/10/06 DUP	E601	0 of 18	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
W-35C-07	8/8/06	E601	1 of 18	-	-	-	1.6
W-35C-07	08/08/06 DUP	E601	1 of 18	-	-	-	1.7
W-35C-08	1/10/06	E601	0 of 18	-	-	-	-
W-35C-08	8/8/06	E601	0 of 18	-	-	-	-
W-4A	3/3/06	E601	0 of 18	-	-	-	-
W-4A	03/03/06 DUP	E601	0 of 18	-	-	-	-
W-4A	8/22/06	E601	2 of 18	-	0.8	2.1	-
W-4A	08/22/06 DUP	E601	0 of 18	-	-	-	-
W-4AS	3/3/06	E601	0 of 18	-	-	-	-
W-4AS	03/03/06 DUP	E601	0 of 18	-	-	-	-
W-4AS	8/22/06	E601	0 of 18	-	-	-	-
W-4B	3/3/06	E601	0 of 18	-	-	-	-
W-4B	8/21/06	E601	0 of 18	-	-	-	-
W-4C	3/3/06	E601	0 of 18	-	-	-	-
W-4C	5/10/06	E601	0 of 18	-	-	-	-
W-4C	8/21/06	E601	0 of 18	-	-	-	-
W-4C	12/14/06	E601	0 of 18	-	-	-	-
W-6BD	1/25/06	E601	0 of 18	-	-	-	-
W-6BD	8/22/06	E601	0 of 18	-	-	-	-
W-6BS	1/25/06	E601	0 of 18	-	-	-	-
W-6BS	8/22/06	E601	0 of 18	-	-	-	-
W-6CD	2/28/06	E601	0 of 18	-	-	-	-
W-6CD	8/14/06	E601	0 of 18	-	-	-	-
W-6CI	2/28/06	E601	0 of 18	-	-	-	-
W-6CI	8/14/06	E601	0 of 18	-	-	-	-
W-6CS	2/28/06	E601	0 of 18	-	-	-	-
W-6CS	8/14/06	E601	0 of 18	-	-	-	-
W-6EI	1/10/06	E601	0 of 18	-	-	-	-
W-6EI	8/10/06	E601	0 of 18	-	-	-	-
W-6ER	1/19/06	E601	0 of 18	-	-	-	-
W-6ER	4/11/06	E601	0 of 18	-	-	-	-
W-6ER	7/19/06	E601	0 of 18	-	-	-	-
W-6ES	1/10/06	E601	0 of 18	-	-	-	-
W-6ES	8/10/06	E601	0 of 18	-	-	-	-
W-6F	2/28/06	E601	0 of 18	-	-	-	-
W-6F	8/14/06	E601	0 of 18	-	-	-	-
W-6G	3/1/06	E601	0 of 18	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
W-6G	03/01/06 DUP	E601	0 of 18	-	-	-	-
W-6G	8/14/06	E601	0 of 18	-	-	-	-
W-6H	1/12/06	E601	0 of 18	-	-	-	-
W-6H	4/19/06	E601	0 of 18	-	-	-	-
W-6H	7/19/06	E601	0 of 18	-	-	-	-
W-6H	12/5/06	E601	0 of 18	-	-	-	-
W-6I	1/12/06	E601	0 of 18	-	-	-	-
W-6I	7/19/06	E601	0 of 18	-	-	-	-
W-6J	1/12/06	E601	0 of 18	-	-	-	-
W-6J	4/19/06	E601	0 of 18	-	-	-	-
W-6J	7/19/06	E601	0 of 18	-	-	-	-
W-6J	12/5/06	E601	0 of 18	-	-	-	-
W-6K	3/7/06	E601	0 of 18	-	-	-	-
W-6K	8/10/06	E601	0 of 18	-	-	-	-
W-6L	3/22/06	E601	0 of 18	-	-	-	-
W-6L	8/10/06	E601	0 of 18	-	-	-	-
W-6L	08/10/06 DUP	E601	0 of 18	-	-	-	-
W-808-01	2/10/06	E601	0 of 18	-	-	-	-
W-808-01	7/20/06	E601	0 of 18	-	-	-	-
W-808-03	2/8/06	E601	0 of 18	-	-	-	-
W-808-03	7/20/06	E601	0 of 18	-	-	-	-
W-809-01	1/20/06	E601	0 of 18	-	-	-	-
W-809-01	7/20/06	E601	0 of 18	-	-	-	-
W-809-01	07/20/06 DUP	E601	0 of 18	-	-	-	-
W-809-04	1/20/06	E601	0 of 18	-	-	-	-
W-809-04	7/20/06	E601	0 of 18	-	-	-	-
W-810-01	2/10/06	E601	0 of 18	-	-	-	-
W-810-01	8/14/06	E601	0 of 18	-	-	-	-
W-814-01	3/2/06	E601	1 of 18	1.3	-	-	-
W-814-01	9/13/06	E601	0 of 18	-	-	-	-
W-814-02	3/21/06	E601	0 of 18	-	-	-	-
W-814-02	9/12/06	E601	0 of 18	-	-	-	-
W-814-04	3/2/06	E601	0 of 18	-	-	-	-
W-814-04	8/21/06	E601	0 of 18	-	-	-	-
W-814-04	12/13/06	E601	0 of 18	-	-	-	-
W-814-2138	9/19/06	E601	0 of 18	-	-	-	-
W-815-02	1/12/06	E601	0 of 19	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
W-815-02	7/19/06	E601	0 of 18	-	-	-	-
W-815-04	1/12/06	E601	0 of 19	-	-	-	-
W-815-04	7/19/06	E601	0 of 18	-	-	-	-
W-815-05	1/20/06	E601	0 of 18	-	-	-	-
W-815-05	7/20/06	E601	0 of 18	-	-	-	-
W-815-06	3/21/06	E601	0 of 18	-	-	-	-
W-815-06	9/20/06	E601	0 of 18	-	-	-	-
W-815-06	09/20/06 DUP	E601	0 of 18	-	-	-	-
W-815-07	3/15/06	E601	0 of 18	-	-	-	-
W-815-07	9/25/06	E601	0 of 18	-	-	-	-
W-815-08	1/20/06	E601	0 of 18	-	-	-	-
W-815-08	4/20/06	E601	0 of 18	-	-	-	-
W-815-08	7/10/06	E601	0 of 18	-	-	-	-
W-815-08	10/2/06	E601	0 of 18	-	-	-	-
W-815-2217	5/8/06	E624	0 of 30	-	-	-	-
W-815-2217	9/25/06	E601	0 of 18	-	-	-	-
W-815-2217	12/13/06	E601	0 of 18	-	-	-	-
W-817-01	1/10/06	E601	0 of 19	-	-	-	-
W-817-01	2/6/06	E601	0 of 18	-	-	-	-
W-817-01	4/5/06	E601	0 of 18	-	-	-	-
W-817-01	04/05/06 DUP	E601	0 of 18	-	-	-	-
W-817-01	7/6/06	E601	0 of 18	-	-	-	-
W-817-01	10/4/06	E601	0 of 18	-	-	-	-
W-817-02	2/6/06	E601	0 of 18	-	-	-	-
W-817-03	1/11/06	E601	0 of 19	-	-	-	-
W-817-03	7/19/06	E601	0 of 18	-	-	-	-
W-817-03A	2/6/06	E601	0 of 18	-	-	-	-
W-817-03A	7/20/06	E601	0 of 18	-	-	-	-
W-817-04	1/11/06	E601	0 of 19	-	-	-	-
W-817-04	7/19/06	E601	0 of 18	-	-	-	-
W-817-04	12/6/06	E601	0 of 18	-	-	-	-
W-817-05	2/10/06	E601	0 of 18	-	-	-	-
W-817-05	8/14/06	E601	0 of 18	-	-	-	-
W-817-07	1/20/06	E601	0 of 18	-	-	-	-
W-817-07	7/20/06	E601	0 of 18	-	-	-	-
W-818-01	3/23/06	E601	0 of 18	-	-	-	-
W-818-01	8/31/06	E601	0 of 18	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
W-818-01	08/31/06 DUP	E601	0 of 18	-	-	-	-
W-818-03	3/21/06	E601	0 of 18	-	-	-	-
W-818-03	9/12/06	E601	0 of 18	-	-	-	-
W-818-04	3/21/06	E601	0 of 18	-	-	-	-
W-818-04	8/22/06	E601	0 of 18	-	-	-	-
W-818-04	12/5/06	E601	0 of 18	-	-	-	-
W-818-04	12/05/06 DUP	E601	0 of 18	-	-	-	-
W-818-06	3/1/06	E601	0 of 18	-	-	-	-
W-818-06	8/22/06	E601	0 of 18	-	-	-	-
W-818-06	12/5/06	E601	0 of 18	-	-	-	-
W-818-06	12/05/06 DUP	E601	0 of 18	-	-	-	-
W-818-07	3/1/06	E601	0 of 18	-	-	-	-
W-818-07	8/22/06	E601	0 of 18	-	-	-	-
W-818-08	2/8/06	E601	0 of 18	-	-	-	-
W-818-08	4/5/06	E601	0 of 18	-	-	-	-
W-818-08	7/6/06	E601	0 of 18	-	-	-	-
W-818-08	8/28/06	E601	0 of 18	-	-	-	-
W-818-09	2/8/06	E601	0 of 18	-	-	-	-
W-818-09	4/5/06	E601	0 of 18	-	-	-	-
W-818-09	7/6/06	E601	0 of 18	-	-	-	-
W-818-09	8/28/06	E601	0 of 18	-	-	-	-
W-818-11	3/27/06	E601	0 of 18	-	-	-	-
W-818-11	8/31/06	E601	0 of 18	-	-	-	-
W-819-02	3/2/06	E601	0 of 18	-	-	-	-
W-819-02	9/13/06	E601	0 of 18	-	-	-	-
W-823-01	1/12/06	E601	0 of 18	-	-	-	-
W-823-01	8/22/06	E601	0 of 18	-	-	-	-
W-823-02	1/12/06	E601	0 of 18	-	-	-	-
W-823-02	7/19/06	E601	0 of 18	-	-	-	-
W-823-03	1/12/06	E601	0 of 18	-	-	-	-
W-823-03	7/19/06	E601	0 of 18	-	-	-	-
W-823-13	1/12/06	E601	0 of 18	-	-	-	-
W-823-13	7/19/06	E601	0 of 18	-	-	-	-
W-827-05	3/10/06	E601	0 of 18	-	-	-	-
W-827-05	5/10/06	E601	0 of 18	-	-	-	-
W-827-05	12/15/06	E601	0 of 18	-	-	-	-
W-829-06	1/11/06	E601	0 of 19	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
W-829-06	4/4/06	E601	0 of 18	-	-	-	-
W-829-06	04/04/06 DUP	E601	0 of 18	-	-	-	-
W-829-06	7/12/06	E601	0 of 18	-	-	-	-
W-829-15	4/6/06	E624	0 of 30	-	-	-	-
W-829-1938	1/12/06	E624	0 of 30	-	-	-	-
W-829-1938	01/12/06 DUP	E624	0 of 30	-	-	-	-
W-829-1938	4/20/06	E624	0 of 30	-	-	-	-
W-829-1938	7/13/06	E624	0 of 30	-	-	-	-
W-829-1938	07/13/06 DUP	E624	0 of 30	-	-	-	-
W-829-1938	10/12/06	E624	0 of 30	-	-	-	-
W-829-1938	10/12/06 DUP	E624	0 of 30	-	-	-	-
W-829-1940	3/10/06	E601	0 of 18	-	-	-	-
W-829-1940	8/21/06	E601	0 of 18	-	-	-	-
W-829-22	4/19/06	E624	0 of 30	-	-	-	-
W-829-22	04/19/06 DUP	E624	0 of 30	-	-	-	-
WELL18	1/11/06	E601	0 of 19	-	-	-	-
WELL18	01/11/06 DUP	E601	0 of 19	-	-	-	-
WELL18	01/11/06 DUP	E601	0 of 18	-	-	-	-
WELL18	2/15/06	E601	0 of 18	-	-	-	-
WELL18	02/15/06 DUP	E601	0 of 18	-	-	-	-
WELL18	02/15/06 DUP	E601	0 of 18	-	-	-	-
WELL18	3/15/06	E601	0 of 18	-	-	-	-
WELL18	03/15/06 DUP	E601	0 of 18	-	-	-	-
WELL18	4/12/06	E601	0 of 18	-	-	-	-
WELL18	04/12/06 DUP	E601	0 of 18	-	-	-	-
WELL18	5/17/06	E601	0 of 18	-	-	-	-
WELL18	05/17/06 DUP	E601	0 of 18	-	-	-	-
WELL18	6/14/06	E601	0 of 18	-	-	-	-
WELL18	06/14/06 DUP	E601	0 of 18	-	-	-	-
WELL18	7/11/06	E601	0 of 18	-	-	-	-
WELL18	07/11/06 DUP	E601	0 of 18	-	-	-	-
WELL18	8/15/06	E601	0 of 18	-	-	-	-
WELL18	08/15/06 DUP	E601	0 of 18	-	-	-	-
WELL18	9/13/06	E601	0 of 18	-	-	-	-
WELL18	09/13/06 DUP	E601	0 of 18	-	-	-	-
WELL18	10/11/06	E601	0 of 18	-	-	-	-
WELL18	10/11/06 DUP	E601	0 of 18	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
WELL18	11/9/06	E601	0 of 18	-	-	-	-
WELL18	11/09/06 DUP	E601	0 of 18	-	-	-	-
WELL18	12/13/06	E601	0 of 18	-	-	-	-
WELL18	12/13/06 DUP	E601	0 of 18	-	-	-	-
WELL20	1/11/06	E502.2	0 of 46	-	-	-	-
WELL20	1/11/06	E601	0 of 19	-	-	-	-
WELL20	01/11/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	01/11/06 DUP	E601	0 of 18	-	-	-	-
WELL20	2/15/06	E502.2	0 of 46	-	-	-	-
WELL20	2/15/06	E601	0 of 18	-	-	-	-
WELL20	02/15/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	02/15/06 DUP	E601	0 of 18	-	-	-	-
WELL20	3/15/06	E502.2	0 of 46	-	-	-	-
WELL20	3/15/06	E601	0 of 18	-	-	-	-
WELL20	03/15/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	03/15/06 DUP	E601	0 of 18	-	-	-	-
WELL20	4/12/06	E502.2	0 of 46	-	-	-	-
WELL20	4/12/06	E601	0 of 18	-	-	-	-
WELL20	04/12/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	04/12/06 DUP	E601	0 of 18	-	-	-	-
WELL20	5/17/06	E502.2	0 of 46	-	-	-	-
WELL20	5/17/06	E601	0 of 18	-	-	-	-
WELL20	05/17/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	05/17/06 DUP	E601	0 of 18	-	-	-	-
WELL20	6/14/06	E502.2	0 of 46	-	-	-	-
WELL20	6/14/06	E601	0 of 18	-	-	-	-
WELL20	06/14/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	06/14/06 DUP	E601	0 of 18	-	-	-	-
WELL20	7/11/06	E502.2	0 of 46	-	-	-	-
WELL20	7/11/06	E601	0 of 18	-	-	-	-
WELL20	07/11/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	07/11/06 DUP	E601	0 of 18	-	-	-	-
WELL20	8/15/06	E502.2	0 of 46	-	-	-	-
WELL20	8/15/06	E601	0 of 18	-	-	-	-
WELL20	08/15/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	08/15/06 DUP	E601	0 of 18	-	-	-	-
WELL20	9/13/06	E502.2	0 of 46	-	-	-	-

Table B-17 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Chloromethane (µg/L)	Dichlorodifluoromethane (µg/L)	Methylene chloride (µg/L)
WELL20	9/13/06	E601	0 of 18	-	-	-	-
WELL20	09/13/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	09/13/06 DUP	E601	0 of 18	-	-	-	-
WELL20	10/11/06	E502.2	0 of 46	-	-	-	-
WELL20	10/11/06	E601	0 of 18	-	-	-	-
WELL20	10/11/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	10/11/06 DUP	E601	0 of 18	-	-	-	-
WELL20	11/9/06	E502.2	0 of 46	-	-	-	-
WELL20	11/9/06	E601	0 of 18	-	-	-	-
WELL20	11/09/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	11/09/06 DUP	E601	0 of 18	-	-	-	-
WELL20	12/13/06	E502.2	0 of 46	-	-	-	-
WELL20	12/13/06	E601	0 of 18	-	-	-	-
WELL20	12/13/06 DUP	E502.2	0 of 45	-	-	-	-
WELL20	12/13/06 DUP	E601	0 of 18	-	-	-	-

Table B-18. High Explosives Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-815-2110	1/25/06	1.4	<4
W-815-2110	9/20/06	<0.1	<4
W-815-2111	1/25/06	<0.1	<4
W-815-2111	9/20/06	0.26	<4
GALLO1	1/12/06	<0.5	<4
GALLO1	01/12/06 DUP	<0.1	<4
GALLO1	2/13/06	<0.5	<4
GALLO1	02/13/06 DUP	<0.1	<4
GALLO1	3/15/06	<0.5	<4
GALLO1	03/15/06 DUP	<0.1 L	<4
GALLO1	4/12/06	<0.5	<4
GALLO1	04/12/06 DUP	<0.1	<4
GALLO1	5/17/06	<0.5	<4
GALLO1	05/17/06 DUP	<0.1	<4
GALLO1	6/15/06	<0.5	<4
GALLO1	06/15/06 DUP	<0.1	<4
GALLO1	7/11/06	<0.5	<4
GALLO1	07/11/06 DUP	<0.1	<4
GALLO1	8/15/06	<0.5	<4
GALLO1	08/15/06 DUP	<0.1	<4
GALLO1	9/13/06	<0.5	<4
GALLO1	09/13/06 DUP	<0.1	<4
GALLO1	10/11/06	<1 D	<4
GALLO1	10/11/06 DUP	<0.1	<4
GALLO1	11/9/06	<1 DO	<4
GALLO1	11/09/06 DUP	<0.1	<4
GALLO1	12/13/06	<0.5	<4
GALLO1	12/13/06 DUP	<0.1	<4
W-35B-01	1/4/06	<0.1	<4
W-35B-01	9/20/06	<0.1	<4
W-35B-02	1/4/06	18 D	<4
W-35B-02	9/20/06	11 D	<4
W-35B-03	1/4/06	0.89	<4
W-35B-03	9/20/06	2.8	<4
W-35B-04	1/4/06	1.4	<4
W-35B-04	7/10/06	1.8	<4
W-35B-05	1/4/06	1.1	<4
W-35B-05	7/10/06	2.2	<4
W-35C-01	1/25/06	<0.1	<4
W-35C-02	3/1/06	<0.1	<4
W-35C-04	1/19/06	<0.1	<4
W-35C-04	4/11/06	<0.5	<4
W-35C-05	1/10/06	0.6	<4
W-35C-06	1/10/06	2.1	<4
W-35C-07	1/10/06	7.1	<4
W-35C-07	01/10/06 DUP	<0.1	<4
W-35C-08	1/10/06	<0.1	<4
W-4A	3/3/06	0.7	<4
W-4A	03/03/06 DUP	1.1	<4
W-4AS	3/3/06	0.73	<4
W-4AS	03/03/06 DUP	0.64	<4
W-4B	3/3/06	0.14	<4
W-4C	3/3/06	<0.1	<4

Table B-18. High Explosives Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-4C	8/21/06	<0.1	<4 L
W-6BD	1/25/06	0.82	<4
W-6BS	1/25/06	17	<4
W-6CD	2/28/06	<0.1	<4
W-6CI	2/28/06	<0.1	<4
W-6CS	2/28/06	590 D	<4
W-6EI	1/10/06	0.31	<4
W-6ER	1/19/06	<0.1	<4
W-6ER	4/11/06	<0.5	<4
W-6ES	1/10/06	6.5	<4
W-6F	2/28/06	1	<4
W-6G	3/1/06	16	4.2
W-6G	03/01/06 DUP	15	4.1
W-6H	1/12/06	<0.1	<4
W-6H	7/19/06	<0.1	<4 L
W-6I	1/12/06	0.55	<4
W-6J	1/12/06	<0.1	<4
W-6J	7/19/06	<0.1	<4 L
W-6K	3/7/06	8.3	<4
W-6L	3/22/06	16	<4
W-808-01	2/10/06	85 D	<4
W-808-03	2/8/06	<0.1	<4
W-809-01	1/20/06	94 D	<4
W-809-02	1/20/06	-	11
W-809-03	2/10/06	-	7.4
W-809-04	1/20/06	1.2	<4
W-810-01	2/10/06	<0.1	<4
W-814-01	3/2/06	59 D	4.4
W-814-02	3/21/06	86 D	5.5
W-814-04	3/2/06	0.22	<4
W-814-04	8/21/06	<0.1	<4 L
W-814-2138	9/19/06	120 D	14
W-815-02	1/12/06	96 D	21
W-815-04	1/12/06	100 D	19
W-815-05	1/20/06	89 D	6.9
W-815-06	3/21/06	91 D	6.9
W-815-07	3/15/06	97 D	6.4
W-815-08	1/20/06	<0.1	<4
W-815-08	7/10/06	<0.1	<4
W-815-2217	5/8/06	-	<4
W-815-2217	9/25/06	1.7	<4
W-817-01	1/10/06	86	26
W-817-01	2/6/06	88	25
W-817-01	4/5/06	82	27
W-817-01	04/05/06 DUP	85 D	26
W-817-01	7/6/06	84	27
W-817-01	10/4/06	87	30
W-817-02	2/6/06	88 D	27
W-817-03	1/11/06	88	35
W-817-03	7/19/06	89 D	20
W-817-03A	2/6/06	130 D	12
W-817-04	1/11/06	44	29
W-817-04	7/19/06	85	19

Table B-18. High Explosives Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-817-04	12/6/06	88	22
W-817-05	2/10/06	0.61	<4
W-817-07	1/20/06	77 D	15
W-818-01	3/23/06	84 D	6.1
W-818-03	3/21/06	49 D	<4
W-818-04	3/21/06	0.65	<4
W-818-06	3/1/06	19	<4
W-818-07	3/1/06	2.5	<4
W-818-08	8/28/06	80	8.5
W-818-09	8/28/06	82	6.3
W-818-11	3/27/06	58 D	6.1
W-819-02	3/2/06	<0.1	<4
W-823-01	1/12/06	18 D	<4
W-823-02	1/12/06	<0.1	<4
W-823-03	1/12/06	44 D	<4
W-823-13	1/12/06	44 D	<4
W-827-05	3/10/06	<1 D	<4
W-827-05	12/15/06	<0.5	<4
W-829-06	1/11/06	48	8.8
W-829-06	4/4/06	98 D	11
W-829-06	04/04/06 DUP	98 D	9.7
W-829-06	4/25/06	94 D	-
W-829-06	7/12/06	54	8.8
W-829-15	4/6/06	-	<4
W-829-1938	1/12/06	-	4.1
W-829-1938	01/12/06 DUP	-	4.6
W-829-1938	03/01/06 DUP	1.3	<4
W-829-1938	03/01/06 REX	1.3	<4
W-829-1938	03/15/06 DUP	6.3 L	<4
W-829-1938	03/15/06 REX	5.9	<4
W-829-1938	4/20/06	-	<4
W-829-1938	7/13/06	-	<4
W-829-1938	07/13/06 DUP	-	<4
W-829-1938	10/12/06	-	<4
W-829-1938	10/12/06 DUP	-	<4
W-829-1940	3/10/06	50	5.4
W-829-22	4/19/06	-	<4 E
W-829-22	04/19/06 DUP	-	<4
WELL18	1/11/06	<0.5	<4
WELL18	01/11/06 DUP	<0.1	<4
WELL18	2/15/06	<0.5	<4
WELL18	02/15/06 DUP	<0.5	<4
WELL18	02/15/06 DUP	<0.1	<4
WELL18	3/15/06	<0.5	<4
WELL18	03/15/06 DUP	<0.1 L	<4
WELL18	4/12/06	<0.5	<4
WELL18	04/12/06 DUP	<0.1	<4
WELL18	5/17/06	<0.5	<4
WELL18	05/17/06 DUP	<0.1	<4
WELL18	6/14/06	<1 D	<4
WELL18	06/14/06 DUP	<0.1	<4
WELL18	7/11/06	<0.5	<4
WELL18	07/11/06 DUP	<0.1	<4

Table B-18. High Explosives Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
WELL18	8/15/06	<0.5	<4
WELL18	08/15/06 DUP	<0.1	<4
WELL18	9/13/06	<0.5	<4
WELL18	09/13/06 DUP	<0.1	<4
WELL18	10/11/06	<1 D	<4
WELL18	10/11/06 DUP	<0.1	<4
WELL18	11/9/06	<1 DO	<4
WELL18	11/09/06 DUP	<0.1	<4
WELL18	12/13/06	<0.5	<4
WELL18	12/13/06 DUP	<0.1	<4
WELL20	1/11/06	<0.5	<4
WELL20	01/11/06 DUP	<0.1	<4
WELL20	2/15/06	<0.5	<4
WELL20	02/15/06 DUP	<0.1	<4
WELL20	3/15/06	<0.5	<4
WELL20	03/15/06 DUP	<0.1 L	<4
WELL20	4/12/06	<0.5	<4
WELL20	04/12/06 DUP	<0.1	<4
WELL20	5/17/06	<0.5	<4
WELL20	05/17/06 DUP	<0.1	<4
WELL20	6/14/06	<1 D	<4
WELL20	06/14/06 DUP	<0.1	<4
WELL20	7/11/06	<0.5	<4
WELL20	07/11/06 DUP	<0.1	<4
WELL20	8/15/06	<0.5	<4
WELL20	08/15/06 DUP	<0.1	<4
WELL20	9/13/06	<0.5	<4
WELL20	09/13/06 DUP	<0.1	<4
WELL20	10/11/06	<0.5	<4
WELL20	10/11/06 DUP	<0.1	<4
WELL20	11/9/06	<0.5 O	<4
WELL20	11/09/06 DUP	<0.1	<4
WELL20	12/13/06	<0.5	<4
WELL20	12/13/06 DUP	<0.1	<4

Table B-19. High Explosives Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)	TNT (µg/L)
W-815-2110	1/25/06	<1	<1	-
W-815-2110	9/20/06	<1	<1	-
W-815-2111	1/25/06	<1	<1	-
W-815-2111	9/20/06	<1	<1	-
GALLO1	1/12/06	<5	<5	-
GALLO1	01/12/06 DUP	<1	<1	-
GALLO1	2/13/06	<1	<1	-
GALLO1	02/13/06 DUP	<1	<1	-
GALLO1	3/15/06	<1 D	<1 D	-
GALLO1	03/15/06 DUP	<1	<1	-
GALLO1	4/12/06	<1 D	<1 D	-
GALLO1	04/12/06 DUP	<1	<1	-
GALLO1	5/17/06	<1 D	<1 D	-
GALLO1	05/17/06 DUP	<1	<1	-
GALLO1	6/15/06	<1	<1	-
GALLO1	06/15/06 DUP	<1	<1	-
GALLO1	7/11/06	<1 D	<1 D	-
GALLO1	07/11/06 DUP	<1	<1	-
GALLO1	8/15/06	<1	<1	-
GALLO1	08/15/06 DUP	<1	<1	-
GALLO1	9/13/06	<1	<1	-
GALLO1	09/13/06 DUP	<1	<1	-
GALLO1	10/11/06	<1 D	<1 D	-
GALLO1	10/11/06 DUP	<1	<1	-
GALLO1	11/9/06	<1 D	<1 D	-
GALLO1	11/09/06 DUP	<1	<1	-
GALLO1	12/13/06	<1	<1	-
GALLO1	12/13/06 DUP	<1	<1	-
W-35B-01	1/4/06	<1	<1	-
W-35B-01	9/20/06	<1	<1	-
W-35B-02	1/4/06	<1	<1	-
W-35B-02	9/20/06	<1	<1	-
W-35B-03	1/4/06	<1	<1	-
W-35B-03	9/20/06	<1	<1	-
W-35B-04	1/4/06	<1	<1	-
W-35B-04	7/10/06	<1	<1	-
W-35B-05	1/4/06	<1	<1	-
W-35B-05	7/10/06	<1	<1	-
W-35C-01	1/25/06	<1	<1	-
W-35C-02	3/1/06	<1	<1	-
W-35C-04	1/19/06	<1	<1	-
W-35C-04	4/11/06	<1	<1	-
W-35C-05	1/10/06	<1	<1	-
W-35C-06	1/10/06	<1	<1	-
W-35C-07	1/10/06	<1	<1	-
W-35C-07	01/10/06 DUP	<1	<1	-
W-35C-08	1/10/06	<1	<1	-
W-4A	3/3/06	<1	<1	-
W-4A	03/03/06 DUP	<1	<1	-
W-4AS	3/3/06	<1	<1	-
W-4AS	03/03/06 DUP	<1	<1	-
W-4B	3/3/06	<1	<1	-
W-4C	8/21/06	<1	<1	-
W-6BD	1/25/06	<1	<1	-
W-6BS	1/25/06	<1	<1	-

Table B-19. High Explosives Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)	TNT (µg/L)
W-6CD	2/28/06	<1	<1	-
W-6CI	2/28/06	<1	<1	-
W-6CS	2/28/06	<1	<1	-
W-6EI	1/10/06	<1	<1	-
W-6ER	1/19/06	<1	<1	-
W-6ER	4/11/06	<1	<1	-
W-6ES	1/10/06	<1	<1	-
W-6F	2/28/06	<1	<1	-
W-6G	3/1/06	<1	<1	-
W-6G	03/01/06 DUP	<1	<1	-
W-6H	1/12/06	<1	<1	-
W-6H	7/19/06	<1	<1	-
W-6I	1/12/06	<1	<1	-
W-6J	1/12/06	<1	<1	-
W-6J	7/19/06	<1	<1	-
W-6K	3/7/06	<1	<1	-
W-6L	3/22/06	<1	<1	-
W-808-01	2/10/06	<1	<1	-
W-808-03	2/8/06	<1	<1	-
W-809-01	1/20/06	<1	<1	-
W-809-04	1/20/06	1.3	<1	-
W-810-01	2/10/06	<1	<1	-
W-814-01	3/2/06	<1	<1	-
W-814-02	3/21/06	2.4	3.7	-
W-814-2138	9/19/06	<1	<1	-
W-815-02	1/12/06	5.4	63	-
W-815-04	1/12/06	7.7	77	-
W-815-05	1/20/06	<1	<1	-
W-815-06	3/21/06	<1	17	-
W-815-07	3/15/06	<1	2.5	-
W-815-08	1/20/06	<1	<1	-
W-815-08	7/10/06	<1	<1	-
W-815-2217	5/8/06	<1	<1	-
W-815-2217	9/25/06	<1	<1	-
W-817-01	1/10/06	9.4 D	36 D	-
W-817-01	2/6/06	12	39	-
W-817-01	4/5/06	14	39	-
W-817-01	04/05/06 DUP	12	39	-
W-817-01	7/6/06	17	43	-
W-817-01	10/4/06	19	50	-
W-817-02	2/6/06	<1	<1	-
W-817-03	7/19/06	<1	3.4	-
W-817-03A	2/6/06	<1	<1	-
W-817-04	7/19/06	<1	4.3	-
W-817-04	12/6/06	<1 D	10 D	-
W-817-05	2/10/06	<1	<1	-
W-817-07	1/20/06	<1	<1	-
W-818-01	3/23/06	<1	2.3	-
W-818-03	3/21/06	<1	<1	-
W-818-04	3/21/06	<1	<1	-
W-818-06	3/1/06	<1	<1	-
W-818-07	3/1/06	<1	<1	-
W-818-08	8/28/06	<1 D	<1 D	-
W-818-09	8/28/06	<1 D	<1 D	-
W-818-11	3/27/06	-	20	-

Table B-19. High Explosives Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)	TNT (µg/L)
W-819-02	3/2/06	<1	<1	-
W-823-01	1/12/06	<1	<1	-
W-823-02	1/12/06	<1	<1	-
W-823-03	1/12/06	<1	<1	-
W-823-13	1/12/06	<1	<1	-
W-827-05	3/10/06	<1	<1	-
W-827-05	12/15/06	<1	<1	-
W-829-06	4/4/06	<1	<1	-
W-829-15	4/6/06	<1	<1	<5
W-829-1938	1/12/06	<1	<1	<5
W-829-1938	01/12/06 DUP	<1	<1	<5
W-829-1938	4/20/06	<1	<1	<5
W-829-1938	7/13/06	<1	<1	<5
W-829-1938	07/13/06 DUP	<1	<1	<5
W-829-1938	10/12/06	<1 D	<1 D	<5 D
W-829-1938	10/12/06 DUP	<1 D	<1 D	<5 D
W-829-1940	3/10/06	<1	<1	-
W-829-22	4/19/06	<1	<1	<5
W-829-22	04/19/06 DUP	<1	<1	<5
WELL18	1/11/06	<5	<5	-
WELL18	01/11/06 DUP	<1	<1	-
WELL18	2/15/06	<1	<1	-
WELL18	02/15/06 DUP	<1	<1	-
WELL18	02/15/06 DUP	<1	<1	-
WELL18	3/15/06	<1 D	<1 D	-
WELL18	03/15/06 DUP	<1	<1	-
WELL18	4/12/06	<1 D	<1 D	-
WELL18	04/12/06 DUP	<1	<1	-
WELL18	5/17/06	<1 D	<1 D	-
WELL18	05/17/06 DUP	<1	<1	-
WELL18	6/14/06	<1	<1	-
WELL18	06/14/06 DUP	<1	<1	-
WELL18	7/11/06	<1	<1	-
WELL18	07/11/06 DUP	<1	<1	-
WELL18	8/15/06	<1	<1	-
WELL18	08/15/06 DUP	<1	<1	-
WELL18	9/13/06	<1	<1	-
WELL18	09/13/06 DUP	<1	<1	-
WELL18	10/11/06	<1 D	<1 D	-
WELL18	10/11/06 DUP	<1	<1	-
WELL18	11/9/06	<1 D	<1 D	-
WELL18	11/09/06 DUP	<1	<1	-
WELL18	12/13/06	<1	<1	-
WELL18	12/13/06 DUP	<1	<1	-
WELL20	1/11/06	<5	<5	-
WELL20	01/11/06 DUP	<1	<1	-
WELL20	2/15/06	<1	<1	-
WELL20	02/15/06 DUP	<1	<1	-
WELL20	3/15/06	<1 D	<1 D	-
WELL20	03/15/06 DUP	<1	<1	-
WELL20	4/12/06	<1 D	<1 D	-
WELL20	04/12/06 DUP	<1	<1	-
WELL20	5/17/06	<1 D	<1 D	-
WELL20	05/17/06 DUP	<1	<1	-
WELL20	6/14/06	<1	<1	-

Table B-19. High Explosives Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (μg/L)	RDX (μg/L)	TNT (μg/L)
WELL20	06/14/06 DUP	<1	<1	-
WELL20	7/11/06	<1	<1	-
WELL20	07/11/06 DUP	<1	<1	-
WELL20	8/15/06	<1	<1	-
WELL20	08/15/06 DUP	<1	<1	-
WELL20	9/13/06	<1	<1	-
WELL20	09/13/06 DUP	<1	<1	-
WELL20	10/11/06	<1 D	<1 D	-
WELL20	10/11/06 DUP	<1	<1	-
WELL20	11/9/06	<1 D	<1 D	-
WELL20	11/09/06 DUP	<1	<1	-
WELL20	12/13/06	<1	<1	-
WELL20	12/13/06 DUP	<1	<1	-

Table B-20. High Explosives Process Area OU general minerals in ground water.

Constituents of concern	W-815-2217 5/8/06
Total Alkalinity (as CaCO3) (mg/L)	280
Aluminum (mg/L)	<0.2
Bicarbonate Alk (as CaCO3) (mg/L)	200 D
Calcium (mg/L)	7.4
Carbonate Alk (as CaCO3) (mg/L)	76 D
Chloride (mg/L)	180 B
Copper (mg/L)	<0.05
Fluoride (mg/L)	1.1
Hydroxide Alk (as CaCO3) (mg/L)	<10 D
Iron (mg/L)	<0.1
Magnesium (mg/L)	2.9
Manganese (mg/L)	<0.03
Nickel (mg/L)	<0.1
Nitrate (as N) (mg/L)	<0.5
Nitrate (as NO3) (mg/L)	<0.5
Nitrite (as N) (mg/L)	<0.5
pH (Units)	8.5
Ortho-Phosphate (mg/L)	0.8
Total Phosphorus (as P) (mg/L)	0.33 H
Potassium (mg/L)	5.9
Sodium (mg/L)	290 B
Total dissolved solids (TDS) (mg/L)	900 D
Specific Conductance (µmhos/cm)	1,400
Sulfate (mg/L)	200
Surfactants (mg/L)	<1 D
Total Hardness (as CaCO3) (mg/L)	31
Zinc (mg/L)	<0.05

Table B-21. High Explosives Process Area OU radiological constituents in ground water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Radium 226 (pCi/L)	Thorium 232 (pCi/L)	Tritium (pCi/L)	Uranium (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
GALLO1	1/12/06	<2	3.86 ± 1.50	-	-	<100	-	-	-	-	-	-
GALLO1	01/12/06 DUP	<2 L	<3	-	-	<200	-	-	-	-	-	-
GALLO1	4/12/06	<2	3.01 ± 1.30	-	-	<100	-	-	-	-	-	-
GALLO1	04/12/06 DUP	<2	4.51 ± 1.41	-	-	<200	-	-	-	-	-	-
GALLO1	7/11/06	<2	3.56 ± 1.40	-	-	<100	-	-	-	-	-	-
GALLO1	07/11/06 DUP	<2	4.65 ± 1.83	-	-	<200	-	-	-	-	-	-
GALLO1	10/11/06	<2	<3	-	-	<100	-	-	-	-	-	-
GALLO1	10/11/06 DUP	<2 O	<3	-	-	<200	-	-	-	-	-	-
W-815-2217	5/8/06	<2	5.51 ± 1.40	-	0.000700 ± 0.00000580	<100	0.700 ± 0.0110	0.460 ± 0.0110	0.0110 ± 0.0000580	<0.000045	0.230 ± 0.000890	0.00722 ± 0.0000280
W-829-15	4/6/06	<2	28.6 ± 6.40	<0.25	-	<100	-	-	-	-	-	-
W-829-1938	1/12/06	<2	11.4 ± 2.50	-	-	<100	-	-	-	-	-	-
W-829-1938	01/12/06 DUP	<2	11.9 ± 2.60	-	-	<100	-	-	-	-	-	-
W-829-1938	4/20/06	<2	12.7 ± 2.90	-	-	<100	-	-	-	-	-	-
W-829-1938	7/13/06	<2	11.3 ± 2.50	-	-	-	-	-	-	-	-	-
W-829-1938	07/13/06 DUP	<2	9.25 ± 2.10	-	-	-	-	-	-	-	-	-
W-829-1938	10/12/06	<2	11.1 ± 2.40	<0.25	-	-	-	-	-	-	-	-
W-829-1938	10/12/06 DUP	<2	10.8 ± 2.50	<0.25	-	-	-	-	-	-	-	-
W-829-22	4/19/06	<2	7.84 ± 2.00	-	-	<100	-	-	-	-	-	-
W-829-22	04/19/06 DUP	<2	8.04 ± 1.90	-	-	<100	-	-	-	-	-	-
WELL20	1/11/06	<2	8.01 ± 1.90	-	-	<100	-	-	-	-	-	-
WELL20	01/11/06 DUP	<2 O	<3 O	-	-	<200	-	-	-	-	-	-
WELL20	4/12/06	<2	5.74 ± 2.00	-	-	<100	-	-	-	-	-	-
WELL20	04/12/06 DUP	<2	6.78 ± 1.79	-	-	<200	-	-	-	-	-	-
WELL20	7/11/06	<2	6.31 ± 1.70	-	-	<100	-	-	-	-	-	-
WELL20	07/11/06 DUP	<2	9.07 ± 1.85	-	-	<200	-	-	-	-	-	-
WELL20	10/11/06	<2	7.12 ± 1.80	-	-	<100	-	-	-	-	-	-
WELL20	10/11/06 DUP	<2 O	5.03 ± 2.03	-	-	<200	-	-	-	-	-	-

Table B-22. High Explosives Process Area OU metals and silica in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (as SiO2) (mg/L)	Silver (mg/L)	Sodium (mg/L)
GALLO1	1/12/06	-	-	-	-	-	-	-	-	3.7	-	-	-	-
GALLO1	01/12/06 DUP	-	-	-	-	-	-	-	-	8.2	-	-	-	-
GALLO1	4/12/06	-	-	-	-	-	-	-	-	4	-	-	-	-
GALLO1	04/12/06 DUP	-	-	-	-	-	-	-	-	8.2	-	-	-	-
GALLO1	7/11/06	-	-	-	-	-	-	-	-	3.6	-	-	-	-
GALLO1	07/11/06 DUP	-	-	-	-	-	-	-	-	7.5 L	-	-	-	-
GALLO1	10/11/06	-	-	-	-	-	-	-	-	4.1	-	-	-	-
GALLO1	10/11/06 DUP	-	-	-	-	-	-	-	-	7.6 L	-	-	-	-
W-815-2217	5/8/06	0.032	0.0047	<0.001	0.0019	-	<0.001	-	<0.0002	-	0.0023	42	<0.001	-
W-829-15	4/6/06	-	-	-	-	<0.05	-	<0.01	-	27	-	-	-	170 B
W-829-1938	1/12/06	-	-	-	-	<0.05	-	0.045	-	12	-	-	-	160 F
W-829-1938	01/12/06 DUP	-	-	-	-	<0.05	-	0.041	-	12	-	-	-	160 F
W-829-1938	4/20/06	-	-	-	-	<0.05	-	0.013	-	12 B	-	-	-	160 L
W-829-1938	7/13/06	-	-	-	-	<0.05	-	0.052	-	12	-	-	-	160 F
W-829-1938	07/13/06 DUP	-	-	-	-	<0.05	-	0.047	-	12	-	-	-	160 F
W-829-1938	10/12/06	-	-	-	-	<0.05 E	-	0.043	-	12	-	-	-	150
W-829-1938	10/12/06 DUP	-	-	-	-	<0.05 E	-	0.042	-	12	-	-	-	150
W-829-22	4/19/06	-	-	-	-	<0.05	-	<0.01 E	-	8.9	-	-	-	220
W-829-22	04/19/06 DUP	-	-	-	-	<0.05	-	<0.01 E	-	8.7	-	-	-	210
WELL20	1/11/06	-	-	-	-	-	-	-	-	7.9	-	-	-	-
WELL20	01/11/06 DUP	-	-	-	-	-	-	-	-	14	-	-	-	-
WELL20	4/12/06	-	-	-	-	-	-	-	-	8.4	-	-	-	-
WELL20	04/12/06 DUP	-	-	-	-	-	-	-	-	14	-	-	-	-
WELL20	7/11/06	-	-	-	-	-	-	-	-	7.6	-	-	-	-
WELL20	07/11/06 DUP	-	-	-	-	-	-	-	-	13 L	-	-	-	-
WELL20	10/11/06	-	-	-	-	-	-	-	-	8.1	-	-	-	-
WELL20	10/11/06 DUP	-	-	-	-	-	-	-	-	14 L	-	-	-	-

Table B-23. High Explosives Process Area OU diesel range organic compounds in ground water.

Location	Date	Diesel Fuel (µg/L)
W-823-02	7/19/06	<50

Table B-24. High Explosives Process Area OU fish toxicity in ground water.

Location	Date	Aqueous Bioassay, algae growth Lowest Observable Effect Concentration (Percent)	Aqueous Bioassay, algae growth No Observable Effect Concentration (Percent)	Aqueous Bioassay, water flea Lowest Observable Effect Concentration (Percent)	Aqueous Bioassay, water flea No Observable Effect Concentration (Percent)
W-817-03A	2/6/06	100	100	100	100

Table B-25. Building 850 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-PIT1-2209	9/27/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-01C	1/4/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-01C	4/10/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-01C	7/10/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-01C	10/5/06	E624	<0.5 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H
K1-01C	10/05/06 DUP	E624	<0.5 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H
K1-02B	1/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-02B	4/12/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-02B	04/12/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-02B	7/5/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-02B	10/4/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-03	1/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-03	4/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-03	7/5/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-03	10/4/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-04	1/10/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-04	4/4/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-04	7/5/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-04	10/4/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-05	1/5/06	E624	<0.5	<1	<1	<1	<1	<1 B	<1	<1	<1	<1	<1	<1	16	<1
K1-05	4/6/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	15	<1
K1-05	7/11/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	17	<1
K1-05	10/3/06	E624	<0.5	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1	18	<1
K1-07	1/17/06	E624	<0.5 BE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-07	4/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-07	4/11/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-07	7/6/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-07	07/06/06 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-07	10/10/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
K1-08	1/18/06	E624	<0.5 BE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	30	<1
K1-08	01/18/06 DUP	E624	<0.5 BE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	29	<1
K1-08	4/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	32	<0.5
K1-08	4/11/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	32	<1
K1-08	7/10/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	30	<1
K1-08	10/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	34	<1
K1-09	1/19/06	E624	<0.5 E	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	33	<1
K1-09	4/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	51	<0.5
K1-09	4/12/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 E	51 F	<1
K1-09	7/11/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	45	<1
K1-09	10/3/06	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	46	<1
NC7-69	5/4/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
NC7-69	10/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
NC7-69	10/17/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-850-2145	3/28/06	E624	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
W-PIT1-02	2/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT1-02	5/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT1-02	05/11/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT1-02	8/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT1-02	11/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	2/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	4/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	04/03/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	8/29/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	2/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	4/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	8/30/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-2005	2/24/06	E601	<0.5 BL	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	<0.5 B	7.8 B	<0.5 B
W-865-2005	6/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.1	<0.5
W-865-2005	9/21/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.4	<0.5
W-865-2005	12/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	8.2	<0.5

Table B-25 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
W-PIT1-2209	9/27/06	E624	0 of 30
K1-01C	1/4/06	E624	0 of 30
K1-01C	4/10/06	E624	0 of 30
K1-01C	7/10/06	E624	0 of 30
K1-01C	10/5/06	E624	0 of 30
K1-01C	10/05/06 DUP	E624	0 of 30
K1-02B	1/3/06	E624	0 of 30
K1-02B	4/12/06	E624	0 of 30
K1-02B	04/12/06 DUP	E624	0 of 30
K1-02B	7/5/06	E624	0 of 30
K1-02B	10/4/06	E624	0 of 30
K1-03	1/3/06	E624	0 of 30
K1-03	4/3/06	E624	0 of 30
K1-03	7/5/06	E624	0 of 30
K1-03	10/4/06	E624	0 of 30
K1-04	1/10/06	E624	0 of 30
K1-04	4/4/06	E624	0 of 30
K1-04	7/5/06	E624	0 of 30
K1-04	10/4/06	E624	0 of 30
K1-05	1/5/06	E624	0 of 30
K1-05	4/6/06	E624	0 of 30
K1-05	7/11/06	E624	0 of 30
K1-05	10/3/06	E624	0 of 30
K1-07	1/17/06	E624	0 of 30
K1-07	4/11/06	E601	0 of 18
K1-07	4/11/06	E624	0 of 30
K1-07	7/6/06	E624	0 of 30
K1-07	07/06/06 DUP	E624	0 of 30
K1-07	10/10/06	E624	0 of 30
K1-08	1/18/06	E624	0 of 30
K1-08	01/18/06 DUP	E624	0 of 30
K1-08	4/11/06	E601	0 of 18
K1-08	4/11/06	E624	0 of 30
K1-08	7/10/06	E624	0 of 30
K1-08	10/3/06	E624	0 of 30
K1-09	1/19/06	E624	0 of 30
K1-09	4/12/06	E601	0 of 18
K1-09	4/12/06	E624	0 of 30
K1-09	7/11/06	E624	0 of 30
K1-09	10/3/06	E624	0 of 30
NC7-69	5/4/06	E601	0 of 18
NC7-69	10/17/06	E601	0 of 18
NC7-69	10/17/06 DUP	E601	0 of 18
W-850-2145	3/28/06	E624	0 of 30
W-PIT1-02	2/3/06	E601	0 of 18

Table B-25 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
W-PIT1-02	2/3/06	E602	0 of 9
W-PIT1-02	5/11/06	E601	0 of 18
W-PIT1-02	5/11/06	E602	0 of 9
W-PIT1-02	05/11/06 DUP	E601	0 of 18
W-PIT1-02	05/11/06 DUP	E602	0 of 10
W-PIT1-02	8/10/06	E601	0 of 18
W-PIT1-02	8/10/06	E602	0 of 9
W-PIT1-02	11/6/06	E601	0 of 18
W-PIT1-02	11/6/06	E602	0 of 9
W-865-1802	2/15/06	E601	0 of 18
W-865-1802	4/3/06	E601	0 of 18
W-865-1802	04/03/06 DUP	E601	0 of 18
W-865-1802	8/29/06	E601	0 of 18
W-865-1803	2/22/06	E601	0 of 18
W-865-1803	4/12/06	E601	0 of 18
W-865-1803	8/30/06	E601	0 of 18
W-865-2005	2/24/06	E601	0 of 18
W-865-2005	2/24/06	E602	0 of 9
W-865-2005	6/8/06	E601	0 of 18
W-865-2005	6/8/06	E602	0 of 9
W-865-2005	9/21/06	E601	0 of 18
W-865-2005	9/21/06	E602	0 of 9
W-865-2005	12/14/06	E601	0 of 18

Table B-26. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-PIT1-2209	9/27/06	32	<4
K1-01C	1/4/06	36	4.6
K1-01C	4/10/06	37	<4 E
K1-01C	7/10/06	37	<4 E
K1-01C	10/5/06	38	<4 E
K1-01C	10/05/06 DUP	39	<4 E
K1-02A	4/13/06	-	<4
K1-02B	1/3/06	37	9.6
K1-02B	4/12/06	38	7.4
K1-02B	04/12/06 DUP	37	7.2
K1-02B	7/5/06	37	7.4
K1-02B	10/4/06	40	7
K1-03	1/3/06	31	<4 E
K1-03	4/3/06	32	<4
K1-03	7/5/06	31	<4 E
K1-03	10/4/06	34	<4 E
K1-04	1/10/06	34	<4 E
K1-04	4/4/06	36	<4 E
K1-04	7/5/06	32	<4 E
K1-04	10/4/06	36	<4 E
K1-05	1/5/06	37	<4 E
K1-05	4/6/06	38	<4 E
K1-05	7/11/06	37	<4
K1-05	10/3/06	36	<4
K1-06	1/17/06	35 D	<4
K1-06	6/8/06	39 D	4.6
K1-06	7/10/06	-	4.8
K1-06	10/10/06	-	4.4
K1-07	1/17/06	32	<4
K1-07	4/11/06	34	<4
K1-07	7/6/06	33	<4
K1-07	07/06/06 DUP	32	<4
K1-07	10/10/06	35	<4
K1-08	1/18/06	37	<4
K1-08	01/18/06 DUP	37	<4
K1-08	4/11/06	37	<4
K1-08	7/10/06	37	<4
K1-08	10/3/06	36	<4
K1-09	1/19/06	37	<4
K1-09	4/12/06	37	<4
K1-09	7/11/06	37	<4
K1-09	10/3/06	38	<4
K2-03	4/10/06	6.9	-
K2-04D	2/21/06	-	<4
K2-04D	4/10/06	38 D	<4 E

Table B-26. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K2-04D	8/10/06	-	<4
K2-04D	10/10/06	-	<4 E
K2-04D	10/10/06 DUP	-	<4 E
K2-04S	2/21/06	-	6.5
K2-04S	4/11/06	36 D	7.7
K2-04S	8/10/06	-	5.6
K2-04S	08/10/06 DUP	-	7.8
K2-04S	10/10/06	-	8.6
NC2-05	5/15/06	32 DLO	<4
NC2-05A	5/15/06	35 DLO	4.6
NC2-06	5/15/06	33 DLO	4.3
NC2-06A	5/15/06	0.65 LO	<4
NC2-09	5/15/06	<0.1 LO	<4
NC2-10	5/1/06	93 D	4.1
NC2-11D	4/25/06	29	<4 E
NC2-11D	10/19/06	-	<4 E
NC2-11I	5/10/06	120 D	-
NC2-11S	5/10/06	91 D	-
NC2-12D	4/27/06	24 D	<4 E
NC2-12D	10/25/06	-	5
NC2-12D	10/25/06 DUP	-	4.8
NC2-12I	5/1/06	18 D	-
NC2-12S	5/1/06	75 D	-
NC2-13	5/15/06	36 DLO	-
NC2-13	05/15/06 DUP	39	-
NC2-14S	2/1/06	-	<4
NC2-14S	4/25/06	29 D	<4
NC2-14S	04/25/06 DUP	29 D	4
NC2-14S	8/15/06	-	4.3
NC2-14S	08/15/06 DUP	-	6.3
NC2-14S	10/25/06	-	<4
NC2-15	5/22/06	-	<4
NC2-15	9/19/06	35 D	-
NC2-15	12/7/06	32 D	<4
NC2-16	2/23/06	-	<4
NC2-16	5/18/06	5	<4
NC2-16	8/29/06	-	<4
NC2-16	10/27/06	-	<4
NC2-17	5/22/06	-	5.4
NC2-17	9/19/06	31 D	-
NC2-18	5/15/06	38 D	11
NC2-19	5/22/06	71 D	<4
NC2-20	5/22/06	25 D	<4
NC2-21	5/22/06	22 D	<4
NC7-10	1/30/06	-	10

Table B-26. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
NC7-10	5/16/06	39 D	15
NC7-10	8/16/06	-	15
NC7-10	10/17/06	-	13
NC7-11	1/30/06	-	13
NC7-11	5/16/06	63 D	14
NC7-11	8/16/06	-	14
NC7-11	10/17/06	-	13
NC7-14	5/15/06	28 DH	-
NC7-14	5/31/06	-	<4
NC7-15	5/15/06	33 DH	<4
NC7-15	05/17/06 DUP	35	<4
NC7-19	6/1/06	29 D	<4
NC7-27	6/1/06	53 D	11
NC7-28	1/31/06	-	65
NC7-28	5/18/06	13	66
NC7-28	8/28/06	-	60
NC7-28	10/19/06	-	64
NC7-29	4/26/06	140 D	10
NC7-29	11/15/06	-	10
NC7-43	5/18/06	8.6	8.7
NC7-43	10/18/06	-	<4
NC7-44	5/22/06	62 D	<4
NC7-46	4/26/06	0.38	-
NC7-46	8/17/06	-	<4
NC7-54	5/23/06	38 D	-
NC7-54	8/17/06	-	14
NC7-56	2/23/06	-	6.1
NC7-56	5/2/06	29 D	6.4
NC7-56	8/30/06	-	7.7
NC7-56	10/24/06	-	8.9
NC7-58	2/21/06	-	5.3
NC7-58	4/25/06	33 D	5.8
NC7-58	8/16/06	-	6
NC7-58	10/24/06	-	6.1
NC7-59	2/23/06	-	5.3
NC7-59	5/2/06	24 D	6.5
NC7-59	05/02/06 DUP	32	8.6
NC7-59	9/19/06	-	7.6
NC7-59	12/8/06	-	6.6
NC7-60	6/1/06	0.59	<4
NC7-60	11/15/06	-	<4
NC7-61	1/5/06	-	49
NC7-61	5/2/06	42 D	50
NC7-61	05/02/06 DUP	42 D	51
NC7-61	7/10/06	-	50

Table B-26. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
NC7-61	10/2/06	64 D	57
NC7-62	2/23/06	-	6.8
NC7-62	5/2/06	32 D	8.3
NC7-62	8/30/06	-	7.5
NC7-62	10/24/06	-	7.4
NC7-69	5/3/06	-	<4
NC7-69	5/4/06	<0.1	-
NC7-69	10/17/06	-	<4
NC7-69	10/17/06 DUP	-	<4
NC7-70	2/8/06	-	47
NC7-70	5/23/06	43 D	52
NC7-70	8/28/06	-	48
NC7-70	11/28/06	-	44
NC7-70	11/28/06 DUP	-	52
NC7-71	2/8/06	-	<4
NC7-71	5/23/06	<0.1	<4
NC7-71	8/28/06	-	<4
NC7-71	10/19/06	-	<4
NC7-72	2/23/06	-	5.9
NC7-72	5/2/06	31 D	7.9
NC7-72	8/30/06	-	7
NC7-72	10/24/06	-	7.2
NC7-73	2/23/06	-	7.8
NC7-73	5/2/06	32 D	7.8
NC7-73	8/30/06	-	6.7
NC7-73	10/24/06	-	6.8
NC7-76	5/18/06	12	<4
W-850-05	2/8/06	-	<4
W-850-05	5/24/06	0.34	<4
W-850-05	8/28/06	-	<4
W-850-05	10/19/06	-	<4
W-850-2145	3/28/06	39	5.2
W-850-2145	5/25/06	32 D	4.7
W-PIT1-02	2/3/06	-	4.1
W-PIT1-02	5/11/06	-	5
W-PIT1-02	05/11/06 DUP	-	7.7
W-PIT1-02	8/10/06	-	<4
W-PIT1-02	11/6/06	-	4.5
W-PIT7-16	5/18/06	<0.1	-
W-865-1802	2/15/06	-	<4
W-865-1802	4/3/06	30 D	<4
W-865-1802	04/03/06 DUP	31	<4
W-865-1802	12/6/06	-	<4
W-865-1803	2/22/06	-	<4
W-865-1803	4/12/06	29 D	<4

Table B-26. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-865-1803	12/7/06	-	<4
W-865-2005	2/24/06	HLOR	<4
W-865-2005	6/8/06	35 D	<4
W-865-2005	9/21/06	36 D	<4
SPRING24	4/10/06	<0.1	-
SPRING24	10/18/06	-	<4
W8SPRNG	2/10/06	-	11
W8SPRNG	6/6/06	43	13
W8SPRNG	8/17/06	-	15
W8SPRNG	12/13/06 DUP	-	18
W8SPRNG	12/14/06	-	14

Table B-27. Building 850 OU metals and silica in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silica (as SiO2) (mg/L)	Silver (mg/L)
W-PIT1-2209	9/27/06	0.016	0.029	<0.001	<0.001	<0.005	<0.0002	0.0047	68	<0.001
W-850-2145	3/28/06	0.014	<0.02	<0.0005	<0.001	<0.005	<0.0002	0.007	64	<0.001
W-PIT1-02	8/10/06	0.011	0.05 B	<0.0005	0.001	<0.005	<0.0002	0.006	-	<0.001
W-865-1802	2/15/06	0.014	0.04 L	<0.0005	<0.001	<0.005	<0.0002	0.003	-	<0.001
W-865-1802	4/3/06	0.014	0.04	<0.0005	<0.001	<0.005	<0.0002	0.003	-	<0.001
W-865-1802	4/03/06 DUP	0.016	0.039 B	<0.001	<0.001	<0.005	<0.0002	<0.002	-	<0.001
W-865-1803	2/22/06	0.0071	0.03 L	<0.0005	<0.001	<0.005	<0.0002 L	<0.002	-	<0.001
W-865-1803	4/12/06	0.0075	0.03 JL	<0.0005	<0.001	<0.005	<0.0002	0.002	-	<0.001
W-865-2005	2/24/06	0.015	0.1 DJL	0.0009	0.02	0.007	<0.0002 L	<0.002	-	<0.001
W-865-2005	6/8/06	0.012	0.03 L	<0.0005	<0.001	<0.005	<0.0002	0.003	-	<0.001
W-865-2005	9/21/06	0.012	0.03	<0.0005	<0.001	<0.005	<0.0002	0.003	-	<0.001

Table B-28. Building 850 OU general minerals in ground water.

Constituents of concern	W-PIT1-2209 9/27/06 GENMIN	W-850-2145 3/28/06 GENMINDISS
Total Alkalinity (as CaCO3) (mg/L)	160	160
Aluminum (mg/L)	<0.05	<0.054
Bicarbonate Alk (as CaCO3) (mg/L)	160 D	160
Calcium (mg/L)	44	61
Carbonate Alk (as CaCO3) (mg/L)	<5 D	R
Chloride (mg/L)	42	66 D
Copper (mg/L)	<0.01	<0.01
Fluoride (mg/L)	0.32	0.38
Hydroxide Alk (as CaCO3) (mg/L)	<5 D	R
Iron (mg/L)	<0.05	<0.1
Magnesium (mg/L)	21	26
Manganese (mg/L)	<0.01	<0.03
Nickel (mg/L)	<0.01	<0.1
Nitrate (as N) (mg/L)	7.2	-
Nitrate (as NO3) (mg/L)	32	-
Nitrite (as N) (mg/L)	<0.5	<0.1
pH (Units)	8.01	7.5 H
Ortho-Phosphate (mg/L)	0.08	<0.1
Total Phosphorus (as P) (mg/L)	0.063 H	-
Total Phosphorus (as PO4) (mg/L)	-	<0.1
Potassium (mg/L)	3.9	6 L
Sodium (mg/L)	40 B	60
Total dissolved solids (TDS) (mg/L)	390 DH	530
Specific Conductance (µmhos/cm)	470	810 H
Sulfate (mg/L)	32 B	82 D
Surfactants (mg/L)	<1 D	<0.5
Total Hardness (as CaCO3) (mg/L)	200	260
Zinc (mg/L)	<0.01	<0.02

Table B-29. Building 850 OU uranium and thorium isotopes by mass spectrometry in ground and surface water.

Location	Date	Thorium 232 (pCi/L)	Uranium (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
W-PIT1-2209	9/27/06	0.000990 ± 0.00000990	2.70 ± 0.0290	1.70 ± 0.0290	0.0430 ± 0.000370	<0.00018	0.910 ± 0.00330	0.00731 ± 0.0000580
K1-01C	4/10/06	<0.0004	3.60 ± 0.0690	2.50 ± 0.0680	0.0500 ± 0.000530	<0.00021	1.10 ± 0.00830	0.00725 ± 0.0000520
K1-02B	4/12/06	<0.0004	3.30 ± 0.0540	2.10 ± 0.0530	0.0530 ± 0.000450	<0.00022	1.10 ± 0.00610	0.00726 ± 0.0000470
K1-02B	04/12/06 DUP	<0.0004	3.40 ± 0.0360	2.20 ± 0.0360	0.0540 ± 0.000360	<0.00022	1.20 ± 0.00390	0.00729 ± 0.0000420
K1-03	4/3/06	<0.0004	1.80 ± 0.0290	1.20 ± 0.0290	0.0280 ± 0.000210	<0.00012	0.590 ± 0.00350	0.00726 ± 0.0000320
K1-04	4/4/06	<0.0004	1.90 ± 0.0200	1.20 ± 0.0200	0.0290 ± 0.000120	<0.00012	0.630 ± 0.00200	0.00726 ± 0.0000170
K1-05	4/6/06	<0.0004	2.80 ± 0.0270	1.90 ± 0.0270	0.0400 ± 0.000320	<0.00017	0.860 ± 0.00240	0.00726 ± 0.0000530
K1-06	1/17/06	0.000430 ± 0.0000190	8.00 ± 0.110	5.50 ± 0.110	0.110 ± 0.000650	<0.00047	2.40 ± 0.00500	0.00724 ± 0.0000390
K1-06	6/8/06	<0.0004	8.50 ± 0.0800	5.80 ± 0.0790	0.120 ± 0.000540	<0.0005	2.60 ± 0.00490	0.00721 ± 0.0000290
K1-07	4/11/06	<0.0004	2.80 ± 0.0650	2.00 ± 0.0650	0.0400 ± 0.000300	<0.00016	0.850 ± 0.00360	0.00730 ± 0.0000460
K2-03	4/10/06	<0.0004	8.60 ± 0.0600	5.20 ± 0.0570	0.150 ± 0.00120	<0.00062	3.20 ± 0.0180	0.00730 ± 0.0000380
K2-04D	4/10/06	<0.0004	2.90 ± 0.0810	1.80 ± 0.0810	0.0500 ± 0.000520	<0.0002	1.10 ± 0.00340	0.00729 ± 0.0000730
K2-04D	10/10/06	<0.0004	2.90 ± 0.0320	1.80 ± 0.0320	0.0490 ± 0.000280	<0.0002	1.00 ± 0.00290	0.00732 ± 0.0000360
K2-04D	10/10/06 DUP	<0.0004	2.90 ± 0.0640	1.80 ± 0.0640	0.0500 ± 0.000240	<0.0002	1.10 ± 0.00270	0.00736 ± 0.0000300
K2-04S	4/11/06	<0.0004	3.70 ± 0.0310	2.10 ± 0.0280	0.0730 ± 0.000580	<0.0003	1.60 ± 0.0120	0.00721 ± 0.0000220
NC2-05	5/15/06	<0.0004	12.0 ± 0.490	7.00 ± 0.480	0.220 ± 0.00280	<0.007	5.30 ± 0.0570	0.00650 ± 0.0000430
NC2-05A	5/15/06	0.000780 ± 0.00000740	4.50 ± 0.0520	2.80 ± 0.0520	0.0750 ± 0.000550	<0.00062	1.70 ± 0.00740	0.00707 ± 0.0000410
NC2-06	5/15/06	<0.0004	2.70 ± 0.0180	1.80 ± 0.0180	0.0440 ± 0.000310	<0.00018	0.950 ± 0.00550	0.00727 ± 0.0000290
NC2-06A	5/15/06	<0.0004	0.830 ± 0.00620	0.430 ± 0.00610	0.0130 ± 0.0000530	<0.007	0.380 ± 0.00110	0.00516 ± 0.0000160
NC2-06A	11/16/06	<0.0004	0.660 ± 0.0110	0.350 ± 0.0100	0.0100 ± 0.000130	<0.007	0.300 ± 0.00320	0.00522 ± 0.0000390
NC2-09	5/15/06	<0.0004	<0.0627	<0.062	0.000810 ± 0.00000400	<0.007	0.0180 ± 0.0000300	0.00687 ± 0.0000320
NC2-10	5/1/06	<0.0004	5.30 ± 0.240	3.50 ± 0.240	0.0810 ± 0.000880	<0.00033	1.70 ± 0.00760	0.00728 ± 0.0000720
NC2-11D	4/25/06	<0.0004	5.20 ± 0.0880	3.20 ± 0.0870	0.0890 ± 0.000580	<0.00037	1.90 ± 0.00510	0.00725 ± 0.0000430
NC2-11D	10/19/06	<0.0004	5.00 ± 0.0840	3.10 ± 0.0840	0.0860 ± 0.000490	<0.00035	1.80 ± 0.00460	0.00724 ± 0.0000380
NC2-11I	5/10/06	<0.0004	4.00 ± 0.0240	2.60 ± 0.0240	0.0670 ± 0.000430	<0.00028	1.40 ± 0.00540	0.00728 ± 0.0000380
NC2-11S	5/10/06	<0.0004	4.00 ± 0.0470	2.50 ± 0.0460	0.0670 ± 0.000490	<0.00028	1.40 ± 0.00840	0.00723 ± 0.0000320
NC2-12D	4/27/06	<0.0004	3.60 ± 0.0230	2.20 ± 0.0220	0.0620 ± 0.000340	<0.00026	1.30 ± 0.00530	0.00723 ± 0.0000270
NC2-12D	10/25/06	<0.0004	3.40 ± 0.0780	2.10 ± 0.0780	0.0610 ± 0.000760	<0.00025	1.30 ± 0.00390	0.00738 ± 0.0000900
NC2-12D	10/25/06 DUP	<0.0004	3.50 ± 0.0420	2.10 ± 0.0420	0.0620 ± 0.000490	<0.00025	1.30 ± 0.00690	0.00728 ± 0.0000440
NC2-12I	5/1/06	<0.0004	3.60 ± 0.0600	2.20 ± 0.0600	0.0600 ± 0.000610	<0.00031	1.30 ± 0.00600	0.00725 ± 0.0000650
NC2-12S	5/1/06	<0.0004	4.20 ± 0.110	2.80 ± 0.110	0.0670 ± 0.000660	<0.00027	1.40 ± 0.0110	0.00738 ± 0.0000470
NC2-13	5/15/06	0.00110 ± 0.0000180	5.30 ± 0.0590	3.30 ± 0.0590	0.0900 ± 0.000430	<0.00037	1.90 ± 0.00550	0.00730 ± 0.0000290
NC2-14S	4/25/06	<0.0004	2.40 ± 0.0310	1.30 ± 0.0300	0.0450 ± 0.000310	<0.00019	0.990 ± 0.00420	0.00712 ± 0.0000380
NC2-14S	04/25/06 DUP	0.000510 ± 0.00000520	2.30 ± 0.0160	1.30 ± 0.0160	0.0450 ± 0.000300	<0.00019	0.990 ± 0.00380	0.00714 ± 0.0000390
NC2-15	12/7/06	<0.0004	2.90 ± 0.0260	1.80 ± 0.0240	0.0470 ± 0.000540	<0.0002	1.00 ± 0.0100	0.00721 ± 0.0000410
NC2-16	5/18/06	<0.0004	1.50 ± 0.0190	0.900 ± 0.0190	0.0240 ± 0.0000930	<0.007	0.620 ± 0.00180	0.00608 ± 0.0000160
NC2-17	5/22/06	<0.0004	3.40 ± 0.0400	2.00 ± 0.0400	0.0610 ± 0.000300	<0.00025	1.30 ± 0.00440	0.00727 ± 0.0000270
NC2-18	5/15/06	<0.0004	3.00 ± 0.0390	1.70 ± 0.0390	0.0590 ± 0.000340	<0.00024	1.30 ± 0.00470	0.00733 ± 0.0000320
NC2-19	5/22/06	0.000660 ± 0.0000120	7.10 ± 0.0470	4.10 ± 0.0460	0.130 ± 0.000790	<0.00055	2.80 ± 0.0110	0.00724 ± 0.0000330
NC2-20	5/22/06	0.00230 ± 0.0000180	5.30 ± 0.0680	3.00 ± 0.0670	0.100 ± 0.000470	<0.00042	2.20 ± 0.00810	0.00725 ± 0.0000200
NC2-21	5/22/06	<0.0004	3.90 ± 0.0250	2.30 ± 0.0250	0.0720 ± 0.000340	<0.0003	1.60 ± 0.00480	0.00725 ± 0.0000250
NC7-10	5/16/06	<0.0004	3.00 ± 0.0380	1.80 ± 0.0370	0.0510 ± 0.000350	<0.007	1.20 ± 0.00620	0.00675 ± 0.0000290
NC7-11	5/16/06	<0.0004	3.30 ± 0.0420	1.90 ± 0.0420	0.0600 ± 0.000220	<0.007	1.40 ± 0.00280	0.00683 ± 0.0000210
NC7-15	5/17/06	0.000420 ± 0.00000350	2.40 ± 0.0320	1.30 ± 0.0320	0.0490 ± 0.000240	<0.0002	1.10 ± 0.00350	0.00724 ± 0.0000270
NC7-19	6/1/06	<0.0004	4.50 ± 0.0310	2.40 ± 0.0310	0.0930 ± 0.000270	<0.00039	2.00 ± 0.00460	0.00721 ± 0.0000130
NC7-27	6/1/06	<0.0004	3.50 ± 0.0240	2.00 ± 0.0240	0.0690 ± 0.000410	<0.00029	1.50 ± 0.00570	0.00722 ± 0.0000330
NC7-28	1/31/06	<0.0004	19.0 ± 0.220	3.90 ± 0.170	0.230 ± 0.00400	0.0910 ± 0.0000500	15.0 ± 0.140	0.00232 ± 0.0000350
NC7-28	5/18/06	<0.0004	17.0 ± 0.620	3.40 ± 0.610	0.210 ± 0.00260	0.0730 ± 0.000550	13.0 ± 0.0680	0.00239 ± 0.0000270
NC7-28	8/28/06	<0.0004	18.0 ± 0.220	4.10 ± 0.210	0.210 ± 0.00110	0.0820 ± 0.0000580	14.0 ± 0.0470	0.00240 ± 0.00000900
NC7-28	10/19/06	<0.0004	19.0 ± 0.240	4.40 ± 0.230	0.220 ± 0.00330	0.0840 ± 0.0000710	15.0 ± 0.0660	0.00239 ± 0.0000330
NC7-29	4/26/06	<0.0004	16.0 ± 0.320	9.00 ± 0.320	0.330 ± 0.00240	<0.0014	7.00 ± 0.0320	0.00727 ± 0.0000420
NC7-43	5/18/06	<0.0004	1.80 ± 0.0300	0.770 ± 0.0300	0.0250 ± 0.000190	<0.007	0.970 ± 0.00470	0.00406 ± 0.0000220
NC7-44	5/22/06	<0.0004	1.60 ± 0.00880	1.00 ± 0.00870	0.0240 ± 0.0000530	<0.0001	0.520 ± 0.00100	0.00720 ± 0.00000700
NC7-46	4/26/06	0.000840 ± 0.00000810	0.0730 ± 0.00380	<0.062	0.00130 ± 0.0000160	<0.000019	0.0270 ± 0.000130	0.00724 ± 0.0000830
NC7-54	5/23/06	<0.0004	3.30 ± 0.0550	1.80 ± 0.0530	0.0570 ± 0.000680	<0.007	1.50 ± 0.0160	0.00592 ± 0.0000300
NC7-54	12/8/06	<0.0004	3.70 ± 0.0540	2.00 ± 0.0530	0.0660 ± 0.000520	<0.007	1.70 ± 0.0110	0.00611 ± 0.0000290

Table B-29. Building 850 OU uranium and thorium isotopes by mass spectrometry in ground and surface water.

Location	Date	Thorium 232 (pCi/L)	Uranium (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
NC7-56	5/2/06	0.00290 ± 0.0000540	4.10 ± 0.0310	2.30 ± 0.0300	0.0820 ± 0.000680	<0.00034	1.80 ± 0.00940	0.00729 ± 0.0000460
NC7-58	4/25/06	<0.0004	3.70 ± 0.0510	2.00 ± 0.0500	0.0730 ± 0.000470	<0.00049	1.60 ± 0.00960	0.00713 ± 0.0000160
NC7-59	5/2/06	<0.0004	3.70 ± 0.0750	2.00 ± 0.0740	0.0750 ± 0.000920	<0.00049	1.60 ± 0.0110	0.00724 ± 0.0000740
NC7-60	6/1/06	0.000690 ± 0.00000420	1.00 ± 0.00670	0.590 ± 0.00650	0.0180 ± 0.0000950	<0.007	0.390 ± 0.00170	0.00716 ± 0.0000210
NC7-61	1/5/06	<0.0004	4.60 ± 0.0460	2.20 ± 0.0430	0.0670 ± 0.000600	0.00830 ± 0.0000220	2.40 ± 0.0160	0.00432 ± 0.0000270
NC7-61	5/2/06	0.000450 ± 0.00000670	4.90 ± 0.0770	2.30 ± 0.0770	0.0700 ± 0.000580	0.00910 ± 0.0000180	2.50 ± 0.00730	0.00432 ± 0.0000330
NC7-61	05/02/06 DUP	<0.0004	4.90 ± 0.0430	2.30 ± 0.0410	0.0720 ± 0.000500	0.00950 ± 0.0000170	2.60 ± 0.0130	0.00435 ± 0.0000200
NC7-61	7/10/06	<0.0004	5.20 ± 0.0460	2.40 ± 0.0440	0.0750 ± 0.000440	0.00960 ± 0.0000130	2.70 ± 0.0150	0.00424 ± 0.00000900
NC7-61	10/2/06	<0.0004	5.20 ± 0.130	2.40 ± 0.130	0.0780 ± 0.000540	0.00940 ± 0.0000210	2.70 ± 0.0140	0.00440 ± 0.0000200
NC7-62	5/2/06	<0.0004	3.90 ± 0.0540	2.20 ± 0.0530	0.0790 ± 0.000790	<0.00033	1.70 ± 0.0110	0.00727 ± 0.0000560
NC7-69	5/4/06	<0.0004	<0.0627	<0.062	0.000650 ± 0.00000510	<0.007	0.0160 ± 0.0000630	0.00634 ± 0.0000430
NC7-69	10/17/06	<0.0004	0.0660 ± 0.00310	<0.062	0.000680 ± 0.0000140	<0.00013	0.0160 ± 0.0000890	0.00656 ± 0.000132
NC7-69	10/17/06 DUP	<0.0004	0.0770 ± 0.00340	<0.062	0.00110 ± 0.0000210	<0.000076	0.0230 ± 0.000190	0.00721 ± 0.000127
NC7-70	2/8/06	0.000770 ± 0.00000860	2.20 ± 0.0180	1.40 ± 0.0170	0.0320 ± 0.000300	<0.007	0.790 ± 0.00640	0.00640 ± 0.0000280
NC7-70	5/23/06	<0.0004	2.10 ± 0.0120	1.40 ± 0.0120	0.0310 ± 0.000150	<0.007	0.750 ± 0.00200	0.00644 ± 0.0000270
NC7-70	8/28/06	0.000830 ± 0.00000990	2.20 ± 0.0250	1.40 ± 0.0250	0.0320 ± 0.000160	<0.007	0.790 ± 0.00360	0.00635 ± 0.0000140
NC7-70	11/28/06	<0.0004	2.40 ± 0.0390	1.50 ± 0.0390	0.0350 ± 0.000250	<0.00079	0.830 ± 0.00390	0.00661 ± 0.0000340
NC7-71	2/8/06	<0.0004	<0.0627	<0.032	0.000470 ± 0.0000110	<0.007	0.0170 ± 0.000120	0.00430 ± 0.0000940
NC7-71	5/23/06	<0.0004	<0.0627	<0.042	<0.00035	<0.00013	0.00760 ± 0.000120	<0.007049
NC7-71	8/28/06	<0.0004	<0.0627	<0.041	0.000560 ± 0.0000150	<0.00014	0.0120 ± 0.000250	0.00714 ± 0.000133
NC7-71	10/19/06	<0.0004	<0.0627	<0.035	0.000300 ± 0.00000890	<0.000074	0.00700 ± 0.0000720	0.00674 ± 0.000186
NC7-72	5/2/06	<0.0004	3.80 ± 0.0500	2.10 ± 0.0500	0.0730 ± 0.000620	<0.007	1.60 ± 0.00760	0.00707 ± 0.0000510
NC7-73	5/2/06	0.00910 ± 0.0000500	4.10 ± 0.0820	2.20 ± 0.0820	0.0840 ± 0.000540	<0.00057	1.80 ± 0.00380	0.00721 ± 0.0000440
NC7-76	5/18/06	<0.0004	4.10 ± 0.0280	2.10 ± 0.0280	0.0840 ± 0.000210	<0.00035	1.80 ± 0.00150	0.00712 ± 0.0000170
W-850-05	5/24/06	<0.0004	0.150 ± 0.00390	0.0960 ± 0.00380	0.00220 ± 0.0000380	<0.007	0.0500 ± 0.000660	0.00685 ± 0.0000760
W-850-05	8/28/06	<0.0004	0.160 ± 0.00830	0.110 ± 0.00830	0.00210 ± 0.0000400	<0.0003	0.0500 ± 0.000260	0.00649 ± 0.000118
W-850-05	10/19/06	<0.0004	0.160 ± 0.00420	0.100 ± 0.00420	0.00230 ± 0.00000890	<0.00019	0.0570 ± 0.000130	0.00618 ± 0.0000200
W-850-2145	3/28/06	<0.0004	4.40 ± 0.0530	2.50 ± 0.0530	0.0810 ± 0.000360	<0.00034	1.70 ± 0.00300	0.00718 ± 0.0000290
W-PIT7-16	5/18/06	<0.0004	0.290 ± 0.00300	0.190 ± 0.00300	0.00400 ± 0.0000160	<0.007	0.0890 ± 0.000350	0.00700 ± 0.00000600
W-865-1802	4/3/06	<0.0004	1.60 ± 0.0240	1.00 ± 0.0240	0.0240 ± 0.0000930	<0.000098	0.510 ± 0.00130	0.00726 ± 0.0000220
W-865-1803	4/12/06	0.00200 ± 0.0000390	3.00 ± 0.0460	1.90 ± 0.0460	0.0450 ± 0.000340	<0.00019	0.980 ± 0.00550	0.00721 ± 0.0000360
W-865-2005	2/24/06	0.00180 ± 0.0000180	2.30 ± 0.0200	1.60 ± 0.0200	0.0280 ± 0.000170	<0.00028	0.610 ± 0.00230	0.00717 ± 0.0000330
W-865-2005	6/8/06	0.000570 ± 0.00000420	2.30 ± 0.0200	1.60 ± 0.0200	0.0280 ± 0.000140	<0.007	0.590 ± 0.00270	0.00731 ± 0.0000140
SPRING24	4/10/06	0.0250 ± 0.000210	1.30 ± 0.0140	0.800 ± 0.0140	0.0200 ± 0.0000870	<0.007	0.440 ± 0.00100	0.00689 ± 0.0000260
W8SPRNG	6/6/06	0.00280 ± 0.0000320	3.90 ± 0.0550	2.10 ± 0.0540	0.0690 ± 0.000590	<0.007	1.70 ± 0.00980	0.00619 ± 0.0000400

Table B-30. Building 850 OU uranium and thorium isotopes by alpha spectrometry in ground water.

Location	Date	Thorium 228 (pCi/L)	Thorium 230 (pCi/L)	Thorium 232 (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
K1-01C	1/4/06	<0.25	<0.15	<0.15	2.36 ± 0.310	<0.1	1.12 ± 0.170
K1-01C	4/10/06	<0.25	<0.15	<0.15	2.53 ± 0.330	<0.1	1.08 ± 0.170
K1-01C	7/10/06	<0.25	<0.15	<0.15	2.28 ± 0.290	<0.1	1.02 ± 0.160
K1-01C	10/5/06	<0.25	<0.15	<0.15	2.29 ± 0.260	<0.1	1.08 ± 0.130
K1-01C	10/05/06 DUP	<0.25	<0.15	<0.15	2.44 ± 0.290	<0.1	1.12 ± 0.150
K1-02B	1/3/06	<0.25	<0.15	<0.15	1.94 ± 0.260	<0.1	1.21 ± 0.180
K1-02B	4/12/06	<0.25	<0.15	<0.15	9.22 ± 1.00	0.440 ± 0.0900	8.54 ± 0.930
K1-02B	04/12/06 DUP	<0.25	<0.15	<0.15	2.15 ± 0.280	<0.1	1.11 ± 0.160
K1-02B	7/5/06	<0.25	<0.15	<0.15	1.88 ± 0.230	<0.1	1.16 ± 0.150
K1-02B	08/01/06 REX	-	-	-	2.08 ± 0.290	<0.1	1.08 ± 0.180
K1-02B	08/09/06 REX	-	-	-	2.14 ± 0.270	<0.1	1.22 ± 0.170
K1-02B	10/4/06	<0.25	<0.15	<0.15	1.96 ± 0.230	<0.1	1.16 ± 0.140
K1-03	1/3/06	<0.25	<0.15	<0.15	1.15 ± 0.170	<0.1	0.580 ± 0.100
K1-03	4/6/06	<0.25 LO	<0.15 LO	<0.15	0.865 ± 0.234 LO	<0.1 LO	0.751 ± 0.213
K1-03	7/5/06	<0.25	<0.15	<0.15	1.10 ± 0.150	<0.1	0.642 ± 0.0960
K1-03	10/4/06	<0.25	<0.15	<0.15	1.11 ± 0.140	<0.1	0.550 ± 0.0840
K1-04	1/10/06	<0.25	<0.15	<0.15	1.10 ± 0.150	<0.1	0.694 ± 0.100
K1-04	4/4/06	<0.25 LO	<0.15 LO	<0.15	0.940 ± 0.295 LO	<0.1 LO	0.697 ± 0.244
K1-04	7/5/06	<0.25	<0.15	<0.15	1.22 ± 0.160	<0.1	0.588 ± 0.0900
K1-04	10/4/06	<0.25	<0.15	<0.15	1.31 ± 0.160	<0.1	0.589 ± 0.0840
K1-05	1/5/06	<0.25	<0.15	<0.15	1.70 ± 0.230	<0.1	0.966 ± 0.150
K1-05	4/6/06	<0.25	<0.15	<0.15	1.69 ± 0.230	<0.1	0.923 ± 0.140
K1-05	7/11/06	<0.25	<0.15	<0.15	1.79 ± 0.230	<0.1	0.899 ± 0.130
K1-05	10/3/06	<0.25	<0.15	<0.15	1.94 ± 0.250	<0.1	0.914 ± 0.140
K1-07	1/17/06	<0.25	<0.15	<0.15	1.70 ± 0.220	<0.1	0.883 ± 0.130
K1-07	4/11/06	<0.25	<0.15	<0.15	1.80 ± 0.230	<0.1	0.846 ± 0.130
K1-07	7/6/06	<0.25	<0.15	<0.15	1.85 ± 0.220	<0.1	0.793 ± 0.110
K1-07	07/06/06 DUP	<0.25	<0.15	<0.15	1.79 ± 0.220	<0.1	0.802 ± 0.110
K1-07	10/10/06	<0.25	<0.15	<0.15	1.79 ± 0.240	<0.1	0.753 ± 0.130
K1-08	1/18/06	<0.25	<0.15	<0.15	1.93 ± 0.240	<0.1	0.921 ± 0.130
K1-08	01/18/06 DUP	<0.25	<0.15	<0.15	1.96 ± 0.250	<0.1	0.854 ± 0.130
K1-08	4/11/06	<0.25	<0.15	<0.15	1.99 ± 0.260	<0.1	0.944 ± 0.140
K1-08	7/10/06	<0.25	<0.15	<0.15	1.84 ± 0.260	<0.1	1.02 ± 0.170
K1-08	10/3/06	<0.25	<0.15	<0.15	1.80 ± 0.230	<0.1	0.914 ± 0.140
K1-09	1/19/06	<0.25	<0.15	<0.15	1.80 ± 0.230	<0.1	0.857 ± 0.140
K1-09	4/12/06	<0.25	<0.15	<0.15	1.80 ± 0.230	<0.1	0.841 ± 0.130
K1-09	7/11/06	<0.25	<0.15	<0.15	2.08 ± 0.260	<0.1	1.00 ± 0.140
K1-09	10/3/06	<0.25	<0.15	<0.15	1.95 ± 0.250	<0.1	0.974 ± 0.150
K2-04D	4/10/06	-	-	-	1.65 ± 0.220	<0.1	1.07 ± 0.150
K2-04S	4/11/06	-	-	-	1.86 ± 0.250	<0.1	1.50 ± 0.210
NC2-11D	4/25/06	-	-	-	3.05 ± 0.370	<0.1	1.80 ± 0.240
NC2-12D	4/27/06	-	-	-	2.03 ± 0.260	<0.1	1.25 ± 0.180
NC7-61	5/2/06	-	-	-	2.12 ± 0.280	<0.1	2.58 ± 0.330
NC7-61	05/02/06 DUP	-	-	-	2.16 ± 0.280	<0.1	2.48 ± 0.310
NC7-69	5/4/06	-	-	-	<0.1	<0.1	<0.1

Table B-31. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
W-PIT1-2209	9/27/06	<2	4.04 ± 1.10	<100
K1-01C	1/4/06	<2	3.96 ± 0.980	646 ± 81.0
K1-01C	4/10/06	<2	3.79 ± 1.40	679 ± 100
K1-01C	7/10/06	<2	3.25 ± 0.990	700 ± 96.0
K1-01C	10/5/06	<2	4.62 ± 1.50	745 ± 110
K1-01C	10/05/06 DUP	<2	3.28 ± 1.00	705 ± 100
K1-02A	4/13/06	-	-	<100
K1-02B	1/3/06	<2	4.35 ± 1.10	3930 ± 400
K1-02B	4/12/06	<2	3.35 ± 1.40	4010 ± 410
K1-02B	04/12/06 DUP	<2	3.15 ± 1.30	3840 ± 390
K1-02B	7/5/06	<2	<3	3970 ± 410
K1-02B	10/4/06	<2	3.39 ± 1.10	3950 ± 410
K1-03	1/3/06	<2	3.72 ± 0.960	891 ± 100
K1-03	4/3/06	-	-	1110 ± 140
K1-03	4/6/06	<2	3.33 ± 1.08	-
K1-03	7/5/06	<2	3.57 ± 1.50	897 ± 110
K1-03	10/4/06	<2	3.20 ± 1.00	905 ± 110
K1-04	1/10/06	<2	4.15 ± 1.50	189 ± 59.0
K1-04	4/4/06	2.02 ± 0.728	3.15 ± 0.957	269 ± 67.0
K1-04	7/5/06	<2	3.24 ± 1.50	162 ± 60.0
K1-04	10/4/06	<2	3.93 ± 1.10	263 ± 63.0
K1-05	1/5/06	<2	3.59 ± 0.940	166 ± 63.0
K1-05	4/6/06	<2	3.90 ± 1.50	146 ± 60.0
K1-05	7/11/06	<2	3.41 ± 1.30	151 ± 57.0
K1-05	10/3/06	<2	3.78 ± 1.10	159 ± 62.0
K1-06	1/17/06	-	-	3420 ± 350
K1-06	6/8/06	-	-	3150 ± 340
K1-06	10/10/06	-	-	3260 ± 340
K1-07	1/17/06	<2	3.12 ± 0.980	<100
K1-07	4/11/06	<2	3.52 ± 1.10	<100
K1-07	7/6/06	<2	3.36 ± 1.00	<100
K1-07	07/06/06 DUP	<2	<3	<100
K1-07	10/10/06	<2	<3	<100
K1-08	1/18/06	<2	4.02 ± 1.10	189 ± 63.0
K1-08	01/18/06 DUP	2.11 ± 1.30	3.47 ± 1.60	206 ± 65.0
K1-08	4/11/06	<2	<3	204 ± 64.0
K1-08	7/10/06	<2	3.53 ± 1.10	200 ± 59.0
K1-08	10/3/06	2.01 ± 1.20	3.16 ± 1.00	137 ± 63.0
K1-09	1/19/06	<2	3.77 ± 1.10	150 ± 49.0
K1-09	4/12/06	<2	3.72 ± 1.10	153 ± 56.0
K1-09	7/11/06	<2	3.13 ± 1.30	130 ± 57.0
K1-09	10/3/06	<2	<3	128 ± 62.0
K2-03	4/10/06	-	-	<100
K2-03	11/10/06	-	-	<100
K2-04D	2/21/06	-	-	5240 ± 580

Table B-31. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
K2-04D	4/10/06	<2	3.10 ± 1.50	5640 ± 580
K2-04D	8/10/06	-	-	5250 ± 560
K2-04D	10/10/06	<2	<3	4890 ± 500
K2-04D	10/10/06 DUP	<2	3.07 ± 1.30	4850 ± 500
K2-04S	2/21/06	-	-	12400 ± 1400
K2-04S	4/11/06	<2	3.65 ± 1.30	12000 ± 1200
K2-04S	8/10/06	-	-	10600 ± 1100
K2-04S	08/10/06 DUP	-	-	11200 ± 420
K2-04S	10/10/06	<2	3.06 ± 1.10	10700 ± 1100
NC2-05	5/15/06	-	-	<100
NC2-05	11/10/06	-	-	<100
NC2-05A	5/15/06	-	-	4580 ± 490
NC2-05A	11/17/06	-	-	4410 ± 450
NC2-06	5/15/06	-	-	4230 ± 460
NC2-06	11/16/06	-	-	4500 ± 460
NC2-06A	5/15/06	-	-	<100
NC2-06A	11/16/06	-	-	<100
NC2-09	5/15/06	-	-	<100
NC2-09	11/17/06	-	-	<100
NC2-10	5/1/06	-	-	291 ± 65.0
NC2-10	11/17/06	-	-	352 ± 72.0
NC2-11D	4/25/06	<2	5.51 ± 1.40	3750 ± 390
NC2-11D	10/19/06	2.50 ± 1.70	4.27 ± 1.20	3700 ± 400
NC2-11I	5/10/06	-	-	3950 ± 430
NC2-11I	11/10/06	-	-	3900 ± 420
NC2-11S	5/10/06	-	-	4660 ± 500
NC2-11S	11/10/06	-	-	4450 ± 480
NC2-12D	4/27/06	2.31 ± 1.30	4.33 ± 1.20	6930 ± 710
NC2-12D	10/25/06	<2	3.32 ± 1.00	6670 ± 680
NC2-12D	10/25/06 DUP	<2	3.72 ± 1.10	6680 ± 680
NC2-12I	5/1/06	-	-	7000 ± 710
NC2-12I	10/27/06	-	-	3000 ± 330
NC2-12S	5/1/06	-	-	5560 ± 570
NC2-12S	10/27/06	-	-	6680 ± 710
NC2-13	5/15/06	-	-	5220 ± 560
NC2-13	05/15/06 DUP	-	-	5770 ± 521
NC2-13	11/17/06	-	-	4850 ± 500
NC2-13	11/17/06 DUP	-	-	4870 ± 500
NC2-14S	4/25/06	-	-	6180 ± 660
NC2-14S	04/25/06 DUP	-	-	5970 ± 640
NC2-14S	10/25/06	-	-	5090 ± 520
NC2-15	2/17/06	-	-	5660 ± 600
NC2-15	9/19/06	-	-	5430 ± 550
NC2-15	12/7/06	-	-	5260 ± 540
NC2-16	5/18/06	-	-	1450 ± 170

Table B-31. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
NC2-16	10/27/06	-	-	1480 ± 170
NC2-17	2/17/06	-	-	11500 ± 1200
NC2-17	5/22/06	-	-	11200 ± 1200
NC2-17	11/17/06	-	-	10900 ± 1100
NC2-18	2/22/06	-	-	17400 ± 1900 O
NC2-18	02/22/06 DUP	-	-	16500 ± 517
NC2-18	5/15/06	-	-	16900 ± 1700
NC2-18	12/8/06	-	-	16600 ± 1700
NC2-18	12/08/06 DUP	-	-	17200 ± 464
NC2-19	5/22/06	-	-	<100
NC2-19	12/8/06	-	-	<100
NC2-20	5/22/06	-	-	<100
NC2-20	12/8/06	-	-	<100
NC2-21	5/22/06	-	-	<100
NC2-21	12/8/06	-	-	<100
NC7-10	5/16/06	-	-	17000 ± 1800
NC7-10	10/17/06	-	-	15600 ± 1600
NC7-11	5/16/06	-	-	14700 ± 1600
NC7-11	10/17/06	-	-	16900 ± 1800
NC7-14	5/17/06	-	-	1580 ± 180
NC7-15	5/17/06	-	-	882 ± 110
NC7-15	05/17/06 DUP	-	-	924 ± 162
NC7-15	10/17/06	-	-	696 ± 100
NC7-19	6/1/06	-	-	5860 ± 600
NC7-19	10/17/06	-	-	5550 ± 590
NC7-27	6/1/06	-	-	14600 ± 1500
NC7-27	11/15/06	-	-	15100 ± 1500
NC7-28	5/18/06	-	-	29000 ± 3000
NC7-28	10/19/06	-	-	29200 ± 3100
NC7-29	4/26/06	-	-	<100
NC7-29	11/15/06	-	-	<100
NC7-43	5/18/06	-	-	18100 ± 1900
NC7-43	10/18/06	-	-	9880 ± 1100
NC7-44	5/22/06	-	-	<100
NC7-44	11/30/06	-	-	<100
NC7-46	4/26/06	-	-	<100
NC7-46	11/15/06	-	-	<100
NC7-54	5/23/06	-	-	16800 ± 1800
NC7-54	12/8/06	-	-	17400 ± 1800
NC7-56	5/2/06	-	-	11500 ± 1200
NC7-56	10/24/06	-	-	13400 ± 1400
NC7-58	4/25/06	-	-	10600 ± 1100
NC7-58	10/24/06	-	-	11000 ± 1100
NC7-59	5/2/06	-	-	13000 ± 1300
NC7-59	05/02/06 DUP	-	-	13500 ± 453

Table B-31. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
NC7-59	12/8/06	-	-	13200 ± 1400
NC7-60	6/1/06	-	-	1500 ± 170
NC7-60	11/15/06	-	-	1420 ± 160
NC7-61	5/2/06	<2	6.28 ± 1.50	32300 ± 3200
NC7-61	05/02/06 DUP	2.04 ± 1.60	6.10 ± 1.50	31700 ± 3200
NC7-61	10/2/06	3.74 ± 1.70	4.99 ± 1.50	30200 ± 3000
NC7-62	5/2/06	-	-	14400 ± 1400
NC7-62	10/24/06	-	-	13600 ± 1400
NC7-69	5/4/06	<2	4.36 ± 1.20	<100
NC7-69	10/17/06	<2	4.68 ± 1.20	<100
NC7-69	10/17/06 DUP	<2	4.07 ± 1.40	<100
NC7-70	5/23/06	-	-	92700 ± 9700
NC7-70	11/28/06	-	-	64300 ± 6500
NC7-70	11/28/06 DUP	-	-	67700 ± 1760
NC7-71	5/23/06	-	-	744 ± 100
NC7-71	10/19/06	-	-	300 ± 72.0
NC7-72	5/2/06	-	-	12000 ± 1200
NC7-72	10/24/06	-	-	11200 ± 1100
NC7-73	5/2/06	-	-	11400 ± 1200
NC7-73	10/24/06	-	-	11300 ± 1100
NC7-76	1/30/06	-	-	4890 ± 520
NC7-76	5/18/06	-	-	4560 ± 490
NC7-76	10/19/06	-	-	3860 ± 420
W-850-05	5/24/06	-	-	22000 ± 2300
W-850-05	10/19/06	-	-	21000 ± 2200
W-850-2145	3/28/06	<2	5.32 ± 2.40	<100 S
W-850-2145	5/25/06	-	-	9790 ± 1000
W-850-2145	11/6/06	-	-	9520 ± 1000
W-PIT1-02	2/3/06	-	-	467 ± 82.0
W-PIT1-02	5/11/06	-	-	506 ± 83.0
W-PIT1-02	05/11/06 DUP	-	-	594 ± 135
W-PIT1-02	8/10/06	-	-	1040 ± 130
W-PIT1-02	11/6/06	-	-	1280 ± 160
W-PIT7-16	5/18/06	-	-	<100
W-PIT7-16	8/17/06	-	-	<100
W-PIT7-16	12/4/06	-	-	<100
W-865-1802	2/15/06	-	-	176 ± 58.0
W-865-1802	4/3/06	-	-	174 ± 63.0
W-865-1802	04/03/06 DUP	-	-	<200
W-865-1802	8/29/06	-	-	168 ± 58.0
W-865-1802	12/6/06	-	-	216 ± 66.0
W-865-1803	4/12/06	<2	3.83 ± 1.10	2530 ± 270
W-865-1803	12/7/06	<2	4.00 ± 1.10	2680 ± 280
W-865-2005	6/8/06	-	-	<100
SPRING24	2/3/06	-	-	1690 ± 200

Table B-31. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
SPRING24	4/10/06	-	-	820 ± 110
SPRING24	8/30/06	-	-	2070 ± 220
SPRING24	10/18/06	-	-	1870 ± 210
W8SPRNG	2/10/06	-	-	18100 ± 2000
W8SPRNG	6/6/06	-	-	16700 ± 1800
W8SPRNG	12/18/06	-	-	16800 ± 1700
W8SPRNG	12/18/06 DUP	-	-	17000 ± 444

Table B-32. Building 850 OU high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
W-PIT1-2209	9/27/06	<1	<1
W-850-2145	3/28/06	<1	<1
W-865-2005	2/24/06	<1	<1
W-865-2005	6/8/06	<1	<1
W-865-2005	12/14/06	<1	<1

Table B-33. Pit 2 Landfill VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K2-01C	4/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
NC2-08	5/16/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1934	4/11/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1935	4/11/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K2-01C	4/5/06	E601	0 of 18
NC2-08	5/16/06	E601	0 of 18
W-PIT2-1934	4/11/06	E601	0 of 18
W-PIT2-1935	4/11/06	E601	0 of 18

Table B-34. Pit 2 Landfill uranium and thorium isotopes by mass spectrometry and alpha spectrometry in ground water.

Location	Date	Thorium 232 (pCi/L)	Uranium (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
K2-01C	1/4/06	-	-	5.88 ± 0.660	-	0.221 ± 0.0600	-	-	5.97 ± 0.670	-	-
K2-01C	4/5/06	<0.0004	9.60 ± 0.140	4.88 ± 0.590	4.90 ± 0.140	0.152 ± 0.0580	0.180 ± 0.00120	<0.007	4.48 ± 0.550	4.50 ± 0.0170	0.00612 ± 0.0000330
K2-01C	7/17/06	<0.0004	6.80 ± 0.0480	3.70 ± 0.420	3.70 ± 0.0480	0.126 ± 0.0380	0.120 ± 0.000970	<0.007	3.21 ± 0.370	3.00 ± 0.00730	0.00620 ± 0.0000470
K2-01C	7/17/06 DUP	<0.0004	6.90 ± 0.140	3.47 ± 0.400	3.70 ± 0.140	0.164 ± 0.0420	0.120 ± 0.000670	<0.007	3.17 ± 0.360	3.10 ± 0.0120	0.00619 ± 0.0000240
K2-01C	10/18/06	-	-	2.95 ± 0.360	-	0.107 ± 0.0440	-	-	2.67 ± 0.330	-	-
NC2-08	5/16/06	0.000430 ± 0.00000390	2.70 ± 0.0320	-	1.60 ± 0.0320	-	0.0480 ± 0.000210	<0.00038	-	1.00 ± 0.00210	0.00716 ± 0.0000270
NC2-08	8/29/06	0.000400 ± 0.00000410	2.40 ± 0.0280	-	1.40 ± 0.0280	-	0.0410 ± 0.000290	<0.00017	-	0.880 ± 0.00400	0.00728 ± 0.0000400
NC2-08	11/17/06	0.000560 ± 0.00000590	2.50 ± 0.0440	-	1.50 ± 0.0440	-	0.0450 ± 0.000280	<0.00019	-	0.970 ± 0.00330	0.00720 ± 0.0000380
W-PIT2-1934	2/24/06	<0.0004	14.0 ± 0.100	-	7.20 ± 0.0980	-	0.210 ± 0.00130	0.0110 ± 0.0000840	-	6.20 ± 0.0260	0.00530 ± 0.0000250
W-PIT2-1934	4/11/06	<0.0004	13.0 ± 0.180	-	6.80 ± 0.180	-	0.200 ± 0.00190	0.0110 ± 0.0000760	-	5.80 ± 0.0360	0.00533 ± 0.0000380
W-PIT2-1934	8/14/06	<0.0004	12.0 ± 0.170	-	6.30 ± 0.170	-	0.190 ± 0.00100	0.0100 ± 0.0000730	-	5.60 ± 0.0230	0.00527 ± 0.0000190
W-PIT2-1935	2/24/06	<0.0004	<0.0627	-	<0.091	-	0.000870 ± 0.0000130	<0.00075	-	0.0220 ± 0.000110	0.00614 ± 0.0000870
W-PIT2-1935	4/11/06	<0.0004	1.10 ± 0.0180	-	0.690 ± 0.0180	-	0.0170 ± 0.000120	<0.007	-	0.400 ± 0.000790	0.00669 ± 0.0000440
W-PIT2-1935	8/14/06	<0.0004	5.10 ± 0.0610	-	3.20 ± 0.0600	-	0.0810 ± 0.000700	<0.0016	-	1.90 ± 0.0110	0.00673 ± 0.0000420

Table B-35. Pit 2 Landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K2-01C	4/5/06	21 D	<4
K2-01C	7/17/06	-	<4 L
K2-01C	7/17/06 DUP	-	<4 L
NC2-08	5/16/06	38	5.6
NC2-08	8/29/06	-	4.3
W-PIT2-1934	4/11/06	32 D	<4
W-PIT2-1934	8/14/06	-	<4
W-PIT2-1934	12/7/06	-	<4
W-PIT2-1935	4/11/06	30 D	<4
W-PIT2-1935	8/14/06	-	<4
W-PIT2-1935	8/14/06 DUP	-	<4
W-PIT2-1935	12/7/06	-	<4

Table B-36. Pit 2 Landfill high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
K2-01C	4/5/06	<1	<1
NC2-08	5/16/06	<5	<5
W-PIT2-1934	4/11/06	<1	<1
W-PIT2-1935	4/11/06	<1	<1

Table B-37. Pit 2 Landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K2-01C	1/4/06	2720 ± 280
K2-01C	4/5/06	4100 ± 460
K2-01C	7/17/06	5480 ± 590
K2-01C	7/17/06 DUP	5580 ± 600
K2-01C	10/18/06	6220 ± 690
NC2-08	2/15/06	9460 ± 960
NC2-08	2/15/06 DUP	26500 ± 699
NC2-08	5/16/06	8490 ± 900
NC2-08	8/29/06	7780 ± 790
NC2-08	11/17/06	8230 ± 830
W-PIT2-1934	2/24/06	1150 ± 140
W-PIT2-1934	4/11/06	1230 ± 140
W-PIT2-1934	8/14/06	1150 ± 140
W-PIT2-1934	12/7/06	1180 ± 140
W-PIT2-1935	2/24/06	1320 ± 150
W-PIT2-1935	4/11/06	1660 ± 180
W-PIT2-1935	8/14/06	2170 ± 230
W-PIT2-1935	8/14/06 DUP	2030 ± 162
W-PIT2-1935	12/7/06	2660 ± 280

Table B-38. Pit 2 Landfill fluoride in ground water.

Location	Date	Fluoride (mg/L)
K2-01C	4/5/06	0.14
NC2-08	5/16/06	0.23
W-PIT2-1934	4/11/06	0.16
W-PIT2-1935	4/11/06	<0.05

Table B-39. Pit 2 Landfill metals in ground water.

Constituents of concern	K2-01C	NC2-08	W-PIT2-1934	W-PIT2-1935
	4/5/06	5/16/06	4/11/06	4/11/06
Antimony (mg/L)	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.0067	0.0097	0.0086	<0.005
Barium (mg/L)	0.05 L	0.05 L	0.03 L	0.9 DL
Beryllium (mg/L)	<0.01 DL	<0.002 D	<0.002 L	<0.002 L
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005
Chromium (mg/L)	<0.01	<0.01	<0.01	0.05
Cobalt (mg/L)	<0.02	<0.02	<0.02	<0.02
Copper (mg/L)	0.02	<0.01	<0.01	<0.01
Lead (mg/L)	<0.003	<0.003	<0.003	<0.003
Lithium (mg/L)	0.0176	0.0214	0.141	0.0183
Mercury (mg/L)	<0.0002	<0.0002 L	<0.0002	<0.0002
Molybdenum (mg/L)	<0.02	<0.02	<0.02	<0.02
Nickel (mg/L)	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	<0.005	<0.005	<0.005	<0.005
Thallium (mg/L)	<0.005	<0.005	<0.005	<0.005
Thorium (mg/L)	<0.0005 E	<0.0005 E	0.0027	<0.0005
Uranium (mg/L)	0.0159	0.00346	<0.00027	0.0207
Vanadium (mg/L)	0.06 L	0.06 L	0.07	0.02
Zinc (mg/L)	<0.02	0.02	<0.02	<0.02

Table B-40. Building 854 OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-854-2218	9/20/06	E624	57	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-854-2218	10/4/06	E601	64	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-01	5/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-01	12/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	1/4/06	E601	180 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	4/5/06	E601	180 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	7/6/06	E601	160 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	10/4/06	E601	88 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-03	7/6/06	E601	54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-03	10/3/06	E601	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-04	6/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-04	12/15/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-05	5/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-05	11/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-06	5/30/06	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-06	12/20/06	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-07	5/30/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-07	12/21/06	E601	35	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-08	5/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-08	11/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-09	5/31/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-09	10/17/06	E601	7.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-09	10/17/06 DUP	E601	8.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	6/12/06	E601	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	12/15/06	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	12/15/06 DUP	E601	14	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-13	6/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-13	12/19/06	E601	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-14	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-15	6/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-15	11/22/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-17	6/6/06	E601	8.4	<0.5	13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-17	10/4/06	E601	1.1	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-18A	6/6/06	E601	22	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-18A	10/4/06	E601	34	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-45	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-45	10/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1701	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1701	12/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1707	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1707	10/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1731	6/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1731	10/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1822	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1822	12/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1823	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1823	12/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1902	6/7/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1902	12/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-2115	3/1/06	E624	1.2 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
W-854-2115	12/21/06	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-2139	2/28/06	E624	59 H	<0.5 H	0.6 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
W-854-2139	7/12/06	E601	34	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5
W-854-2139	7/20/06	E601	39	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-2139	7/26/06	E601	38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-2139	10/17/06	E601	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	3/17/06	E601	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	6/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	9/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	10/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	3/17/06	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	3/17/06 DUP	E601	1.3 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	6/8/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	9/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-40. Building 854 OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
SPRING11	9/14/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	10/17/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING18	6/20/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-40 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)
W-854-2218	9/20/06	E624	0 of 30	-
W-854-2218	10/4/06	E601	0 of 18	-
W-854-01	5/31/06	E601	0 of 18	-
W-854-01	12/15/06	E601	0 of 18	-
W-854-02	1/4/06	E601	0 of 19	-
W-854-02	4/5/06	E601	0 of 18	-
W-854-02	7/6/06	E601	0 of 18	-
W-854-02	10/4/06	E601	0 of 18	-
W-854-03	7/6/06	E601	0 of 18	-
W-854-03	10/3/06	E601	0 of 18	-
W-854-04	6/12/06	E601	0 of 18	-
W-854-04	12/15/06	E601	0 of 18	-
W-854-05	5/31/06	E601	0 of 18	-
W-854-05	11/22/06	E601	0 of 18	-
W-854-06	5/30/06	E601	0 of 18	-
W-854-06	12/20/06	E601	0 of 18	-
W-854-07	5/30/06	E601	0 of 18	-
W-854-07	12/21/06	E601	0 of 18	-
W-854-08	5/31/06	E601	0 of 18	-
W-854-08	11/22/06	E601	0 of 18	-
W-854-09	5/31/06	E601	0 of 18	-
W-854-09	10/17/06	E601	0 of 18	-
W-854-09	10/17/06 DUP	E601	0 of 18	-
W-854-10	6/12/06	E601	0 of 18	-
W-854-10	12/15/06	E601	0 of 18	-
W-854-10	12/15/06 DUP	E601	0 of 18	-
W-854-13	6/14/06	E601	0 of 18	-
W-854-13	12/19/06	E601	0 of 18	-
W-854-14	6/6/06	E601	0 of 18	-
W-854-15	6/12/06	E601	0 of 18	-
W-854-15	11/22/06	E601	0 of 18	-
W-854-17	6/6/06	E601	1 of 18	13
W-854-17	10/4/06	E601	1 of 18	1.6
W-854-18A	6/6/06	E601	0 of 18	-
W-854-18A	10/4/06	E601	0 of 18	-
W-854-45	6/6/06	E601	0 of 18	-
W-854-45	10/17/06	E601	0 of 18	-
W-854-1701	6/7/06	E601	0 of 18	-
W-854-1701	12/20/06	E601	0 of 18	-
W-854-1707	6/7/06	E601	0 of 18	-
W-854-1707	10/17/06	E601	0 of 18	-
W-854-1731	6/6/06	E601	0 of 18	-
W-854-1731	10/17/06	E601	0 of 18	-
W-854-1822	6/7/06	E601	0 of 18	-
W-854-1822	12/20/06	E601	0 of 18	-

Table B-40 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)
W-854-1823	6/7/06	E601	0 of 18	-
W-854-1823	12/20/06	E601	0 of 18	-
W-854-1902	6/7/06	E601	0 of 18	-
W-854-1902	12/20/06	E601	0 of 18	-
W-854-2115	3/1/06	E624	0 of 30	-
W-854-2115	12/21/06	E601	0 of 18	-
W-854-2139	2/28/06	E624	1 of 30	0.6 H
W-854-2139	7/12/06	E601	0 of 18	-
W-854-2139	7/20/06	E601	0 of 18	-
W-854-2139	7/26/06	E601	0 of 18	-
W-854-2139	10/17/06	E601	0 of 18	-
SPRING10	3/17/06	E601	0 of 18	-
SPRING10	6/8/06	E601	0 of 18	-
SPRING10	9/14/06	E601	0 of 18	-
SPRING10	10/17/06	E601	0 of 18	-
SPRING11	3/17/06	E601	0 of 18	-
SPRING11	3/17/06 DUP	E601	0 of 18	-
SPRING11	6/8/06	E601	0 of 18	-
SPRING11	9/14/06	E601	0 of 18	-
SPRING11	9/14/06 DUP	E601	0 of 18	-
SPRING11	10/17/06	E601	0 of 18	-
SPRING18	6/20/06	E601	0 of 18	-

Table B-41. Building 854 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-854-2218	9/20/06	39	<4
W-854-2218	10/4/06	43	<4
W-854-01	5/31/06	<0.1	<4
W-854-02	1/4/06	52	8.5
W-854-02	4/5/06	54	8
W-854-02	7/6/06	52	7.1
W-854-03	6/7/06	47	-
W-854-03	7/6/06	46	12
W-854-03	10/3/06	46	<4
W-854-04	6/12/06	<0.1	<4
W-854-05	5/31/06	68 D	<4
W-854-06	5/30/06	<0.1	<4
W-854-07	5/30/06	34 D	4.1
W-854-08	5/31/06	38 D	<4
W-854-09	5/31/06	44 D	<4
W-854-10	6/12/06	12	<4
W-854-13	6/14/06	1	<4
W-854-14	6/6/06	260 D	<4
W-854-15	6/12/06	11	<4
W-854-17	6/6/06	1.2	<4
W-854-17	10/4/06	17	30
W-854-17	11/29/06	-	6
W-854-18A	6/6/06	22 D	<4
W-854-18A	10/4/06	29	<4
W-854-45	6/6/06	31 D	9.1
W-854-1701	6/7/06	<0.1	<4
W-854-1707	6/7/06	6.7	<4
W-854-1731	6/6/06	0.62	<4
W-854-1822	6/7/06	0.42	<4
W-854-1823	6/7/06	28	18
W-854-1902	6/7/06	4	<4
W-854-2115	3/1/06	<0.1	<4
W-854-2139	2/28/06	23	<4
W-854-2139	7/12/06	24	<4
W-854-2139	7/20/06	26	5
W-854-2139	7/26/06	25	4.3
W-854-2139	10/17/06	11	5.2
SPRING10	6/8/06	17 D	<4
SPRING11	6/8/06	0.39	<4

Table B-42. Building 854 OU metals and silica in ground and surface water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silica (as SiO2) (mg/L)	Silver (mg/L)
W-854-2218	9/20/06	0.078	0.036	-	<0.001	<0.001	<0.005	<0.0002	0.0078	51	<0.001
W-854-2115	3/1/06	<0.002	<0.02 L	-	<0.0005	<0.001	<0.005	<0.0002 L	<0.002	17	<0.001
W-854-2139	2/28/06	0.04	0.03 L	-	<0.0005	0.002 L	<0.005	<0.0002 L	0.02	37	<0.001
SPRING18	6/20/06	0.0097	0.06 J	<0.0004 D	<0.0005	<0.001	<0.005	<0.0002 L	0.007	-	<0.001

Table B-43. Building 854 OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
W-854-2218	9/20/06	<1	<1
W-854-2115	3/1/06	<1	<1
W-854-2139	2/28/06	<1	<1
SPRING18	6/20/06	<1	<1

Table B-44. Building 854 OU general minerals in ground water.

Constituents of concern	W-854-2218 9/20/06 GENMIN	W-854-2115 3/1/06 GENMINDISS	W-854-2139 2/28/06 GENMINDISS
Total Alkalinity (as CaCO3) (mg/L)	260	120 H	110
Aluminum (mg/L)	<0.05	<0.054 L	0.12 BL
Bicarbonate Alk (as CaCO3) (mg/L)	220 D	120 H	110
Calcium (mg/L)	33	28 B	53 L
Carbonate Alk (as CaCO3) (mg/L)	34 D	<10 H	<10
Chloride (mg/L)	110	<0.5	160 D
Copper (mg/L)	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.34	<0.05	0.16
Hydroxide Alk (as CaCO3) (mg/L)	<10 D	<10 H	<10
Iron (mg/L)	<0.05	<0.1	<0.1
Magnesium (mg/L)	24	7.1	33
Manganese (mg/L)	<0.01	<0.03	<0.03 L
Nickel (mg/L)	<0.01	<0.1	<0.1
Nitrate (as N) (mg/L)	8.8	-	-
Nitrate (as NO3) (mg/L)	39	-	-
Nitrite (as N) (mg/L)	<0.5	<0.1 L	<0.1 HL
pH (Units)	7.94	8.1 H	7.9 H
Ortho-Phosphate (mg/L)	0.081	<0.1	<0.1 HL
Total Phosphorus (as P) (mg/L)	0.052	-	-
Total Phosphorus (as PO4) (mg/L)	-	<0.1 H	<0.1 H
Potassium (mg/L)	6.6	8.6 L	13 L
Sodium (mg/L)	140 BO	130 DL	100
Total dissolved solids (TDS) (mg/L)	620 D	520 H	600 H
Specific Conductance (µmhos/cm)	990 H	960 H	1,000 H
Sulfate (mg/L)	85	<1	130 DH
Surfactants (mg/L)	<0.5	<0.5 H	<0.5 H
Total Hardness (as CaCO3) (mg/L)	180	100 H	270
Zinc (mg/L)	<0.01	<0.02	<0.02 L

Table B-45. Building 854 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Thorium 232 (pCi/L)	Tritium (pCi/L)	Uranium (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
W-854-2218	9/20/06	20.7 ± 5.80	10.1 ± 3.50	<0.0004	<100	27.0 ± 0.460	-	17.0 ± 0.460	-	0.460 ± 0.00460	<0.0019	-	9.90 ± 0.0420	0.00721 ± 0.0000650
W-854-2115	3/1/06	<2	6.26 ± 1.50	<0.0004	<100	0.230 ± 0.00870	-	0.170 ± 0.00870	-	0.00270 ± 0.0000270	<0.00027	-	0.0570 ± 0.000280	0.00728 ± 0.0000650
W-854-2139	2/28/06	<2	8.36 ± 1.90	<0.0004	<100	3.90 ± 0.0480	-	2.20 ± 0.0480	-	0.0730 ± 0.000320	<0.0003	-	1.60 ± 0.00230	0.00728 ± 0.0000290
SPRING18	6/20/06	18.1 ± 15.0	19.8 ± 14.0	-	<100	-	22.8 ± 2.40	-	1.14 ± 0.170	-	-	21.2 ± 2.20	-	-

Table B-46. Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-832-2112	3/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-2112	6/26/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-2112	9/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-2112	12/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	1/27/06	E601	5.7 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	01/27/06 DUP	E601	5.6 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	9/11/06	E601	5.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	09/11/06 DUP	E601	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-05	1/27/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-05	01/27/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-05	8/1/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-09	1/26/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-09	7/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-10	1/26/06	E601	92 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-830-10	01/26/06 DUP	E601	85 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-830-10	7/25/06	E601	89 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-11	1/26/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-11	7/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-12	1/26/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-12	7/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-13	1/27/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-13	9/21/06	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-14	1/27/06	E601	1.5	<0.5	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-14	7/25/06	E601	1.9	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-14	07/25/06 DUP	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-15	1/27/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-15	7/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-16	3/8/06	E601	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-830-16	5/11/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-16	8/23/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-16	12/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-17	3/8/06	E601	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-830-17	9/13/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-18	3/6/06	E601	16	<0.5	0.91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-18	7/17/06	E601	8.1	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-18	07/17/06 DUP	E601	8.2	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-19	1/11/06	E601	6,600 BD	9.4	0.64	<0.5	<0.5	1.8	<0.5	2.3	1.3	<0.5	1.4	0.54	<0.5	<0.5
W-830-19	4/11/06	E601	7,300 BD	7.9	0.56	<0.5	<0.5	1.8 B	<0.5	2.1	1.6	<0.5	1.3	0.97	<0.5	<0.5
W-830-19	7/10/06	E601	5,100 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-830-20	1/26/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-20	4/27/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-20	7/6/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-20	10/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-20	10/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-21	3/6/06	E601	100	<0.5	3.7	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-21	7/17/06	E601	1.3	<0.5	56	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-22	3/9/06	E601	9.8	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-22	7/12/06	E601	13 L	<0.5	0.8	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-25	3/9/06	E601	910 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-25	8/28/06	E601	130 LD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-26	3/9/06	E601	3.6	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-26	7/13/06	E601	24	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-27	3/9/06	E601	730 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-27	03/09/06 DUP	E601	550 D	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-27	8/28/06	E601	410 LD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-28	3/9/06	E601	61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-28	8/28/06	E601	34 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-29	3/9/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-29	7/12/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-30	3/9/06	E601	460 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-30	7/11/06	E601	200 D	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-34	3/9/06	E601	1,200 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-34	7/11/06	E601	1,200 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-49	1/26/06	E601	6,000 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D
W-830-49	7/12/06	E601	9,600 DL	11	1.3	<0.5	<0.5	2.3	<0.5	3.2	1.5	<0.5	2	2.7	<0.5	<0.5
W-830-49	9/14/06	E601	5,600 D	4.1	0.96	<0.5	<0.5	2.2	<0.5	2.3	<0.5	<0.5	1.4	0.69	<0.5	<0.5

Table B-46. Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-830-49	9/19/06	E601	6,600 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-830-50	1/26/06	E601	21	<0.5	0.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-50	8/1/06	E601	30 L	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-51	1/25/06	E601	92 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-51	7/10/06	E601	100	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-52	1/25/06	E601	110 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-52	7/10/06	E601	100 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-53	1/25/06	E601	97	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-53	7/10/06	E601	91	<0.5	0.55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-54	3/8/06	E601	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-830-54	8/24/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-55	3/8/06	E601	4.6 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-830-55	8/23/06	E601	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-56	1/27/06	E601	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-56	7/25/06	E601	3.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-57	1/5/06	E601	31	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.57	0.6	<0.5
W-830-57	4/6/06	E601	29	<0.5	<0.5	<0.5	<0.5	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-58	3/9/06	E601	210 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-58	8/28/06	E601	510 LD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-59	1/11/06	E601	2,800 BD	3.5	<0.5	<0.5	<0.5	1.2	<0.5	1	<0.5	<0.5	0.53	<0.5	<0.5	<0.5
W-830-59	4/11/06	E601	3,100 BD	3.4	<0.5	<0.5	<0.5	1.2 B	<0.5	1	0.85	<0.5	0.64	<0.5	<0.5	<0.5
W-830-59	7/10/06	E601	2,700 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-60	1/27/06	E601	32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-60	01/27/06 DUP	E601	31 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-60	7/17/06	E601	32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
W-830-60	11/29/06	E601	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	1/27/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	4/27/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	7/25/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	10/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	10/05/06 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1807	1/11/06	E601	2,600 BD	20	0.62	<0.5	<0.5	0.65	<0.5	2.3	<0.5	<0.5	0.62	<0.5	<0.5	<0.5
W-830-1807	4/11/06	E601	640 BD	1.6	<0.5	<0.5	<0.5	<0.5 B	<0.5	0.98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1807	7/10/06	E601	53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1829	1/27/06	E601	2,900 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-830-1829	7/13/06	E601	2,700 DL	2.8	1.1	<0.5	<0.5	1.1	<0.5	1.3	0.7	<0.5	0.7	0.5	<0.5	<0.5
W-830-1829	9/27/06	E601	1,200 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-1829	10/3/06	E601	780 D	0.89	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1830	1/27/06	E601	1,800 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-830-1830	7/13/06	E601	2,300 DL	2.5	<0.5	<0.5	<0.5	1.4	<0.5	0.9	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
W-830-1831	3/8/06	E601	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-830-1831	6/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1831	8/24/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1831	12/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1832	3/8/06	E601	2.5 O	5.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-830-1832	8/24/06	E601	1.4 L	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2213	3/16/06	E624	570 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<12 DH	<25 DH	<12 DH
W-830-2213	4/27/06	E624	590 D	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-830-2213	8/1/06	E601	640 LD	0.75	0.71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2213	11/7/06	E601	370 D	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2214	5/2/06	E624	570 D	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-830-2214	8/1/06	E601	480 LD	0.59	0.79	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2214	11/1/06	E601	350 D	0.74	0.93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2215	5/2/06	E624	72	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-830-2215	8/1/06	E601	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2215	11/15/06	E601	45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2216	2/13/06	E624	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-2216	9/19/06	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-01	1/25/06	E601	120 BD	<0.5	4.8	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-01	7/6/06	E601	130 D	<0.5	4	<0.5	<0.5	0.8 F	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-09	3/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 F	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-09	7/13/06	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-10	1/25/06	E601	97 B	<0.5	3.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.88	<0.5	<0.5
W-832-10	7/6/06	E601	66 D	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
W-832-11	1/25/06	E601	140 D	<0.5	6.9	<0.5	<0.5	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5
W-832-11	7/18/06	E601	110 D	<0.5	4.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.71	<0.5	<0.5

Table B-46. Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-832-12	1/25/06	E601	60	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-12	7/6/06	E601	50	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-13	9/13/06	E601	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-15	1/25/06	E601	26	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-15	7/6/06	E601	26	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-19	7/17/06	E601	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-1927	3/8/06	E601	54 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	0.58 O	<0.5	RO
W-832-1927	9/5/06	E601	34	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-23	1/26/06	E601	340 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-832-23	7/12/06	E601	460 DL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-24	1/26/06	E601	55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-24	7/12/06	E601	55 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-25	3/10/06	E601	85 D	<0.5	2	<0.5	<0.5	<0.5 F	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5
W-832-25	03/10/06 DUP	E601	89 D	<0.5	2	<0.5	<0.5	<0.5 F	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5
W-832-25	7/18/06	E601	39 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-832-25	8/2/06	E601	58 D	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5
W-832-25	08/02/06 DUP	E601	81	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.65	<0.5	<0.5
W-832-SC1	3/6/06	E601	100 BD	<0.5	2.6	0.8	<0.5	<0.5	<0.5	<0.5	0.74	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC1	9/5/06	E601	49	<0.5	0.7	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC2	3/6/06	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC3	3/6/06	E601	43 B	<0.5	1.2	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC4	3/8/06	E601	19 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
W-832-SC4	8/29/06	E601	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-870-02	3/2/06	E601	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-870-02	9/12/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SVI-830-031	1/27/06	E601	2,000 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D
SVI-830-031	7/11/06	E601	620	2.3	<0.5	<0.5	<0.5	0.6	<0.5	3.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5
SVI-830-033	1/27/06	E601	88 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
SVI-830-033	7/11/06	E601	72 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5
SVI-830-035	1/27/06	E601	3,900 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
SVI-830-035	7/11/06	E601	330 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5
SPRING3	3/8/06	E601	45 O	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5 O	<0.5	RO
SPRING3	8/29/06	E601	44	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING3	08/29/06 DUP	E601	44	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	7/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	10/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	1/3/06	E601	<0.5 E	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5
W-880-02	4/18/06	E601	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	7/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	10/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	1/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	4/18/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	7/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	10/3/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B-46 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-832-2112	3/23/06	E601	0 of 18	-	-	-	-
W-832-2112	6/26/06	E601	0 of 18	-	-	-	-
W-832-2112	9/12/06	E601	0 of 18	-	-	-	-
W-832-2112	12/19/06	E601	0 of 18	-	-	-	-
W-830-04A	1/27/06	E601	0 of 18	-	-	-	-
W-830-04A	01/27/06 DUP	E601	0 of 18	-	-	-	-
W-830-04A	9/11/06	E601	0 of 18	-	-	-	-
W-830-04A	09/11/06 DUP	E601	0 of 18	-	-	-	-
W-830-05	1/27/06	E601	0 of 18	-	-	-	-
W-830-05	01/27/06 DUP	E601	0 of 18	-	-	-	-
W-830-05	8/1/06	E601	0 of 18	-	-	-	-
W-830-09	1/26/06	E601	0 of 18	-	-	-	-
W-830-09	7/11/06	E601	0 of 18	-	-	-	-
W-830-10	1/26/06	E601	0 of 18	-	-	-	-
W-830-10	01/26/06 DUP	E601	0 of 18	-	-	-	-
W-830-10	7/25/06	E601	0 of 18	-	-	-	-
W-830-11	1/26/06	E601	0 of 18	-	-	-	-
W-830-11	7/25/06	E601	0 of 18	-	-	-	-
W-830-12	1/26/06	E601	0 of 18	-	-	-	-
W-830-12	7/11/06	E601	0 of 18	-	-	-	-
W-830-13	1/27/06	E601	0 of 18	-	-	-	-
W-830-13	9/21/06	E601	0 of 18	-	-	-	-
W-830-14	1/27/06	E601	1 of 18	0.67	-	-	-
W-830-14	7/25/06	E601	0 of 18	-	-	-	-
W-830-14	07/25/06 DUP	E601	0 of 18	-	-	-	-
W-830-15	1/27/06	E601	0 of 18	-	-	-	-
W-830-15	7/25/06	E601	0 of 18	-	-	-	-
W-830-16	3/8/06	E601	0 of 18	-	-	-	-
W-830-16	5/11/06	E601	0 of 18	-	-	-	-
W-830-16	8/23/06	E601	0 of 18	-	-	-	-
W-830-16	12/14/06	E601	0 of 18	-	-	-	-
W-830-17	3/8/06	E601	0 of 18	-	-	-	-
W-830-17	9/13/06	E601	0 of 18	-	-	-	-
W-830-18	3/6/06	E601	1 of 18	1.3	-	-	-

Table B-46 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-830-18	7/17/06	E601	0 of 18	-	-	-	-
W-830-18	07/17/06 DUP	E601	0 of 18	-	-	-	-
W-830-19	1/11/06	E601	1 of 19	-	-	-	2
W-830-19	4/11/06	E601	0 of 18	-	-	-	-
W-830-19	7/10/06	E601	0 of 18	-	-	-	-
W-830-20	1/26/06	E601	0 of 18	-	-	-	-
W-830-20	4/27/06	E601	0 of 18	-	-	-	-
W-830-20	7/6/06	E601	0 of 18	-	-	-	-
W-830-20	10/5/06	E601	0 of 18	-	-	-	-
W-830-20	10/05/06 DUP	E601	0 of 18	-	-	-	-
W-830-21	3/6/06	E601	1 of 18	14	-	-	-
W-830-21	7/17/06	E601	1 of 18	63	-	-	-
W-830-22	3/9/06	E601	1 of 18	0.95	-	-	-
W-830-22	7/12/06	E601	1 of 18	1.4	-	-	-
W-830-25	3/9/06	E601	1 of 18	-	-	8.8 DB	-
W-830-25	8/28/06	E601	0 of 18	-	-	-	-
W-830-26	3/9/06	E601	0 of 18	-	-	-	-
W-830-26	7/13/06	E601	0 of 18	-	-	-	-
W-830-27	3/9/06	E601	1 of 18	-	-	7.1 DB	-
W-830-27	03/09/06 DUP	E601	0 of 18	-	-	-	-
W-830-27	8/28/06	E601	0 of 18	-	-	-	-
W-830-28	3/9/06	E601	0 of 18	-	-	-	-
W-830-28	8/28/06	E601	0 of 18	-	-	-	-
W-830-29	3/9/06	E601	0 of 18	-	-	-	-
W-830-29	7/12/06	E601	0 of 18	-	-	-	-
W-830-30	3/9/06	E601	1 of 18	-	-	7.5 DB	-
W-830-30	7/11/06	E601	0 of 18	-	-	-	-
W-830-34	3/9/06	E601	1 of 18	-	-	8.1 DB	-
W-830-34	7/11/06	E601	0 of 18	-	-	-	-
W-830-49	1/26/06	E601	0 of 18	-	-	-	-
W-830-49	7/12/06	E601	1 of 18	1.3	-	-	-
W-830-49	9/14/06	E601	1 of 18	-	-	6.5	-
W-830-49	9/19/06	E601	0 of 18	-	-	-	-
W-830-50	1/26/06	E601	1 of 18	0.63	-	-	-

Table B-46 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-830-50	8/1/06	E601	0 of 18	-	-	-	-
W-830-51	1/25/06	E601	0 of 18	-	-	-	-
W-830-51	7/10/06	E601	0 of 18	-	-	-	-
W-830-52	1/25/06	E601	0 of 18	-	-	-	-
W-830-52	7/10/06	E601	0 of 18	-	-	-	-
W-830-53	1/25/06	E601	0 of 18	-	-	-	-
W-830-53	7/10/06	E601	0 of 18	-	-	-	-
W-830-54	3/8/06	E601	0 of 18	-	-	-	-
W-830-54	8/24/06	E601	0 of 18	-	-	-	-
W-830-55	3/8/06	E601	0 of 18	-	-	-	-
W-830-55	8/23/06	E601	0 of 18	-	-	-	-
W-830-56	1/27/06	E601	0 of 18	-	-	-	-
W-830-56	7/25/06	E601	0 of 18	-	-	-	-
W-830-57	1/5/06	E601	0 of 19	-	-	-	-
W-830-57	4/6/06	E601	0 of 18	-	-	-	-
W-830-58	3/9/06	E601	1 of 18	-	-	8.3 DB	-
W-830-58	8/28/06	E601	0 of 18	-	-	-	-
W-830-59	1/11/06	E601	0 of 19	-	-	-	-
W-830-59	4/11/06	E601	0 of 18	-	-	-	-
W-830-59	7/10/06	E601	0 of 18	-	-	-	-
W-830-60	1/27/06	E601	0 of 18	-	-	-	-
W-830-60	01/27/06 DUP	E601	0 of 18	-	-	-	-
W-830-60	7/17/06	E601	0 of 18	-	-	-	-
W-830-60	11/29/06	E601	0 of 18	-	-	-	-
W-830-1730	1/27/06	E601	0 of 18	-	-	-	-
W-830-1730	4/27/06	E601	0 of 18	-	-	-	-
W-830-1730	7/25/06	E601	0 of 18	-	-	-	-
W-830-1730	10/5/06	E601	0 of 18	-	-	-	-
W-830-1730	10/05/06 DUP	E601	0 of 18	-	-	-	-
W-830-1807	1/11/06	E601	0 of 19	-	-	-	-
W-830-1807	4/11/06	E601	0 of 18	-	-	-	-
W-830-1807	7/10/06	E601	0 of 18	-	-	-	-
W-830-1829	1/27/06	E601	0 of 18	-	-	-	-
W-830-1829	7/13/06	E601	1 of 18	1.1	-	-	-

Table B-46 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-830-1829	9/27/06	E601	0 of 18	-	-	-	-
W-830-1829	10/3/06	E601	2 of 18	1.5	-	3.9	-
W-830-1830	1/27/06	E601	0 of 18	-	-	-	-
W-830-1830	7/13/06	E601	0 of 18	-	-	-	-
W-830-1831	3/8/06	E601	0 of 18	-	-	-	-
W-830-1831	6/19/06	E601	0 of 18	-	-	-	-
W-830-1831	8/24/06	E601	0 of 18	-	-	-	-
W-830-1831	12/14/06	E601	0 of 18	-	-	-	-
W-830-1832	3/8/06	E601	0 of 18	-	-	-	-
W-830-1832	8/24/06	E601	0 of 18	-	-	-	-
W-830-2213	3/16/06	E624	0 of 30	-	-	-	-
W-830-2213	4/27/06	E624	0 of 30	-	-	-	-
W-830-2213	8/1/06	E601	0 of 18	-	-	-	-
W-830-2213	11/7/06	E601	0 of 18	-	-	-	-
W-830-2214	5/2/06	E624	0 of 30	-	-	-	-
W-830-2214	8/1/06	E601	0 of 18	-	-	-	-
W-830-2214	11/1/06	E601	0 of 18	-	-	-	-
W-830-2215	5/2/06	E624	0 of 30	-	-	-	-
W-830-2215	8/1/06	E601	0 of 18	-	-	-	-
W-830-2215	11/15/06	E601	0 of 18	-	-	-	-
W-830-2216	2/13/06	E624	0 of 30	-	-	-	-
W-830-2216	9/19/06	E601	0 of 18	-	-	-	-
W-832-01	1/25/06	E601	2 of 18	4.8	0.65	-	-
W-832-01	7/6/06	E601	1 of 18	4	-	-	-
W-832-09	3/10/06	E601	0 of 18	-	-	-	-
W-832-09	7/13/06	E601	0 of 18	-	-	-	-
W-832-10	1/25/06	E601	1 of 18	3.2	-	-	-
W-832-10	7/6/06	E601	1 of 18	2.7	-	-	-
W-832-11	1/25/06	E601	1 of 18	6.9	-	-	-
W-832-11	7/18/06	E601	1 of 18	4.4	-	-	-
W-832-12	1/25/06	E601	1 of 18	1.1	-	-	-
W-832-12	7/6/06	E601	1 of 18	1.3	-	-	-
W-832-13	9/13/06	E601	0 of 18	-	-	-	-
W-832-15	1/25/06	E601	0 of 18	-	-	-	-

Table B-46 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-832-15	7/6/06	E601	0 of 18	-	-	-	-
W-832-19	7/17/06	E601	0 of 18	-	-	-	-
W-832-1927	3/8/06	E601	0 of 18	-	-	-	-
W-832-1927	9/5/06	E601	0 of 18	-	-	-	-
W-832-23	1/26/06	E601	0 of 18	-	-	-	-
W-832-23	7/12/06	E601	0 of 18	-	-	-	-
W-832-24	1/26/06	E601	0 of 18	-	-	-	-
W-832-24	7/12/06	E601	0 of 18	-	-	-	-
W-832-25	3/10/06	E601	1 of 18	2	-	-	-
W-832-25	03/10/06 DUP	E601	1 of 18	2	-	-	-
W-832-25	7/18/06	E601	0 of 18	-	-	-	-
W-832-25	8/2/06	E601	1 of 18	1.6	-	-	-
W-832-25	08/02/06 DUP	E601	1 of 18	1.6	-	-	-
W-832-SC1	3/6/06	E601	1 of 18	3.4	-	-	-
W-832-SC1	9/5/06	E601	0 of 18	-	-	-	-
W-832-SC2	3/6/06	E601	0 of 18	-	-	-	-
W-832-SC3	3/6/06	E601	1 of 18	2.4	-	-	-
W-832-SC4	3/8/06	E601	0 of 18	-	-	-	-
W-832-SC4	8/29/06	E601	0 of 18	-	-	-	-
W-870-02	3/2/06	E601	0 of 18	-	-	-	-
W-870-02	9/12/06	E601	0 of 18	-	-	-	-
SVI-830-031	1/27/06	E601	0 of 18	-	-	-	-
SVI-830-031	7/11/06	E601	0 of 18	-	-	-	-
SVI-830-033	1/27/06	E601	0 of 18	-	-	-	-
SVI-830-033	7/11/06	E601	0 of 18	-	-	-	-
SVI-830-035	1/27/06	E601	0 of 18	-	-	-	-
SVI-830-035	7/11/06	E601	0 of 18	-	-	-	-
SPRING3	3/8/06	E601	1 of 18	0.97	-	-	-
SPRING3	8/29/06	E601	0 of 18	-	-	-	-
SPRING3	08/29/06 DUP	E601	0 of 18	-	-	-	-
W-880-01	1/3/06	E601	0 of 19	-	-	-	-
W-880-01	4/18/06	E601	0 of 18	-	-	-	-
W-880-01	7/5/06	E601	0 of 18	-	-	-	-
W-880-01	10/3/06	E601	0 of 18	-	-	-	-

Table B-46 (continued). Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-880-02	1/3/06	E601	0 of 19	-	-	-	-
W-880-02	4/18/06	E601	0 of 18	-	-	-	-
W-880-02	7/5/06	E601	0 of 18	-	-	-	-
W-880-02	10/3/06	E601	0 of 18	-	-	-	-
W-880-03	1/3/06	E601	0 of 19	-	-	-	-
W-880-03	4/18/06	E601	0 of 18	-	-	-	-
W-880-03	7/5/06	E601	0 of 18	-	-	-	-
W-880-03	10/3/06	E601	0 of 18	-	-	-	-

Table B-47. Building 832 Canyon OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-832-2112	3/23/06	<0.5 H	<4
W-832-2112	9/12/06	<0.1	<4
W-830-04A	1/27/06	75	4.2
W-830-04A	01/27/06 DUP	73	4.1
W-830-05	1/27/06	82 DHL	<4
W-830-05	01/27/06 DUP	82 DHL	4.9
W-830-09	1/26/06	<0.5 HLO	<4 O
W-830-10	1/26/06	74 DHL	<4 O
W-830-10	01/26/06 DUP	64 DHL	8.3 O
W-830-11	1/26/06	3.3	<4
W-830-12	1/26/06	0.52 HLO	<4 O
W-830-13	1/27/06	76 DHL	4.7
W-830-14	1/27/06	<0.5 HL	<4
W-830-15	1/27/06	1.1 HL	<4
W-830-16	3/8/06	<0.5 H	<4
W-830-16	8/23/06	<0.1	<4 L
W-830-17	3/8/06	86 D	4.2
W-830-18	3/6/06	2.1 D	<4
W-830-18	7/17/06	0.34	<4 L
W-830-19	1/11/06	150 D	6.6
W-830-19	4/11/06	96 D	5.8
W-830-19	7/10/06	140 D	<4
W-830-20	1/26/06	<1 D	<4
W-830-20	7/6/06	1.2 D	<4
W-830-21	3/6/06	3.5	<4
W-830-21	7/17/06	<0.1	<4 L
W-830-22	3/9/06	1.1 H	<4
W-830-22	7/12/06	<0.1	<4 L
W-830-25	3/9/06	120 DL	7.6
W-830-26	3/9/06	1.6	<4
W-830-27	3/9/06	45 DL	5
W-830-27	03/09/06 DUP	37	<4
W-830-27	8/28/06	43 D	4.1 L
W-830-28	3/9/06	11 DL	<4
W-830-28	8/28/06	4.2 D	<4 L
W-830-29	3/9/06	<0.5 H	<4
W-830-30	3/9/06	100 DL	<4
W-830-34	3/9/06	120 DL	<4
W-830-49	1/26/06	200 DHLO	<4 O
W-830-49	7/12/06	170 D	<4 L
W-830-49	9/14/06	170 D	4.9
W-830-49	9/19/06	14	4.1
W-830-50	1/26/06	13 HL	<4 O
W-830-51	1/25/06	63	6.3
W-830-52	1/25/06	63	6.9
W-830-53	1/25/06	52	4.9
W-830-54	3/8/06	3 H	<4
W-830-55	3/8/06	15 D	<4

Table B-47. Building 832 Canyon OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-830-56	1/27/06	36 DHL	<4
W-830-57	1/5/06	17 D	<4
W-830-57	4/6/06	17 D	<4
W-830-58	3/9/06	31 DL	<4
W-830-59	1/11/06	130 D	9.3
W-830-59	4/11/06	130 D	7
W-830-59	7/10/06	120 D	6.4
W-830-60	1/27/06	8 HL	<4
W-830-60	01/27/06 DUP	7.5 D	<4
W-830-60	11/29/06	8.5 D	<4
W-830-1730	1/27/06	2.1 HL	<4
W-830-1730	7/25/06	1.6	<4 L
W-830-1807	1/11/06	100 D	5.4
W-830-1807	4/11/06	40	<4
W-830-1807	7/10/06	55	<4
W-830-1829	1/27/06	99 DHL	<4
W-830-1829	7/13/06	86 D	<4 L
W-830-1829	9/27/06	44 D	<4
W-830-1829	10/3/06	49 D	12
W-830-1830	1/27/06	64 DHL	5.2
W-830-1831	3/8/06	2.3 H	<4
W-830-1831	8/24/06	1.8 L	<4 L
W-830-1832	3/8/06	3 H	<4
W-830-2213	3/16/06	58 DL	5.6
W-830-2213	4/27/06	57 D	7.2
W-830-2213	8/1/06	56 D	7.6
W-830-2213	11/7/06	55 D	7.6
W-830-2214	5/2/06	-	7.7
W-830-2214	8/1/06	54 D	7.5
W-830-2214	11/1/06	57 D	7.7
W-830-2215	5/2/06	-	<4
W-830-2215	8/1/06	10	<4
W-830-2215	11/15/06	12	<4
W-830-2216	2/13/06	47 D	<4 H
W-830-2216	9/19/06	11	<4
W-832-01	1/25/06	72	8.6
W-832-09	3/10/06	<0.5 H	<4
W-832-10	1/25/06	72 D	9.8
W-832-11	1/25/06	120 D	18
W-832-12	1/25/06	110 D	9
W-832-15	1/25/06	120 D	12
W-832-1927	3/8/06	59 D	6.3
W-832-23	1/26/06	53 DHLO	14 O
W-832-24	1/26/06	74 DHLO	6.5 O
W-832-25	3/10/06	96 DHLB	8.9
W-832-25	03/10/06 DUP	95 DHLB	8.1
W-832-25	7/18/06	87 D	9.7
W-832-SC1	3/6/06	27 D	<4

Table B-47. Building 832 Canyon OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-832-SC3	3/6/06	26 D	<4
W-832-SC4	3/8/06	54	<4
W-870-02	3/2/06	<5 D	<4
SVI-830-031	1/27/06	91 DHL	<4
SVI-830-035	1/27/06	140 DHL	4
SPRING3	3/8/06	36 D	<4
W-880-01	1/3/06	<0.5	<4
W-880-01	7/5/06	<0.5	<4
W-880-02	1/3/06	<0.5 E	<4
W-880-02	7/5/06	10	<4
W-880-03	1/3/06	<0.5	<4
W-880-03	7/5/06	<0.5	<4

Table B-48. Building 832 Canyon OU general minerals in ground water.

Constituents of concern	W-830-2213 3/16/06 GENMINDISS	W-830-2213 4/27/06 GENMIN	W-830-2214 5/2/06 GENMIN	W-830-2215 5/2/06 GENMIN	W-830-2216 2/13/06 GENMINDISS
Total Alkalinity (as CaCO3) (mg/L)	180 H	220	210	140	290 H
Aluminum (mg/L)	<0.054	<0.2	<0.2	<0.2	<0.054
Bicarbonate Alk (as CaCO3) (mg/L)	180 H	220 D	210 D	110 D	290 H
Calcium (mg/L)	89 B	95	87 L	74 L	49
Carbonate Alk (as CaCO3) (mg/L)	<10 H	<10 D	<10 D	36 D	<10 H
Chloride (mg/L)	480 BD	450 D	450 D	360 D	350 D
Copper (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.01
Fluoride (mg/L)	0.43	0.39 D	0.41 D	0.28 D	0.68 H
Hydroxide Alk (as CaCO3) (mg/L)	<10 H	<10 D	<10 D	<5 D	<10 H
Iron (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium (mg/L)	49	52	48 L	32 L	21
Manganese (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Nickel (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate (as N) (mg/L)	-	13 D	13 D	3.2 D	10 D
Nitrate (as NO3) (mg/L)	-	57 H	56	14	46 D
Nitrite (as N) (mg/L)	<0.1	<0.5	<0.5	<0.5	<0.1
pH (Units)	7.9	8.2	8.02	8.09	7.7
Ortho-Phosphate (mg/L)	<0.1 B	<0.05	0.069	0.074	<0.1
Total Phosphorus (as P) (mg/L)	-	0.083 H	0.089 H	0.077 H	-
Total Phosphorus (as PO4) (mg/L)	<0.1 H	-	-	-	<0.1 H
Potassium (mg/L)	38	22	21	19	25
Sodium (mg/L)	340 D	360 L	370 L	310 L	340 D
Total dissolved solids (TDS) (mg/L)	1,500 H	1,700 DH	1,600 D	1,300 D	1,300 H
Specific Conductance (μmhos/cm)	2,800 DH	2,500	2,500	2,100	18,000 DHS
Sulfate (mg/L)	290 D	340 D	340 D	380	170 DH
Surfactants (mg/L)	<0.5	<1 D	<0.5	<0.5	<0.5
Total Hardness (as CaCO3) (mg/L)	420 H	450	420	320	210 H
Zinc (mg/L)	<0.02	<0.05	<0.05	<0.05	<0.02

Table B-49. Building 832 Canyon OU metals and silica in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silica (as SiO2) (mg/L)	Silver (mg/L)
W-830-2213	3/16/06	0.029	0.03	<0.0005	0.004	<0.005	<0.0002	0.06	52	<0.001
W-830-2213	4/27/06	0.029	0.024	<0.001	0.0018	<0.001	<0.0002	0.067 B	52	<0.001
W-830-2214	5/2/06	0.03 B	0.027	<0.001	0.0054	<0.005	<0.0002	0.067 B	53	<0.001
W-830-2215	5/2/06	0.017 B	0.019	<0.001	0.0084	<0.005	<0.0002	0.036 B	50	<0.001
W-830-2216	2/13/06	0.037	0.03 L	<0.0005	0.003	<0.005	<0.0002	0.02	54	<0.001

Table B-50. Building 832 Canyon OU radiological constituents in ground water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Thorium 232 (pCi/L)	Tritium (pCi/L)	Uranium (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
W-830-2213	3/16/06	-	-	<0.0004	-	13.0 ± 0.0400	7.10 ± 0.0300	0.280 ± 0.00140	<0.0012	6.10 ± 0.0250	0.00722 ± 0.0000190
W-830-2213	4/27/06	8.34 ± 4.40	23.0 ± 6.20	<0.0004	<100	14.0 ± 0.190	7.70 ± 0.190	0.290 ± 0.00250	<0.0012	6.20 ± 0.0350	0.00730 ± 0.0000470
W-830-2213	5/3/06	4.40 ± 3.70	23.1 ± 6.00	-	<100	-	-	-	-	-	-
W-830-2214	5/2/06	5.52 ± 4.00	24.0 ± 5.40	<0.0004	<100	14.0 ± 0.210	7.30 ± 0.200	0.290 ± 0.00330	<0.0012	6.10 ± 0.0640	0.00729 ± 0.0000310
W-830-2215	5/2/06	<2	20.0 ± 4.60	<0.0004	<100	3.80 ± 0.170	2.10 ± 0.170	0.0750 ± 0.000440	<0.00039	1.60 ± 0.00820	0.00724 ± 0.0000200
W-830-2216	2/13/06	3.25 ± 3.40	12.8 ± 3.20	<0.0004	<100	20.0 ± 0.0270	11.0 ± 0.0220	0.420 ± 0.00180	<0.0017	9.00 ± 0.0150	0.00723 ± 0.0000290

Table B-51. Building 832 Canyon OU high explosive compounds in ground water.

Constituents of concern	W-830-2213	W-830-2213	W-830-2214	W-830-2215	W-830-2216	W-832-15	W-880-01	W-880-01	W-880-02	W-880-02	W-880-03	W-880-03
Date	3/16/06	4/27/06	5/2/06	5/2/06	2/13/06	4/5/06	1/3/06	7/5/06	1/3/06	7/5/06	1/3/06	7/5/06
2-Amino-4,6-dinitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
4-Amino-2,6-dinitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
1,3-Dinitrobenzene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
2,4-Dinitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
2,6-Dinitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
HMX (µg/L)	<1	<1	<1 D	<1	<0.5	<1	<5	<1	<5	<1	<5	<1
Nitrobenzene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
2-Nitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
3-Nitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
4-Nitrotoluene (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
Pentaerythritol tetranitrate (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
RDX (µg/L)	<1	<1	<1 D	<1	R	<1	<5	<1	<5	<1	<5	<1
Tetryl (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
TNT (µg/L)	-	-	-	-	-	<5	-	-	-	-	-	-
1,3,5-Trinitrobenzene (µg/L)	-	-	-	-	-	<1	-	-	-	-	-	-

Table B-52. Building 851 Firing Table uranium and thorium isotopes by mass spectrometry in ground water.

Location	Date	Thorium 232 (pCi/L)	Uranium (pCi/L)	Uranium 234 by mass (pCi/L)	Uranium 235 by mass (pCi/L)	Uranium 236 by mass (pCi/L)	Uranium 238 by mass (pCi/L)	Uranium 235/238 (ratio)
W-851-05	6/14/06	0.00110 ± 0.00000890	<0.0627	<0.11	<0.0005	<0.00055	0.0110 ± 0.000180	<0.007151
W-851-05	11/22/06	<0.0004	<0.0627	<0.062	0.000380 ± 0.00000850	<0.000046	0.00840 ± 0.0000670	0.00715 ± 0.000147
W-851-06	6/14/06	<0.0004	0.260 ± 0.0140	0.200 ± 0.0140	0.00230 ± 0.0000580	<0.007	0.0590 ± 0.000690	0.00607 ± 0.000136
W-851-06	10/27/06	<0.0004	0.210 ± 0.0130	0.160 ± 0.0130	0.00200 ± 0.0000400	<0.00015	0.0450 ± 0.000200	0.00676 ± 0.000134
W-851-07	4/17/06	<0.0004	0.230 ± 0.00830	0.170 ± 0.00830	0.00250 ± 0.0000340	<0.000022	0.0540 ± 0.000260	0.00724 ± 0.0000910
W-851-07	10/27/06	<0.0004	0.180 ± 0.00440	0.140 ± 0.00440	0.00210 ± 0.0000330	<0.000059	0.0430 ± 0.000270	0.00749 ± 0.000111
W-851-08	4/17/06	<0.0004	0.490 ± 0.0120	0.290 ± 0.0120	0.00800 ± 0.0000890	<0.007	0.190 ± 0.00130	0.00638 ± 0.0000580
W-851-08	10/27/06	<0.0004	0.550 ± 0.0130	0.330 ± 0.0130	0.00900 ± 0.000130	<0.0003	0.210 ± 0.00140	0.00660 ± 0.0000820

Table B-53. Building 851 Firing Table tritium in ground water.

Location	Date	Tritium (pCi/L)
W-851-05	6/14/06	<100
W-851-05	6/14/06 DUP	<200
W-851-06	6/14/06	<100
W-851-07	4/17/06	<100
W-851-08	4/17/06	<100

Table B-54. Building 845 Firing Table and Pit 9 Landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K9-01	2/17/06	<100
K9-01	6/5/06	<100
K9-01	8/28/06	<100
K9-01	10/27/06	<100
K9-02	2/17/06	<100
K9-02	6/19/06	<100
K9-02	8/28/06	<100
K9-02	10/27/06	<100
K9-03	2/17/06	<100
K9-03	6/28/06	<100
K9-03	8/28/06	<100
K9-03	10/27/06	<100
K9-04	2/17/06	<100
K9-04	6/5/06	<100
K9-04	8/28/06	<100
K9-04	10/27/06	<100

Table B-55. Building 845 Firing Table and Pit 9 Landfill metals in ground water.

Constituents of concern	K9-01	K9-02	K9-03	K9-04
	6/5/06	6/19/06	6/19/06	6/5/06
Antimony (mg/L)	<0.06	<0.005	<0.005	<0.06
Arsenic (mg/L)	<0.005	0.033	0.0068	<0.005
Barium (mg/L)	0.02 JL	<0.02 L	<0.02 L	0.02 JL
Beryllium (mg/L)	<0.002 D	<0.001 D	<0.001 D	<0.002 D
Cadmium (mg/L)	<0.005	<0.0005	<0.0005	<0.005
Chromium (mg/L)	<0.01	<0.001	<0.001	<0.01
Cobalt (mg/L)	<0.02	<0.0005	0.0007	<0.02
Copper (mg/L)	<0.01	<1	<1	<0.01
Lead (mg/L)	<0.003	<0.005	<0.005	<0.003
Lithium (mg/L)	0.0707	0.062	0.0754	0.0793
Mercury (mg/L)	<0.0002	<0.0002 L	<0.0002 L	<0.0002
Molybdenum (mg/L)	0.03 JL	0.06	0.03	0.03 JL
Nickel (mg/L)	<0.02	<0.002	<0.002	<0.02
Selenium (mg/L)	0.001	<0.002	0.004	0.001
Silver (mg/L)	<0.005	<0.001	<0.001	<0.005
Thallium (mg/L)	<0.005	<0.001 L	<0.001 L	<0.005
Thorium (mg/L)	0.000501	<0.0005 E	<0.0005	<0.0005
Uranium (mg/L)	<0.00027 E	<0.00027 E	0.000354	<0.00027 E
Vanadium (mg/L)	<0.01	<0.002	<0.002	<0.01
Zinc (mg/L)	0.003	<0.01	<0.01	0.002

Table B-56. Building 845 Firing Table and Pit 9 Landfill VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K9-01	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K9-02	6/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K9-03	6/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K9-04	6/5/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K9-01	6/5/06	E601	0 of 18
K9-02	6/19/06	E601	0 of 18
K9-03	6/19/06	E601	0 of 18
K9-04	6/5/06	E601	0 of 18

Table B-57. Building 845 Firing Table and Pit 9 Landfill high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
K9-01	6/5/06	<5	<5
K9-02	6/19/06	<1	<1
K9-03	6/19/06	<1	<1
K9-04	6/5/06	<5	<5

Table B-58. Building 845 Firing Table and Pit 9 Landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K9-01	6/5/06	<0.1 L	<4
K9-02	6/19/06	<0.1	<4
K9-03	6/19/06	<0.1	<4
K9-04	6/5/06	<0.1 L	<4

Table B-59. Building 845 Firing Table and Pit 9 Landfill fluoride in ground water.

Location	Date	Fluoride (mg/L)
K9-01	6/5/06	0.19 L
K9-02	6/19/06	<0.05 L
K9-03	6/19/06	0.24 L
K9-04	6/5/06	0.31 L

Table B-60. Building 833 VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-833-12	3/14/06	E601	4.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	R	<0.5	<0.5	<0.5	<0.5	<0.5
W-840-01	3/10/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-833-28	8/1/06	E601	240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-833-30	3/14/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	R	<0.5	<0.5	<0.5	<0.5	<0.5
W-833-30	9/19/06	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-833-33	6/19/06	E601	110 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
W-833-12	3/14/06	E601	0 of 18
W-840-01	3/10/06	E601	0 of 18
W-833-28	8/1/06	E601	0 of 18
W-833-30	3/14/06	E601	0 of 18
W-833-30	9/19/06	E601	0 of 18
W-833-33	6/19/06	E601	0 of 18

Table B-61. Building 833 nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-840-01	3/10/06	<0.5 H	<4

Table B-62. Building 801 Firing Table and Pit 8 Landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K8-01	6/20/06	<100
K8-01	12/8/06	<100
K8-02B	3/9/06	<100
K8-02B	6/20/06	<100
K8-02B	9/26/06	<100
K8-02B	10/27/06	<100
K8-04	3/9/06	<100
K8-04	6/21/06	<100
K8-04	9/26/06	<100
K8-04	10/27/06	<100
K8-04	10/27/06 DUP	<100

Table B-63. Building 801 Firing Table and Pit 8 Landfill metals in ground water.

Constituents of concern	K8-02B	K8-04
	6/20/06	6/21/06
Antimony (mg/L)	<0.06	<0.06
Arsenic (mg/L)	0.02	0.024
Barium (mg/L)	0.01 L	0.01
Beryllium (mg/L)	<0.002 D	<0.002 D
Cadmium (mg/L)	<0.005	<0.005
Chromium (mg/L)	<0.01	<0.01
Cobalt (mg/L)	<0.02	<0.02
Copper (mg/L)	0.04	<0.01
Lead (mg/L)	0.003	<0.003
Lithium (mg/L)	0.0288	0.0319
Mercury (mg/L)	<0.0002	<0.0002
Molybdenum (mg/L)	<0.02	<0.02
Nickel (mg/L)	<0.02	<0.02
Selenium (mg/L)	0.006	0.01
Silver (mg/L)	<0.005	<0.005
Thallium (mg/L)	<0.005 L	<0.005
Thorium (mg/L)	<0.0005 E	<0.0005
Uranium (mg/L)	0.0128	0.014
Vanadium (mg/L)	0.08	0.1
Zinc (mg/L)	0.03	0.0024

Table B-64. B and Pit 8 Landfill VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K8-01	6/20/06	E601	4.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-01	12/8/06	E601	3.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-02B	6/20/06	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-02B	10/27/06	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-03B	6/15/06	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-03B	10/27/06	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-04	6/21/06	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K8-01	6/20/06	E601	0 of 18
K8-01	12/8/06	E601	0 of 18
K8-02B	6/20/06	E601	0 of 18
K8-02B	10/27/06	E601	0 of 18
K8-03B	6/15/06	E601	0 of 18
K8-03B	10/27/06	E601	0 of 18
K8-04	6/21/06	E601	0 of 18

Table B-65. Building 801 Firing Table and Pit 8 Landfill high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
K8-02B	6/20/06	<1	<1
K8-04	6/21/06	<1	<1

Table B-66. Building 801 Firing Table and Pit 8 Landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K8-01	6/20/06	52 D	<4
K8-02B	6/20/06	40 D	<4
K8-03B	6/15/06	19 D	<4
K8-04	6/21/06	58 D	<4

Table B-67. Building 801 Firing Table and Pit 8 Landfill fluoride in ground water.

Location	Date	Fluoride (mg/L)
K8-02B	6/20/06	0.25
K8-04	6/21/06	0.29

Appendix C

Ground Water Elevations Measured During 2006

Appendix C

Ground Water Elevations Measured During 2006

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
CDF1	1/13/06	12.12	490.85	
CDF1	4/18/06	8.94	494.03	
CDF1	7/12/06	14.73	488.24	
CDF1	10/9/06	14.15	488.82	
CON1	1/12/06	9.29	493.18	
CON1	4/18/06	6.93	495.54	
CON1	7/12/06	29.26	473.21	
CON1	10/9/06	28.85	473.62	
CON2	1/19/06	14.07	491.22	
CON2	4/18/06	9.87	495.42	
CON2	7/24/06	-	-	NM
CON2	10/16/06	13.82	491.47	
W-24P-03	1/12/06	-	-	NM/UC
W-24P-03	4/6/06	-	-	NM/UC
W-24P-03	7/20/06	-	-	NM/UC
W-24P-03	10/24/06	2.33	425.41	
W-25D-01	1/12/06	17.05	448.44	
W-25D-01	4/28/06	16.7	448.79	
W-25D-01	7/20/06	-	-	NM/UC
W-25D-01	10/19/06	10.13	455.36	
W-25D-02	1/31/06	9.85	448.34	
W-25D-02	4/28/06	9.2	448.99	
W-25D-02	7/20/06	-	-	NM/UC
W-25D-02	10/19/06	-	-	NM/UC
W-25M-01	1/12/06	19.4	460.16	
W-25M-01	4/28/06	-	-	NM/UC
W-25M-01	7/20/06	-	-	NM/UC
W-25M-01	10/19/06	19.71	459.85	
W-25M-02	1/12/06	9.7	475.54	
W-25M-02	4/28/06	5.9	479.34	
W-25M-02	7/20/06	5.2	480.04	
W-25M-02	10/11/06	8.21	477.03	
W-25M-03	1/12/06	-	-	NM/UC
W-25M-03	4/28/06	-	-	NM/UC
W-25M-03	7/20/06	-	-	NM/UC
W-25M-03	10/24/06	9.4	478.03	
W-25N-01	1/9/06	-	-	FL/CB
W-25N-01	4/18/06	13.2	493.92	CB
W-25N-01	7/20/06	11.35	495.77	CB
W-25N-01	10/11/06	-	-	NM/UC/CB
W-25N-04	1/9/06	40.83	488.02	
W-25N-04	4/18/06	40.65	488.2	
W-25N-04	7/20/06	40.1	488.75	
W-25N-04	10/11/06	40.26	488.59	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-25N-05	1/9/06	12.1	485.37	
W-25N-05	4/28/06	7.6	489.87	
W-25N-05	7/20/06	6.37	491.1	
W-25N-05	10/11/06	11.13	486.34	
W-25N-06	1/9/06	14.6	482.22	
W-25N-06	4/28/06	9.95	486.87	
W-25N-06	7/20/06	8.74	488.08	
W-25N-06	10/11/06	13.54	483.28	
W-25N-07	1/3/06	15.04	490.36	
W-25N-07	4/18/06	10.79	494.61	
W-25N-07	7/6/06	10.23	495.17	
W-25N-07	10/4/06	13.96	491.44	
W-25N-08	1/3/06	22.15	488.67	
W-25N-08	4/18/06	18.85	491.97	
W-25N-08	7/20/06	19.25	491.57	
W-25N-08	10/4/06	22.45	488.37	
W-25N-09	1/9/06	18.95	491.51	
W-25N-09	4/18/06	16.4	494.06	
W-25N-09	7/20/06	16.9	493.56	
W-25N-09	10/4/06	19.13	491.33	
W-25N-10	1/3/06	14.88	490.98	
W-25N-10	4/18/06	11.57	494.29	
W-25N-10	7/6/06	16.69	489.17	
W-25N-10	10/4/06	13.62	492.24	
W-25N-11	1/3/06	14.69	491.08	
W-25N-11	4/18/06	12.55	493.22	
W-25N-11	7/6/06	16.46	489.31	
W-25N-11	10/4/06	13.38	492.39	
W-25N-12	1/3/06	15.24	490.28	
W-25N-12	4/18/06	11.7	493.82	
W-25N-12	7/6/06	15.85	489.67	
W-25N-12	10/4/06	14.1	491.42	
W-25N-13	1/3/06	15.64	489.74	
W-25N-13	4/18/06	11.9	493.48	
W-25N-13	7/6/06	11.37	494.01	
W-25N-13	10/4/06	14.81	490.57	
W-25N-15	1/9/06	13.25	488.12	
W-25N-15	4/28/06	7.9	493.47	
W-25N-15	7/20/06	8.15	493.22	
W-25N-15	10/19/06	12.63	488.74	
W-25N-18	1/9/06	14	487.82	
W-25N-18	4/28/06	9.75	492.07	
W-25N-18	7/20/06	10.05	491.77	
W-25N-18	10/19/06	13.41	488.41	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-25N-20	1/9/06	14.25	490.69	
W-25N-20	4/18/06	10.6	494.34	
W-25N-20	7/20/06	10.6	494.34	
W-25N-20	10/4/06	12.83	492.11	
W-25N-21	1/9/06	21.7	491.48	
W-25N-21	4/18/06	19.15	494.03	
W-25N-21	7/20/06	19.65	493.53	
W-25N-21	10/4/06	21.84	491.34	
W-25N-22	1/9/06	23.75	489.31	
W-25N-22	4/18/06	20.72	492.34	
W-25N-22	7/20/06	20.51	492.55	
W-25N-22	10/4/06	23.62	489.44	
W-25N-23	1/9/06	21.05	489.34	
W-25N-23	4/18/06	17.75	492.64	
W-25N-23	7/20/06	18.15	492.24	
W-25N-23	10/4/06	22.06	488.33	
W-25N-24	1/9/06	-	-	FL
W-25N-24	4/18/06	13.5	493.12	
W-25N-24	7/20/06	13.22	493.4	
W-25N-24	10/4/06	15.83	490.79	
W-25N-25	1/31/06	12.25	489.22	
W-25N-25	7/10/06	12.34	489.13	
W-25N-25	10/4/06	16.2	485.27	
W-25N-26	1/31/06	11.55	487.82	
W-25N-26	4/28/06	7.29	492.08	
W-25N-26	7/20/06	7.35	492.02	
W-25N-26	10/4/06	10.88	488.49	
W-25N-28	1/31/06	12.2	484.95	
W-25N-28	4/28/06	7.9	489.25	
W-25N-28	7/18/06	7.84	489.31	
W-25N-28	10/11/06	11.2	485.95	
W-26R-01	1/9/06	18.8	490.91	
W-26R-01	4/18/06	14.95	494.76	
W-26R-01	7/18/06	14.95	494.76	
W-26R-01	10/4/06	15.73	493.98	
W-26R-02	1/9/06	36.5	491.7	
W-26R-02	4/18/06	34.15	494.05	
W-26R-02	7/18/06	34.15	494.05	
W-26R-02	10/4/06	36.95	491.25	
W-26R-03	1/9/06	-	-	FL
W-26R-03	4/18/06	11.83	494.39	
W-26R-03	7/18/06	11.75	494.47	
W-26R-03	10/4/06	12.25	493.97	
W-26R-04	1/9/06	17.8	491.16	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-26R-04	4/18/06	14	494.96	
W-26R-04	7/18/06	14.05	494.91	
W-26R-04	10/4/06	17.78	491.18	
W-26R-05	1/9/06	22.7	490.41	
W-26R-05	4/18/06	18.8	494.31	
W-26R-05	7/20/06	18.78	494.33	
W-26R-05	10/4/06	20.21	492.9	
W-26R-06	1/9/06	24.03	491.15	
W-26R-06	4/18/06	20.2	494.98	
W-26R-06	7/19/06	20.13	495.05	
W-26R-06	10/4/06	25.25	489.93	
W-26R-07	1/9/06	29.05	491.54	
W-26R-07	4/17/06	26.5	494.09	
W-26R-07	7/18/06	26.47	494.12	
W-26R-07	10/4/06	28.15	492.44	
W-26R-08	1/9/06	31.25	491.86	
W-26R-08	4/18/06	29.05	494.06	
W-26R-08	7/18/06	28.91	494.2	
W-26R-08	10/23/06	31.43	491.68	
W-26R-11	1/9/06	15.95	491.26	
W-26R-11	4/18/06	12.1	495.11	
W-26R-11	7/20/06	12.1	495.11	
W-26R-11	10/23/06	13.98	493.23	
W-35A-01	1/26/06	14.33	494.08	CB
W-35A-01	4/28/06	9.15	499.26	CB
W-35A-01	7/18/06	9.2	499.21	CB
W-35A-01	10/23/06	13.29	495.12	CB
W-35A-02	1/31/06	13.45	496.25	CB
W-35A-02	4/18/06	7.7	502	CB
W-35A-02	7/18/06	7.86	501.84	CB
W-35A-02	10/23/06	11.75	497.95	CB
W-35A-03	1/31/06	13.7	493.14	CB
W-35A-03	4/28/06	8.25	498.59	CB
W-35A-03	7/18/06	8.25	498.59	CB
W-35A-03	10/23/06	13.13	493.71	CB
W-35A-04	1/10/06	11.97	492.01	
W-35A-04	4/28/06	7.45	496.53	
W-35A-04	7/20/06	7.8	496.18	
W-35A-04	10/23/06	9.8	494.18	
W-35A-05	1/31/06	14.6	493.37	CB
W-35A-05	4/28/06	9.3	498.67	CB
W-35A-05	7/18/06	9.3	498.67	CB
W-35A-05	10/23/06	11.2	496.77	CB
W-35A-06	1/31/06	12.65	491.67	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35A-06	4/28/06	7.4	496.92	
W-35A-06	7/18/06	7.56	496.76	
W-35A-06	10/23/06	12.13	492.19	
W-35A-07	1/31/06	1.6	508.99	
W-35A-07	4/18/06	-	-	FL
W-35A-07	7/18/06	-	-	FL
W-35A-07	10/23/06	-	-	FL
W-35A-08	1/31/06	16.6	501.26	
W-35A-08	4/18/06	12.1	505.76	
W-35A-08	7/18/06	12.15	505.71	
W-35A-08	10/23/06	16.45	501.41	
W-35A-09	1/31/06	16.95	498.6	
W-35A-09	4/18/06	11.2	504.35	
W-35A-09	7/18/06	11.39	504.16	
W-35A-09	10/23/06	16.59	498.96	
W-35A-10	1/31/06	14	497.72	
W-35A-10	4/18/06	9.17	502.55	
W-35A-10	7/18/06	9.15	502.57	
W-35A-10	10/23/06	13.38	498.34	
W-35A-11	1/31/06	4.2	501.15	
W-35A-11	4/28/06	2.3	503.05	
W-35A-11	7/18/06	2.25	503.1	
W-35A-11	10/23/06	3.88	501.47	
W-35A-12	1/31/06	6.95	498.87	
W-35A-12	4/28/06	3.8	502.02	
W-35A-12	7/18/06	3.99	501.83	
W-35A-12	10/23/06	6.71	499.11	
W-35A-13	1/31/06	11.1	492.24	
W-35A-13	4/18/06	6.25	497.09	
W-35A-13	7/18/06	6.28	497.06	
W-35A-13	10/23/06	10.43	492.91	
W-35A-14	1/31/06	14.1	498.43	
W-35A-14	4/18/06	8.65	503.88	
W-35A-14	7/18/06	8.51	504.02	
W-35A-14	10/23/06	8.62	503.91	
W-7A	1/10/06	13.45	511.43	
W-7A	4/20/06	12.1	512.78	
W-7A	7/18/06	12.57	512.31	
W-7A	10/23/06	12.7	512.18	
W-7B	1/9/06	18.6	492.84	
W-7B	4/20/06	14.68	496.76	
W-7B	7/18/06	14.91	496.53	
W-7B	10/23/06	18.79	492.65	
W-7C	1/9/06	12.67	505.2	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-7C	4/20/06	10.55	507.32	
W-7C	7/18/06	10.62	507.25	
W-7C	10/23/06	2.34	515.53	
W-7D	1/9/06	15.2	491.92	
W-7D	4/18/06	12.8	494.32	
W-7D	7/18/06	13.85	493.27	
W-7D	10/23/06	15.5	491.62	
W-7DS	1/9/06	15.25	491.35	
W-7DS	4/18/06	11.4	495.2	
W-7DS	7/20/06	11.36	495.24	
W-7DS	10/23/06	11.85	494.75	
W-7E	1/9/06	16.67	492.61	
W-7E	4/20/06	12.82	496.46	
W-7E	7/20/06	12.85	496.43	
W-7E	10/23/06	13.1	496.18	
W-7ES	1/9/06	16.5	493.21	
W-7ES	4/20/06	12.2	497.51	
W-7ES	7/20/06	12.35	497.36	
W-7ES	10/23/06	12.49	497.22	
W-7F	1/10/06	42.65	484.43	
W-7F	4/20/06	42.55	484.53	
W-7F	7/18/06	42.85	484.23	
W-7F	10/23/06	42.9	484.18	
W-7G	1/10/06	15.39	497.5	
W-7G	4/20/06	12.9	499.99	
W-7G	7/18/06	12.9	499.99	
W-7G	10/23/06	15.01	497.88	
W-7H	1/10/06	11.85	499.59	
W-7H	4/20/06	11.2	500.24	
W-7H	7/18/06	11.5	499.94	
W-7H	10/23/06	12.61	498.83	
W-7I	1/10/06	51.15	478.14	
W-7I	4/20/06	50.6	478.69	
W-7I	7/18/06	50.88	478.41	
W-7I	10/23/06	50.95	478.34	
W-7J	1/10/06	46.35	481.81	
W-7J	4/20/06	45.1	483.06	
W-7J	7/18/06	45.49	482.67	
W-7J	10/12/06	45.81	482.35	
W-7K	1/10/06	12.15	498.78	
W-7K	4/20/06	9.63	501.3	
W-7K	7/18/06	9.85	501.08	
W-7K	10/23/06	12.15	498.78	
W-7L	1/9/06	14.9	497.86	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-7L	4/20/06	12.45	500.31	
W-7L	7/18/06	12.97	499.79	
W-7L	10/23/06	15.07	497.69	
W-7M	1/9/06	12.55	495.2	
W-7M	4/20/06	9.25	498.5	
W-7M	7/18/06	9.65	498.1	
W-7M	10/23/06	12.8	494.95	
W-7N	1/9/06	15.42	492.76	
W-7N	4/20/06	11.43	496.75	
W-7N	7/18/06	11.51	496.67	
W-7N	10/23/06	15.25	492.93	
W-7O	1/10/06	23.55	492.54	
W-7O	4/20/06	19	497.09	
W-7O	7/18/06	19.09	497	
W-7O	10/12/06	25.6	490.49	
W-7P	1/9/06	17.35	492.57	
W-7P	4/20/06	16.1	493.82	
W-7P	7/18/06	16.99	492.93	
W-7P	10/23/06	20.88	489.04	
W-7PS	1/9/06	16.2	492.58	
W-7PS	4/20/06	12.15	496.63	
W-7PS	7/20/06	12.21	496.57	
W-7PS	10/23/06	15.19	493.59	
W-7Q	1/9/06	21.93	493.69	
W-7Q	4/20/06	17.95	497.67	
W-7Q	7/20/06	18.3	497.32	
W-7Q	10/12/06	22.51	493.11	
W-7R	1/9/06	17.5	492.9	
W-7R	4/20/06	13	497.4	
W-7R	7/20/06	13.85	496.55	
W-7R	10/23/06	17.9	492.5	
W-7S	1/9/06	17.58	490.38	
W-7S	4/20/06	12.4	495.56	
W-7S	7/19/06	12.46	495.5	
W-7S	10/23/06	16.79	491.17	
W-7T	1/9/06	16.45	491.41	
W-7T	4/20/06	12.21	495.65	
W-7T	7/19/06	12.3	495.56	
W-7T	10/23/06	16.39	491.47	
W-843-01	1/11/06	118.38	505.38	
W-843-01	4/18/06	116.72	507.04	
W-843-01	7/31/06	116.7	507.06	
W-843-01	10/12/06	117.27	506.49	
W-843-02	1/11/06	100.65	521.94	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-843-02	4/18/06	100.1	522.49	
W-843-02	7/31/06	99.75	522.84	
W-843-02	10/26/06	100.17	522.42	
W-872-01	1/11/06	32.65	497.99	
W-872-01	4/20/06	30.87	499.77	
W-872-01	7/20/06	30.58	500.06	
W-872-01	10/12/06	32.16	498.48	
W-872-02	1/11/06	34.9	497.56	
W-872-02	4/20/06	32.2	500.26	
W-872-02	7/20/06	32.11	500.35	
W-872-02	10/17/06	32.3	500.16	
W-873-01	1/11/06	25.7	508.23	
W-873-01	4/20/06	23.62	510.31	
W-873-01	7/20/06	23.1	510.83	
W-873-01	10/11/06	25.57	508.36	
W-873-02	1/11/06	33.25	499.88	
W-873-02	4/20/06	30.4	502.73	
W-873-02	7/20/06	29.8	503.33	
W-873-02	10/10/06	32.08	501.05	
W-873-03	1/11/06	29.55	504.24	
W-873-03	4/20/06	27.8	505.99	
W-873-03	7/20/06	28.09	505.7	
W-873-03	10/11/06	29.72	504.07	
W-873-04	1/11/06	19.5	511.91	
W-873-04	4/20/06	19.1	512.31	
W-873-04	7/20/06	18.73	512.68	
W-873-04	10/12/06	15.62	515.79	
W-873-06	1/11/06	32.7	500.36	
W-873-06	4/20/06	29.95	503.11	
W-873-06	7/20/06	29.5	503.56	
W-873-06	10/11/06	31.61	501.45	
W-873-07	1/11/06	37.45	495.45	
W-873-07	4/20/06	47.9	485	
W-873-07	7/20/06	31.1	501.8	
W-873-07	10/17/06	31.89	501.01	
W-875-01	1/11/06	20.25	512.15	
W-875-01	4/20/06	20.25	512.15	
W-875-01	7/20/06	20.5	511.9	
W-875-01	10/17/06	21.56	510.84	
W-875-02	1/11/06	21.35	510.01	
W-875-02	4/20/06	20.72	510.64	
W-875-02	7/20/06	21.43	509.93	
W-875-02	10/17/06	22.09	509.27	
W-875-03	1/11/06	-	-	DRY/CB

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-875-03	4/20/06	32.27	496.37	CB
W-875-03	7/20/06	30.8	497.84	CB
W-875-03	10/17/06	31.4	497.24	CB
W-875-04	1/11/06	19.9	512.33	
W-875-04	4/20/06	20.02	512.21	
W-875-04	7/20/06	20.27	511.96	
W-875-04	10/17/06	20.6	511.63	
W-875-05	1/11/06	22.8	513.9	
W-875-05	4/20/06	22.72	513.98	
W-875-05	7/20/06	22.84	513.86	
W-875-05	10/24/06	23.13	513.57	
W-875-06	1/11/06	23.1	506.32	
W-875-06	4/20/06	22.01	507.41	
W-875-06	7/20/06	22.25	507.17	
W-875-06	10/17/06	23.61	505.81	
W-875-07	1/11/06	35.8	492.64	
W-875-07	4/20/06	-	-	DRY
W-875-07	7/20/06	-	-	DRY
W-875-07	10/17/06	-	-	DRY
W-875-08	1/11/06	51.9	476.25	
W-875-08	4/20/06	-	-	DRY
W-875-08	7/20/06	-	-	DRY
W-875-08	10/17/06	-	-	DRY
W-875-09	1/11/06	-	-	DRY
W-875-09	4/20/06	-	-	DRY
W-875-09	7/20/06	-	-	DRY
W-875-09	10/17/06	-	-	DRY
W-875-10	1/11/06	-	-	DRY
W-875-10	4/20/06	-	-	DRY
W-875-10	7/20/06	-	-	DRY
W-875-10	10/12/06	-	-	DRY
W-875-11	1/11/06	-	-	DRY
W-875-11	4/20/06	42.5	486.66	MUD
W-875-11	7/20/06	42.37	486.79	
W-875-11	10/12/06	43.45	485.71	
W-875-15	1/11/06	-	-	DRY
W-875-15	4/20/06	-	-	DRY
W-875-15	7/20/06	-	-	DRY
W-875-15	10/12/06	-	-	DRY
W-876-01	1/11/06	22.6	515.38	
W-876-01	4/20/06	22.71	515.27	
W-876-01	7/20/06	23.01	514.97	
W-876-01	10/12/06	24.41	513.57	
W-879-01	1/11/06	37.5	514.82	

Table C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-879-01	4/20/06	36.4	515.92	
W-879-01	7/20/06	36.33	515.99	
W-879-01	10/12/06	36.79	515.53	
W-889-01	1/11/06	39	514.63	
W-889-01	4/6/06	38.94	514.69	
W-889-01	7/20/06	39.06	514.57	
W-889-01	10/12/06	38.95	514.68	
W-CGSA-1732	1/9/06	-	-	DRY
W-CGSA-1732	4/20/06	19.02	506.98	
W-CGSA-1732	7/20/06	19.48	503.37	
W-CGSA-1732	10/12/06	-	-	DRY
W-CGSA-1733	1/9/06	18.56	493.49	
W-CGSA-1733	4/20/06	14.3	497.75	
W-CGSA-1733	7/20/06	14.85	497.14	
W-CGSA-1733	10/12/06	18.52	493.47	
W-CGSA-1735	1/9/06	-	-	DRY
W-CGSA-1735	4/18/06	13.8	501.2	
W-CGSA-1735	7/20/06	14.07	495.3	
W-CGSA-1735	10/12/06	-	-	DRY
W-CGSA-1736	1/9/06	17.85	489.15	
W-CGSA-1736	4/18/06	13.1	493.9	
W-CGSA-1736	7/20/06	13.36	496.01	
W-CGSA-1736	10/12/06	14.21	495.16	
W-CGSA-1737	1/9/06	14.86	490.14	
W-CGSA-1737	4/20/06	10.75	494.25	
W-CGSA-1737	7/20/06	10.95	496.66	
W-CGSA-1737	10/12/06	14.9	492.71	
W-CGSA-1739	1/9/06	18.1	492.9	
W-CGSA-1739	4/20/06	14.85	496.15	
W-CGSA-1739	7/20/06	15.16	497.31	
W-CGSA-1739	10/12/06	19.26	493.21	

Table C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-1709	1/24/06	20.95	995.47	
W-834-1709	4/24/06	20.6	995.82	
W-834-1709	7/31/06	20.24	996.18	
W-834-1709	10/26/06	23.57	992.85	
W-834-1711	1/24/06	35.1	981.7	
W-834-1711	4/24/06	37	979.8	
W-834-1711	7/31/06	36.49	980.31	
W-834-1711	10/26/06	35.85	980.95	
W-834-1712	1/24/06	-	-	DRY
W-834-1712	4/24/06	-	-	DRY
W-834-1712	7/31/06	-	-	DRY
W-834-1712	10/26/06	-	-	DRY
W-834-1824	1/24/06	39.5	921.28	
W-834-1824	4/25/06	39.57	921.21	
W-834-1824	7/31/06	40.24	920.54	
W-834-1824	10/26/06	40.61	920.17	
W-834-1825	1/24/06	39.22	918.45	
W-834-1825	4/25/06	39.17	918.5	
W-834-1825	7/31/06	40.14	917.53	
W-834-1825	10/26/06	39.61	918.06	
W-834-1833	1/24/06	39.45	916.66	
W-834-1833	4/25/06	39.15	916.96	
W-834-1833	7/31/06	39.63	916.48	
W-834-1833	10/26/06	38.63	917.48	
W-834-2001	1/24/06	19.05	993.17	
W-834-2001	4/25/06	24.18	990.11	
W-834-2001	7/31/06	26	988.29	
W-834-2001	10/26/06	26.05	988.24	
W-834-2113	1/24/06	38.55	960.46	
W-834-2113	4/13/06	38.69	960.32	
W-834-2113	7/31/06	38.75	960.26	
W-834-2113	10/9/06	38.85	960.16	
W-834-2117	4/13/06	40.61	931.28	
W-834-2117	7/31/06	40.6	931.29	
W-834-2117	10/9/06	40.71	931.18	
W-834-2118	1/25/06	28.5	908.78	
W-834-2118	4/26/06	28.6	908.68	
W-834-2118	7/31/06	28.8	908.48	
W-834-2118	10/26/06	29.12	908.16	
W-834-2119	4/25/06	55.65	897.56	
W-834-2119	7/31/06	55.83	897.38	
W-834-2119	10/26/06	56.21	897	
W-834-A1	1/24/06	30.15	984.94	CB
W-834-A1	4/24/06	29.5	985.59	CB

Table C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-A1	7/25/06	29.24	985.85	CB
W-834-A1	10/26/06	30.56	984.53	CB
W-834-A2	1/24/06	-	-	DRY
W-834-A2	4/24/06	17.35	998.13	DRY
W-834-A2	7/24/06	-	-	DRY
W-834-A2	10/26/06	-	-	DRY
W-834-B2	1/24/06	16.15	1002.24	VE
W-834-B2	4/24/06	16.15	1002.24	VE
W-834-B2	7/31/06	16.35	1002.04	VE
W-834-B2	10/26/06	16.35	1002.04	VE
W-834-B3	1/24/06	11.4	1006.75	VE
W-834-B3	4/26/06	11.25	1006.9	VE
W-834-B3	7/31/06	11.39	1006.76	VE
W-834-B3	10/26/06	11.4	1006.75	VE
W-834-B4	1/25/06	13.21	1002.36	CB
W-834-B4	4/24/06	12.3	1003.27	CB
W-834-B4	7/24/06	14.2	1001.37	CB
W-834-B4	10/26/06	-	-	DRY/CB
W-834-C2	1/24/06	17.55	1002.25	
W-834-C2	4/24/06	16.85	1002.95	
W-834-C2	7/31/06	-	-	DRY
W-834-C2	10/26/06	-	-	DRY
W-834-C4	1/24/06	7.35	1012.05	
W-834-C4	4/24/06	6.75	1012.65	
W-834-C4	7/24/06	9.61	1009.79	
W-834-C4	10/26/06	11.5	1007.9	
W-834-C5	1/24/06	10.25	1005.42	
W-834-C5	4/24/06	9.1	1006.57	
W-834-C5	7/24/06	11.89	1003.78	
W-834-C5	10/26/06	13.8	1001.87	
W-834-D10	1/23/06	34.4	983.78	
W-834-D10	4/25/06	33.32	983.09	
W-834-D10	7/24/06	33.15	983.26	
W-834-D10	10/26/06	33.71	982.7	
W-834-D11	1/23/06	23.9	993.64	
W-834-D11	4/25/06	23.95	993.59	
W-834-D11	7/31/06	24.15	993.39	
W-834-D11	10/26/06	24.4	993.14	
W-834-D12	1/24/06	29.45	986.84	VE
W-834-D12	4/25/06	29.35	986.94	VE
W-834-D12	7/31/06	29.44	986.85	VE
W-834-D12	10/26/06	30.35	985.94	VE
W-834-D13	1/24/06	-	-	DRY/VE
W-834-D13	4/25/06	29.1	988.89	VE

Table C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-D13	7/31/06	30.23	987.76	VE
W-834-D13	10/26/06	29	988.99	VE
W-834-D14	1/23/06	29.9	988.47	
W-834-D14	4/25/06	29.4	988.97	
W-834-D14	7/31/06	30.89	987.48	
W-834-D14	10/26/06	31.76	986.61	
W-834-D15	1/24/06	21.65	996.51	
W-834-D15	4/24/06	21.9	996.26	
W-834-D15	7/31/06	23.83	994.33	
W-834-D15	10/26/06	24.8	993.36	
W-834-D16	1/24/06	-	-	DRY
W-834-D16	4/25/06	-	-	DRY
W-834-D16	7/24/06	-	-	DRY
W-834-D16	10/26/06	-	-	DRY
W-834-D17	1/24/06	-	-	DRY
W-834-D17	4/25/06	-	-	DRY
W-834-D17	7/31/06	-	-	DRY
W-834-D17	10/26/06	-	-	DRY
W-834-D18	1/24/06	26.25	992.21	
W-834-D18	4/25/06	26.5	991.96	
W-834-D18	7/31/06	27.57	990.89	
W-834-D18	10/26/06	28.2	990.26	
W-834-D2	1/24/06	-	-	DRY
W-834-D2	4/24/06	-	-	DRY
W-834-D2	7/31/06	-	-	DRY
W-834-D2	10/26/06	-	-	DRY
W-834-D3	1/24/06	25.8	992.75	
W-834-D3	4/25/06	25.5	993.05	
W-834-D3	7/31/06	28.17	990.38	
W-834-D3	10/26/06	27.7	990.85	
W-834-D4	1/24/06	35.15	983.21	
W-834-D4	4/25/06	35.24	983.12	
W-834-D4	7/31/06	35.8	982.56	
W-834-D4	10/26/06	-	-	DRY
W-834-D5	1/24/06	29.45	989.02	
W-834-D5	4/25/06	29.68	988.79	
W-834-D5	7/31/06	29.72	988.75	
W-834-D5	10/26/06	31.85	986.62	
W-834-D6	1/23/06	34.35	983.93	
W-834-D6	4/25/06	34.37	983.91	
W-834-D6	7/31/06	-	-	DRY
W-834-D6	10/26/06	-	-	DRY
W-834-D7	1/24/06	-	-	DRY
W-834-D7	4/25/06	32.48	981.44	

Table C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-D7	7/31/06	-	-	DRY
W-834-D7	10/26/06	-	-	DRY
W-834-D9A	1/24/06	-	-	DRY
W-834-D9A	4/26/06	-	-	DRY
W-834-D9A	7/31/06	-	-	DRY
W-834-D9A	10/26/06	-	-	DRY
W-834-G3	1/24/06	-	-	DRY
W-834-G3	4/25/06	-	-	DRY
W-834-G3	7/31/06	-	-	DRY
W-834-G3	10/26/06	-	-	DRY
W-834-H2	1/24/06	31.3	995.47	
W-834-H2	4/25/06	31.5	995.27	
W-834-H2	7/31/06	31.19	992.82	
W-834-H2	10/26/06	31.98	992.03	
W-834-J1	1/24/06	30.75	991.7	VE
W-834-J1	4/25/06	30.9	991.55	VE
W-834-J1	7/31/06	31.02	988.75	VE
W-834-J1	10/26/06	31.4	988.37	VE
W-834-J2	1/24/06	33.1	989.75	
W-834-J2	4/25/06	33.6	989.25	
W-834-J2	7/31/06	33.46	986.46	
W-834-J2	10/26/06	35.12	984.8	
W-834-J3	1/24/06	-	-	MUD/DRY
W-834-J3	4/25/06	75.5	962.93	MUD
W-834-J3	7/31/06	75.24	963.19	
W-834-J3	10/26/06	75.14	963.29	
W-834-K1A	1/24/06	30.55	968.1	
W-834-K1A	4/25/06	30.42	968.23	
W-834-K1A	7/25/06	30.28	968.37	
W-834-K1A	10/26/06	30.14	968.51	
W-834-M1	1/24/06	60.5	964.01	
W-834-M1	4/25/06	60.55	963.96	
W-834-M1	7/31/06	60.44	964.07	
W-834-M1	10/26/06	60.02	964.49	
W-834-M2	1/24/06	-	-	DRY
W-834-M2	4/26/06	-	-	DRY
W-834-M2	7/31/06	72.65	936.18	
W-834-M2	10/26/06	-	-	DRY
W-834-S1	1/24/06	35.35	966.73	
W-834-S1	4/25/06	35.3	966.78	
W-834-S1	7/31/06	35.16	966.92	
W-834-S1	10/26/06	35	967.08	
W-834-S10	1/24/06	-	-	DRY
W-834-S10	4/25/06	-	-	DRY

Table C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-S10	7/31/06	-	-	DRY
W-834-S10	10/26/06	-	-	DRY
W-834-S12A	1/24/06	50.8	953.93	
W-834-S12A	4/25/06	50.73	954	
W-834-S12A	7/31/06	50.72	954.01	
W-834-S12A	10/26/06	50.6	954.13	
W-834-S13	1/24/06	47	956.73	
W-834-S13	4/25/06	47.04	956.69	
W-834-S13	7/31/06	46.95	956.79	
W-834-S13	10/26/06	47.13	956.61	
W-834-S4	1/24/06	78.3	948.37	
W-834-S4	4/25/06	78.2	948.47	
W-834-S4	7/31/06	78.43	948.24	
W-834-S4	10/26/06	78.35	948.32	
W-834-S5	1/25/06	-	-	DRY
W-834-S5	4/26/06	-	-	DRY
W-834-S5	7/31/06	-	-	DRY
W-834-S5	10/26/06	-	-	DRY
W-834-S6	1/25/06	32.6	896.82	
W-834-S6	4/26/06	33.13	896.29	
W-834-S6	7/31/06	33.25	896.17	
W-834-S6	10/26/06	33.3	896.12	
W-834-S7	1/25/06	49.1	889.47	
W-834-S7	4/26/06	-	-	DRY
W-834-S7	7/31/06	49.3	889.27	
W-834-S7	10/26/06	49.8	888.77	
W-834-S8	1/24/06	55.9	946.82	
W-834-S8	4/25/06	56.43	946.29	
W-834-S8	7/31/06	56.05	946.67	
W-834-S8	10/26/06	56.2	946.52	
W-834-S9	1/24/06	53.9	946.6	
W-834-S9	4/25/06	54.07	946.43	
W-834-S9	7/31/06	53.43	947.07	
W-834-S9	10/26/06	53.66	946.84	
W-834-T1	1/23/06	314.4	644.52	
W-834-T1	4/13/06	314.14	644.78	
W-834-T1	7/5/06	314.19	644.73	
W-834-T1	10/3/06	314.35	644.57	
W-834-T11	1/23/06	-	-	DRY
W-834-T11	4/25/06	-	-	DRY
W-834-T11	7/31/06	-	-	DRY
W-834-T11	10/26/06	-	-	DRY
W-834-T2	1/24/06	40.45	917.51	
W-834-T2	4/25/06	40.25	917.71	

Table C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-T2	7/31/06	40.68	919.08	
W-834-T2	10/26/06	40.72	919.04	
W-834-T2A	1/24/06	39.27	919.51	
W-834-T2A	4/25/06	39	919.78	
W-834-T2A	7/31/06	39.8	918.98	
W-834-T2A	10/26/06	40.18	918.6	
W-834-T2B	1/24/06	38.57	918.23	
W-834-T2B	4/25/06	-	-	DRY
W-834-T2B	7/31/06	-	-	DRY
W-834-T2B	10/26/06	-	-	DRY
W-834-T2C	1/24/06	-	-	DRY
W-834-T2C	4/25/06	-	-	DRY
W-834-T2C	7/31/06	-	-	DRY
W-834-T2C	10/26/06	-	-	DRY
W-834-T2D	1/24/06	36.53	917.86	
W-834-T2D	4/25/06	36.4	917.99	
W-834-T2D	7/31/06	36.64	917.75	
W-834-T2D	10/26/06	37.39	917	
W-834-T3	1/23/06	325.88	606.66	
W-834-T3	4/13/06	325.68	606.86	
W-834-T3	7/5/06	325.21	607.33	
W-834-T3	10/3/06	325.54	607	
W-834-T5	1/25/06	76.6	854.37	
W-834-T5	4/24/06	76.6	854.37	
W-834-T5	7/31/06	76.54	854.43	
W-834-T5	10/26/06	76.18	854.79	
W-834-T7A	1/25/06	76.52	843.36	
W-834-T7A	4/25/06	76.5	843.38	
W-834-T7A	7/31/06	76.35	843.53	
W-834-T7A	10/26/06	76.49	843.39	
W-834-T8A	1/25/06	-	-	DRY
W-834-T8A	4/26/06	-	-	DRY
W-834-T8A	7/31/06	-	-	DRY
W-834-T8A	10/26/06	-	-	DRY
W-834-T9	1/24/06	-	-	DRY
W-834-T9	4/25/06	-	-	DRY
W-834-T9	7/31/06	-	-	DRY
W-834-T9	10/26/06	-	-	DRY
W-834-U1	1/24/06	24.43	987.83	CB
W-834-U1	4/26/06	23.75	988.5	CB
W-834-U1	7/25/06	23.89	988.37	CB
W-834-U1	10/26/06	24.01	988.25	CB

Table C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
BC6-10	1/19/06	28	659.55	
BC6-10	4/17/06	27.6	659.95	
BC6-10	7/24/06	26.75	660.8	
BC6-10	10/2/06	27.95	659.6	
BC6-13	1/19/06	-	-	DRY
BC6-13	4/17/06	-	-	DRY
BC6-13	7/24/06	-	-	DRY
BC6-13	10/2/06	-	-	DRY
CARNRW1	1/10/06	24.76	653.97	
CARNRW1	7/6/06	28.72	650.01	
CARNRW1	10/2/06	34.09	644.64	
CARNRW2	4/3/06	-	-	NM
CARNRW3	1/11/06	32.81	670.19	
CARNRW3	4/3/06	31.34	671.66	
CARNRW3	7/6/06	8.37	694.63	
CARNRW3	10/2/06	36.13	666.87	
CARNRW4	1/11/06	9.67	642.08	
CARNRW4	4/3/06	5.58	646.17	
CARNRW4	7/6/06	9.7	642.05	
CARNRW4	10/2/06	12.25	639.5	
EP6-06	1/19/06	27.05	661.06	
EP6-06	4/17/06	26.68	661.43	
EP6-06	7/24/06	26.8	661.31	
EP6-06	10/2/06	26.9	661.21	
EP6-07	1/19/06	47.8	659.75	
EP6-07	4/17/06	45.25	662.3	
EP6-07	7/17/06	50.7	656.85	
EP6-07	10/2/06	52.5	655.05	
EP6-08	1/19/06	49	659.41	
EP6-08	4/17/06	46.3	662.11	
EP6-08	7/18/06	51.96	656.45	
EP6-08	10/2/06	56.8	651.61	
EP6-09	1/3/06	28.04	666.24	
EP6-09	4/17/06	30.15	664.13	
EP6-09	7/19/06	29.78	664.5	
EP6-09	10/2/06	29.7	664.58	
K6-01	1/19/06	27.2	664.41	
K6-01	4/17/06	27.3	664.31	
K6-01	7/24/06	26.77	664.84	
K6-01	10/2/06	26.97	664.64	
K6-01S	1/3/06	28.04	664.48	
K6-01S	4/17/06	28.3	664.22	
K6-01S	7/19/06	27.97	664.55	
K6-01S	10/2/06	28	664.52	

Table C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K6-03	1/19/06	67	659.75	
K6-03	4/17/06	64.52	662.23	
K6-03	7/17/06	70.04	656.71	
K6-03	10/2/06	70.32	656.43	
K6-04	1/19/06	48.35	659.97	
K6-04	4/17/06	45.9	662.42	
K6-04	7/24/06	49	659.32	
K6-04	8/2/06	51.35	656.97	
K6-04	10/2/06	51.05	657.27	
K6-14	1/19/06	20.79	660.08	
K6-14	4/17/06	20.02	660.85	
K6-14	7/24/06	21.2	659.67	
K6-14	10/2/06	22.53	658.34	
K6-15	1/19/06	-	-	DRY
K6-15	4/17/06	-	-	DRY
K6-15	7/24/06	-	-	DRY
K6-15	10/2/06	-	-	DRY
K6-16	1/19/06	17.78	661.67	
K6-16	4/17/06	17.42	662.03	
K6-16	7/24/06	18.35	661.1	
K6-16	10/2/06	18.62	660.83	
K6-17	1/19/06	20.65	658.06	
K6-17	4/17/06	18.31	660.4	
K6-17	7/13/06	20.35	658.36	
K6-17	10/2/06	23	655.71	
K6-18	1/19/06	25.24	660.36	
K6-18	4/17/06	25.2	660.4	
K6-18	7/24/06	25.34	660.26	
K6-18	10/2/06	25.59	660.01	
K6-19	1/19/06	29.3	663.74	
K6-19	4/17/06	29.35	663.69	
K6-19	7/18/06	29.18	663.86	
K6-19	10/2/06	29.15	663.89	
K6-21	1/19/06	-	-	DRY
K6-21	4/17/06	-	-	DRY
K6-21	7/24/06	-	-	DRY
K6-21	10/2/06	-	-	DRY
K6-22	1/19/06	35.05	646.48	
K6-22	4/17/06	34.9	646.63	
K6-22	7/13/06	34.25	647.28	
K6-22	10/2/06	34	647.53	
K6-23	1/19/06	23.8	657.19	
K6-23	4/17/06	23.02	657.97	
K6-23	7/24/06	23.52	657.47	

Table C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K6-23	10/2/06	24	656.99	
K6-24	1/19/06	27.9	659.03	
K6-24	4/17/06	25.2	661.73	
K6-24	7/24/06	25.61	661.32	
K6-24	8/2/06	31.49	655.43	
K6-24	10/2/06	27.13	659.8	
K6-25	1/19/06	18.5	661.25	
K6-25	4/17/06	18.3	661.45	
K6-25	7/24/06	18.77	660.98	
K6-25	10/2/06	19.09	660.66	
K6-26	1/19/06	27.95	659.38	
K6-26	4/17/06	25.45	661.88	
K6-26	7/24/06	26.05	661.28	
K6-26	10/2/06	27.39	659.94	
K6-27	1/19/06	28.85	658.34	
K6-27	4/17/06	26.24	660.95	
K6-27	7/24/06	26.94	660.25	
K6-27	10/2/06	28.85	658.34	
K6-32	1/19/06	69.1	660.36	
K6-32	4/17/06	66.65	662.81	
K6-32	7/24/06	69.74	659.72	
K6-32	8/3/06	72.1	657.36	
K6-32	10/2/06	71.49	657.97	
K6-33	1/19/06	28.15	654.09	
K6-33	4/17/06	24.5	657.74	
K6-33	7/24/06	27.41	654.83	
K6-33	8/3/06	31.74	650.49	
K6-33	10/2/06	30.21	652.03	
K6-34	1/19/06	50.9	652.38	
K6-34	4/17/06	46.85	656.43	
K6-34	7/12/06	56.02	647.26	
K6-34	10/2/06	59.95	643.33	
K6-35	1/19/06	33.35	659.61	
K6-35	4/17/06	30.8	662.16	
K6-35	7/24/06	31.51	661.45	
K6-35	10/2/06	34.91	658.05	
K6-36	1/19/06	30.85	659.53	CB
K6-36	4/17/06	28.25	662.13	CB
K6-36	7/24/06	27.87	662.51	CB
K6-36	10/2/06	-	-	DRY/CB
W-33C-01	1/12/06	12.7	639.81	
W-33C-01	4/28/06	-	-	FL
W-33C-01	7/13/06	11.84	640.67	
W-33C-01	10/23/06	12.3	640.21	

Table C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-34-01	1/12/06	-	-	NM
W-34-01	4/6/06	-	-	NM/UC
W-34-01	7/18/06	-	-	NM/UC
W-34-01	10/23/06	-	-	NM/UC
W-34-02	1/12/06	-	-	NM
W-34-02	4/6/06	-	-	NM/UC
W-34-02	7/18/06	-	-	NM/UC
W-34-02	10/23/06	-	-	NM/UC
W-PIT6-1819	1/19/06	64	651.87	
W-PIT6-1819	4/17/06	60.15	655.72	
W-PIT6-1819	7/12/06	69.1	646.77	
W-PIT6-1819	10/2/06	73.7	642.17	

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
GALLO1	1/31/06	-	-	NM/UC
GALLO1	4/18/06	-	-	NM/UC
W-35B-01	1/4/06	17.57	505.45	
W-35B-01	4/19/06	14.89	508.13	
W-35B-01	7/18/06	14.78	508.24	
W-35B-01	10/11/06	18.99	504.03	
W-35B-02	1/4/06	17.14	505.89	
W-35B-02	4/19/06	13.91	509.12	
W-35B-02	7/18/06	14.05	508.98	
W-35B-02	10/11/06	17.85	505.18	
W-35B-03	1/4/06	16.13	506.97	
W-35B-03	4/19/06	13.65	509.45	
W-35B-03	7/18/06	13.66	509.44	
W-35B-03	10/11/06	17.27	505.83	
W-35B-04	1/4/06	11.66	517.3	
W-35B-04	4/19/06	4.74	524.22	
W-35B-04	7/10/06	11.02	517.94	
W-35B-04	10/2/06	12.81	516.15	
W-35B-05	1/4/06	11.72	517.01	
W-35B-05	4/19/06	4.52	524.21	
W-35B-05	7/10/06	11.16	517.57	
W-35B-05	10/2/06	12.82	515.91	
W-35C-01	1/25/06	-	-	FL
W-35C-01	4/20/06	-	-	FL
W-35C-01	7/18/06	-	-	FL
W-35C-01	10/23/06	-	-	FL
W-35C-02	1/12/06	37.35	535.45	
W-35C-02	4/25/06	68.05	504.75	
W-35C-02	7/18/06	68	504.8	
W-35C-02	10/23/06	71.23	501.57	
W-35C-04	1/12/06	11.66	520.06	
W-35C-04	4/20/06	3.02	528.7	
W-35C-04	7/18/06	3.25	528.47	
W-35C-04	10/11/06	28.9	502.82	ME
W-35C-05	1/10/06	22.21	508.92	
W-35C-05	4/20/06	23.15	507.98	
W-35C-05	7/18/06	23.28	507.85	
W-35C-05	10/23/06	25.19	505.94	
W-35C-06	1/10/06	23.52	508.21	
W-35C-06	4/20/06	18.96	512.77	
W-35C-06	7/18/06	19.01	512.72	
W-35C-06	10/23/06	23.89	507.84	
W-35C-07	1/10/06	4.85	527.29	
W-35C-07	4/20/06	1.17	530.97	

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35C-07	7/18/06	1.2	530.94	
W-35C-07	10/23/06	5.08	527.06	
W-35C-08	1/10/06	23.3	508.99	
W-35C-08	4/20/06	18.95	513.34	
W-35C-08	7/18/06	19.4	512.89	
W-35C-08	10/23/06	22.85	509.44	
W-4A	1/31/06	6.78	523.69	
W-4A	4/18/06	4.55	525.92	
W-4A	7/18/06	6.08	524.39	
W-4A	10/23/06	2.39	528.08	
W-4AS	1/31/06	8.85	522.8	
W-4AS	4/18/06	7.2	524.45	
W-4AS	7/18/06	9.18	522.47	
W-4AS	10/23/06	10.29	521.36	
W-4B	1/31/06	5.8	524.54	
W-4B	4/20/06	2.1	528.24	
W-4B	7/18/06	2.86	527.48	
W-4B	10/23/06	7.03	523.31	
W-4C	1/31/06	7.1	522.68	
W-4C	4/20/06	4.6	525.18	
W-4C	7/18/06	5.19	524.59	
W-4C	10/23/06	12.36	517.42	
W-6BD	1/25/06	23.15	510.12	
W-6BD	4/20/06	18.05	515.22	
W-6BD	7/18/06	19.7	513.57	
W-6BD	10/23/06	23.36	509.91	
W-6BS	1/25/06	23.05	510.18	
W-6BS	4/20/06	18	515.23	
W-6BS	7/18/06	18.06	515.17	
W-6BS	10/23/06	22.96	510.27	
W-6CD	1/12/06	31.22	548.82	
W-6CD	4/20/06	28.85	551.19	
W-6CD	7/18/06	29.76	550.28	
W-6CD	10/23/06	30.02	550.02	
W-6CI	1/12/06	30.8	549.71	
W-6CI	4/20/06	29.62	550.89	
W-6CI	7/18/06	30.05	550.46	
W-6CI	10/23/06	31.04	549.47	
W-6CS	1/12/06	24.8	554.88	
W-6CS	4/20/06	25.16	554.52	
W-6CS	7/18/06	25.72	553.96	
W-6CS	10/23/06	26.9	552.78	
W-6EI	1/10/06	5.81	525.51	
W-6EI	4/20/06	1.47	529.85	

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-6EI	7/18/06	1.92	529.4	
W-6EI	10/23/06	3.45	527.87	
W-6ER	1/12/06	51.65	481.62	
W-6ER	4/20/06	56.55	476.72	
W-6ER	7/18/06	57.19	476.08	
W-6ER	10/23/06	8.7	524.57	ME
W-6ES	1/10/06	23.42	508.07	
W-6ES	4/20/06	18.95	512.54	
W-6ES	7/18/06	19.82	511.67	
W-6ES	10/23/06	23.7	507.79	
W-6F	1/12/06	60.45	558.41	
W-6F	4/20/06	59.3	559.56	
W-6F	7/18/06	59.61	559.25	
W-6F	10/23/06	60.18	558.68	
W-6G	1/12/06	60.8	559.12	
W-6G	4/20/06	59.55	560.37	
W-6G	7/18/06	59.18	560.74	
W-6G	10/23/06	62.53	557.39	
W-6H	1/12/06	8.08	553.26	
W-6H	4/20/06	6.95	554.39	
W-6H	7/19/06	8.13	553.21	
W-6H	10/23/06	9.25	552.09	
W-6I	1/12/06	26.81	534.48	
W-6I	4/20/06	29.62	531.67	
W-6I	7/19/06	28.21	533.08	
W-6I	10/23/06	30.45	530.84	
W-6J	1/12/06	8.64	550.72	
W-6J	4/19/06	7.58	551.78	
W-6J	7/19/06	8.69	550.67	
W-6J	10/23/06	9.85	549.51	
W-6K	1/12/06	3.15	530.69	
W-6K	4/20/06	-	-	FL
W-6K	7/18/06	-	-	FL
W-6K	10/23/06	-	-	FL
W-6L	1/12/06	3.15	530.76	
W-6L	4/20/06	-	-	FL
W-6L	7/18/06	-	-	FL
W-6L	10/23/06	-	-	FL
W-806-06A	1/25/06	124.15	697.16	
W-806-06A	4/27/06	123.95	697.36	
W-806-06A	7/20/06	124.52	696.79	
W-806-06A	10/30/06	124.78	696.53	
W-806-07	1/25/06	-	-	DRY
W-806-07	4/27/06	-	-	DRY

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-806-07	7/20/06	-	-	DRY
W-806-07	10/30/06	-	-	DRY
W-808-01	1/25/06	47.75	854.26	
W-808-01	4/26/06	47.7	854.31	
W-808-01	7/20/06	48.58	853.43	
W-808-01	10/30/06	49.36	852.65	
W-808-02	1/25/06	-	-	DRY
W-808-02	4/26/06	-	-	DRY
W-808-02	7/20/06	-	-	DRY
W-808-02	10/30/06	-	-	DRY
W-808-03	1/25/06	295.35	607.54	
W-808-03	4/26/06	295.6	607.29	
W-808-03	7/20/06	295.36	607.53	
W-808-03	10/30/06	295.7	607.19	
W-809-01	1/20/06	68.03	722.2	
W-809-01	4/26/06	68.05	722.18	
W-809-01	7/20/06	67.97	722.26	
W-809-01	10/30/06	68	722.23	
W-809-02	1/20/06	140.65	651.17	
W-809-02	4/26/06	140.4	651.42	
W-809-02	7/31/06	140.58	651.24	
W-809-02	10/30/06	140.71	651.11	
W-809-03	1/25/06	104.4	641.67	
W-809-03	4/26/06	102.48	643.59	
W-809-03	7/20/06	102.54	643.53	
W-809-03	10/30/06	103.65	642.42	
W-809-04	1/20/06	69.43	706.62	
W-809-04	4/26/06	69.85	706.2	
W-809-04	7/20/06	75.72	700.33	
W-809-04	10/30/06	80.1	695.95	
W-810-01	1/25/06	238.3	602.73	
W-810-01	4/26/06	238.1	602.93	
W-810-01	7/20/06	240.05	600.98	
W-810-01	10/17/06	239.68	601.35	
W-814-01	1/31/06	110.3	698.53	
W-814-01	4/28/06	110.14	698.69	
W-814-01	7/27/06	110.37	698.46	
W-814-01	10/30/06	110.7	698.13	
W-814-02	1/31/06	162.4	631.28	
W-814-02	4/28/06	160.05	633.63	
W-814-02	7/27/06	160.2	633.48	
W-814-02	10/30/06	161.12	632.56	
W-814-03	1/31/06	-	-	DRY
W-814-03	4/28/06	-	-	DRY

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-814-03	7/27/06	-	-	DRY
W-814-03	10/30/06	-	-	DRY
W-814-04	1/31/06	232.25	582.44	
W-814-04	4/28/06	232.43	582.26	
W-814-04	7/27/06	232.22	582.47	
W-814-04	10/30/06	232.68	582.01	
W-815-01	1/25/06	-	-	DRY
W-815-01	4/26/06	-	-	DRY
W-815-01	7/27/06	-	-	DRY
W-815-01	10/30/06	-	-	DRY
W-815-02	1/25/06	96.35	625.26	
W-815-02	4/26/06	92.82	628.79	
W-815-02	7/27/06	95.6	626.01	
W-815-02	10/30/06	96.7	624.91	
W-815-03	1/25/06	-	-	DRY
W-815-03	4/26/06	46.68	675.78	
W-815-03	7/20/06	-	-	DRY
W-815-03	10/30/06	-	-	DRY
W-815-04	1/25/06	88.95	633.7	
W-815-04	4/26/06	87.72	634.93	
W-815-04	7/27/06	86.27	636.38	
W-815-04	10/30/06	111	611.65	ME
W-815-05	1/20/06	31.15	681.06	
W-815-05	4/26/06	28.95	683.26	
W-815-05	7/20/06	33.15	679.06	
W-815-05	10/30/06	33.6	678.61	
W-815-06	1/31/06	132.6	623.38	
W-815-06	4/28/06	131.3	624.68	
W-815-06	7/27/06	131.41	624.57	
W-815-06	10/30/06	131.89	624.09	
W-815-07	1/31/06	140.7	621.97	
W-815-07	4/28/06	139.47	623.2	
W-815-07	7/27/06	139.57	623.1	
W-815-07	10/30/06	140.37	622.3	
W-815-08	1/20/06	125.44	598.35	
W-815-08	4/20/06	125.01	598.78	
W-815-08	7/10/06	124.67	599.12	
W-815-08	10/30/06	124.9	598.89	
W-815-1918	1/25/06	91.25	652.36	
W-815-1918	4/26/06	94.26	649.35	
W-815-1918	7/27/06	94.51	649.1	
W-815-1918	10/30/06	95.62	647.99	
W-815-1928	1/25/06	28.15	715.9	
W-815-1928	4/26/06	-	-	DRY

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-815-1928	7/27/06	-	-	DRY
W-815-1928	10/30/06	-	-	DRY
W-817-02	1/25/06	-	-	NM
W-817-02	4/26/06	-	-	NM
W-817-02	7/27/06	-	-	NM
W-817-02	10/30/06	-	-	NM
W-817-03	1/25/06	101.7	572.21	
W-817-03	4/26/06	103.4	570.51	
W-817-03	7/27/06	98.05	575.86	
W-817-03	10/30/06	102.2	571.71	
W-817-03A	1/25/06	6.3	671.7	
W-817-03A	4/26/06	6.22	671.78	
W-817-03A	7/20/06	6.59	671.41	
W-817-03A	10/30/06	6.83	671.17	
W-817-04	1/25/06	80.3	602.89	
W-817-04	4/26/06	76.38	606.81	
W-817-04	7/27/06	76.44	606.75	
W-817-04	10/30/06	74.7	608.49	
W-817-05	1/25/06	128.9	635.43	
W-817-05	4/26/06	128.73	635.6	
W-817-05	7/27/06	128.52	635.81	
W-817-05	10/30/06	128.65	635.68	
W-817-06A	1/25/06	95.5	672.96	
W-817-06A	4/26/06	88.9	679.56	
W-817-06A	7/27/06	94.65	673.81	
W-817-06A	10/30/06	84.25	684.21	
W-817-07	1/20/06	96.57	571.38	
W-817-07	4/26/06	96.15	571.8	
W-817-07	7/20/06	97.26	570.69	
W-817-07	10/30/06	97.9	570.05	
W-818-01	1/31/06	96.9	583.87	
W-818-01	4/28/06	96.7	584.07	
W-818-01	7/27/06	96.62	584.15	
W-818-01	10/30/06	97.25	583.52	
W-818-03	1/31/06	57.52	541.35	
W-818-03	4/24/06	56	542.87	
W-818-03	7/27/06	56.8	542.07	
W-818-03	10/30/06	57.69	541.18	
W-818-04	1/31/06	65.8	548.26	
W-818-04	4/24/06	64.35	549.71	
W-818-04	7/27/06	64.7	549.36	
W-818-04	10/30/06	65.9	548.16	
W-818-06	1/31/06	70.8	542.72	
W-818-06	4/24/06	68.95	544.57	

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-818-06	7/27/06	69.75	543.77	
W-818-06	10/30/06	71.21	542.31	
W-818-07	1/31/06	70.8	543.41	
W-818-07	4/24/06	69.02	545.19	
W-818-07	7/27/06	69.61	544.6	
W-818-07	10/30/06	70.81	543.4	
W-818-08	1/31/06	105.5	543.4	
W-818-08	4/28/06	104.9	544	
W-818-08	7/27/06	107	541.9	
W-818-08	10/30/06	105.1	543.8	
W-818-09	1/31/06	102.9	538	
W-818-09	4/28/06	105	535.9	
W-818-09	7/27/06	109	531.9	
W-818-09	10/30/06	110.8	530.1	
W-818-11	1/31/06	150.85	596.84	
W-818-11	4/28/06	150.48	597.21	
W-818-11	7/27/06	150.64	597.05	
W-818-11	10/30/06	150.9	596.79	
W-819-02	1/31/06	226.35	595.77	
W-819-02	4/28/06	226.1	596.02	
W-819-02	7/27/06	225.29	596.83	
W-819-02	10/30/06	225.41	596.71	
W-823-01	1/12/06	17.19	574.06	
W-823-01	4/20/06	16.35	574.9	
W-823-01	7/27/06	17.66	573.59	
W-823-01	10/30/06	17.85	573.4	
W-823-02	1/12/06	16.39	573.99	
W-823-02	4/20/06	15.5	574.88	
W-823-02	7/19/06	18.18	572.2	
W-823-02	10/30/06	18.76	571.62	
W-823-03	1/12/06	16.57	573.45	
W-823-03	4/20/06	15.82	574.2	
W-823-03	7/19/06	17.87	572.15	
W-823-03	10/30/06	18.26	571.76	
W-823-13	1/12/06	50.15	572.09	
W-823-13	4/20/06	49.25	572.99	
W-823-13	7/19/06	50.86	571.38	
W-823-13	10/30/06	51.23	571.01	
W-827-01	1/31/06	-	-	DRY
W-827-01	4/28/06	-	-	DRY
W-827-01	7/27/06	-	-	DRY
W-827-01	10/30/06	-	-	DRY
W-827-02	1/31/06	55.65	867.2	
W-827-02	4/28/06	55.15	867.7	

Table C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-827-02	7/27/06	51.35	871.5	
W-827-02	10/30/06	51.76	871.09	
W-827-03	1/31/06	195.3	729.1	
W-827-03	4/28/06	195.25	729.15	
W-827-03	7/27/06	193.97	730.43	
W-827-03	10/30/06	195.08	729.32	
W-827-04	1/31/06	-	-	DRY
W-827-04	4/28/06	-	-	DRY
W-827-04	7/27/06	-	-	DRY
W-827-04	10/30/06	-	-	DRY
W-827-05	1/31/06	382.57	651.31	
W-827-05	4/28/06	383	650.88	
W-827-05	7/27/06	382.82	651.06	
W-827-05	10/30/06	387.69	646.19	
W-829-08	1/31/06	98.95	975.8	
W-829-08	4/28/06	92.6	982.15	
W-829-08	7/27/06	93.01	981.74	
W-829-08	10/30/06	92.85	981.9	
W-829-15	1/31/06	337.08	696.92	
W-829-15	4/6/06	337.22	696.78	
W-829-15	7/27/06	337.01	696.99	
W-829-15	10/30/06	337.4	696.6	
W-829-1938	1/11/06	374.65	705.35	
W-829-1938	4/19/06	374.59	705.41	
W-829-1938	7/13/06	374.37	705.63	
W-829-1938	10/30/06	374.1	705.9	
W-829-1940	1/31/06	108.05	970.24	
W-829-1940	4/28/06	107.92	970.37	
W-829-1940	7/27/06	107.85	970.44	
W-829-1940	10/30/06	107.8	970.49	
W-829-22	1/31/06	399.9	653.17	
W-829-22	4/19/06	400.16	652.91	
W-829-22	7/27/06	400.05	653.02	
W-829-22	10/30/06	399.9	653.17	
WELL18	1/11/06	-	-	FL
WELL18	4/6/06	-	-	FL
WELL20	1/11/06	-	-	FL
WELL20	4/6/06	-	-	FL

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K1-01C	1/4/06	102.71	978.51	
K1-01C	4/10/06	102.63	978.59	
K1-01C	7/10/06	101.79	979.43	
K1-01C	10/5/06	103.04	978.18	
K1-02B	1/3/06	131.34	975.89	
K1-02B	4/12/06	131.27	975.96	
K1-02B	7/5/06	131.3	975.93	
K1-02B	10/4/06	131.51	975.72	
K1-03	1/3/06	134.19	973.86	
K1-03	4/3/06	134.2	973.85	
K1-03	7/5/06	134	974.05	
K1-03	10/4/06	134.96	973.09	
K1-04	1/10/06	152.94	969.73	
K1-04	4/4/06	152.98	969.69	
K1-04	7/5/06	153.02	969.65	
K1-04	10/4/06	153.22	969.45	
K1-05	1/5/06	168.26	962.6	
K1-05	4/6/06	168.63	962.23	
K1-05	7/11/06	168.37	962.49	
K1-05	10/3/06	168.62	962.24	
K1-06	1/17/06	111.71	977.83	
K1-06	4/28/06	112	977.54	
K1-06	7/10/06	111.77	977.77	
K1-06	10/10/06	112.03	977.51	
K1-07	1/17/06	137.62	972.01	
K1-07	7/6/06	137.92	971.71	
K1-07	10/10/06	138.04	971.59	
K1-08	1/18/06	151.82	970.92	
K1-08	4/11/06	152.14	970.6	
K1-08	7/10/06	150.05	972.69	
K1-08	10/3/06	152.33	970.41	
K1-09	1/19/06	158.53	968.15	
K1-09	4/12/06	158.9	967.78	
K1-09	7/11/06	158.5	968.18	
K1-09	10/3/06	158.74	967.94	
K2-03	1/18/06	50.47	1016.17	
K2-03	4/4/06	50.65	1015.99	
K2-03	7/20/06	50.2	1016.44	
K2-03	10/17/06	50.82	1015.82	
K2-04D	1/19/06	23.7	1068.82	
K2-04D	4/4/06	22.35	1070.17	
K2-04D	7/20/06	22.95	1069.57	
K2-04D	10/10/06	24.63	1067.89	
K2-04S	1/19/06	22.27	1069.68	

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K2-04S	4/4/06	21	1070.95	
K2-04S	7/20/06	21.65	1070.3	
K2-04S	10/10/06	23.58	1068.37	
NC2-05	1/16/06	48.5	986.41	
NC2-05	4/28/06	47.52	987.39	
NC2-05	7/20/06	48	986.91	
NC2-05	10/19/06	48.8	986.11	
NC2-05A	1/16/06	48.9	986.53	
NC2-05A	4/28/06	48.65	986.78	
NC2-05A	7/20/06	48.55	986.88	
NC2-05A	10/19/06	49	986.43	
NC2-06	1/16/06	46.4	987.14	
NC2-06	4/28/06	46.22	987.32	
NC2-06	7/20/06	46.41	987.13	
NC2-06	10/17/06	46.5	987.04	
NC2-06A	1/16/06	47.17	987.06	
NC2-06A	4/28/06	46.98	987.25	
NC2-06A	7/20/06	47.23	987	
NC2-06A	10/17/06	47.33	986.9	
NC2-09	1/16/06	48.4	987.07	
NC2-09	4/28/06	48.2	987.27	
NC2-09	7/20/06	48.52	986.95	
NC2-09	10/19/06	48.62	986.85	
NC2-10	1/16/06	62.2	977.89	
NC2-10	4/25/06	61.95	978.14	
NC2-10	7/20/06	63.17	976.92	
NC2-10	10/19/06	63.45	976.64	
NC2-11D	1/16/06	49.45	979.17	
NC2-11D	4/28/06	48.29	980.33	
NC2-11D	7/20/06	48.68	979.94	
NC2-11D	10/19/06	49.46	979.16	
NC2-11I	1/16/06	49.53	979.23	
NC2-11I	4/28/06	48.66	980.1	
NC2-11I	7/20/06	49.1	979.66	
NC2-11I	10/19/06	49.6	979.16	
NC2-11S	1/16/06	49.25	979.27	
NC2-11S	4/28/06	48.4	980.12	
NC2-11S	7/20/06	48.85	979.67	
NC2-11S	10/19/06	49.38	979.14	
NC2-12D	1/16/06	48.15	980.28	
NC2-12D	4/25/06	47.5	980.94	
NC2-12D	7/20/06	47.89	980.55	
NC2-12D	10/17/06	48.2	980.24	
NC2-12I	1/16/06	48.5	980.25	

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC2-12I	4/25/06	47.86	980.89	
NC2-12I	7/20/06	49.38	979.37	
NC2-12I	10/17/06	48.5	980.25	
NC2-12S	1/16/06	48.2	980.32	
NC2-12S	4/25/06	47.6	980.92	
NC2-12S	7/20/06	47.97	980.55	
NC2-12S	10/17/06	48.23	980.29	
NC2-13	1/16/06	41.6	979.9	
NC2-13	4/28/06	40.55	980.95	
NC2-13	7/20/06	41.06	980.44	
NC2-13	10/17/06	41.65	979.85	
NC2-14S	1/18/06	14.25	1059.65	
NC2-14S	4/5/06	12.3	1061.6	
NC2-14S	7/20/06	13.1	1060.8	
NC2-14S	10/25/06	14.58	1059.32	
NC2-15	1/16/06	76.6	996.86	
NC2-15	4/28/06	76.1	997.36	
NC2-15	7/20/06	76.26	997.2	
NC2-15	10/17/06	76.93	996.53	
NC2-16	1/18/06	22.7	1059.76	
NC2-16	4/11/06	21.35	1061.11	
NC2-16	7/20/06	21.73	1060.73	
NC2-16	10/27/06	22.97	1059.49	
NC2-17	1/16/06	102.03	987.46	
NC2-17	4/28/06	101.95	987.54	
NC2-17	7/20/06	102	987.49	
NC2-17	10/17/06	102.15	987.34	
NC2-18	1/19/06	72.1	1059.07	
NC2-18	4/5/06	71.45	1059.72	
NC2-18	7/20/06	71.89	1059.28	
NC2-18	10/17/06	72.65	1058.52	
NC2-19	1/16/06	108.75	983.64	
NC2-19	4/28/06	108.62	983.77	
NC2-19	7/20/06	108.64	983.75	
NC2-19	10/19/06	108.7	983.69	
NC2-20	1/16/06	33.8	968.47	
NC2-20	4/28/06	-	NA	NM/UC
NC2-20	7/20/06	33.47	968.8	
NC2-20	10/19/06	33.35	968.92	
NC2-21	1/16/06	33.48	968.66	
NC2-21	4/28/06	-	NA	NM/UC
NC2-21	7/20/06	33.12	969.02	
NC2-21	10/19/06	34.05	968.09	
NC7-10	1/19/06	9.6	1216.7	

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-10	4/6/06	8.65	1217.65	
NC7-10	7/19/06	9.7	1216.6	
NC7-10	10/17/06	9.78	1216.52	
NC7-11	1/19/06	20.1	1224.29	
NC7-11	4/6/06	17.45	1226.94	
NC7-11	7/19/06	20.3	1224.09	
NC7-11	10/17/06	20.36	1224.03	
NC7-14	1/19/06	-	NA	DRY
NC7-14	4/6/06	27.13	1229.86	
NC7-14	7/19/06	29.1	1227.89	
NC7-14	10/17/06	-	NA	DRY
NC7-15	1/27/06	21.12	1248.29	
NC7-15	4/6/06	20.3	1249.11	
NC7-15	7/18/06	21	1248.41	
NC7-15	10/17/06	21.38	1248.03	
NC7-19	1/30/06	21.12	1241.86	
NC7-19	4/28/06	21.12	1241.86	
NC7-19	7/19/06	21.15	1241.83	
NC7-19	10/17/06	21.48	1241.5	
NC7-27	1/31/06	86.61	1195.79	
NC7-27	4/12/06	85.78	1196.62	
NC7-27	7/19/06	85.9	1196.5	
NC7-27	10/19/06	86	1196.4	
NC7-28	1/31/06	40.73	1258.8	
NC7-28	4/12/06	40.05	1259.48	
NC7-28	7/19/06	40.75	1258.78	
NC7-28	10/19/06	41.49	1258.04	
NC7-29	1/31/06	52.65	1202.09	
NC7-29	4/6/06	52.55	1202.19	
NC7-29	7/19/06	52.07	1202.67	
NC7-29	10/19/06	52.41	1202.33	
NC7-43	1/31/06	45.5	1244.68	
NC7-43	4/12/06	44.7	1245.48	
NC7-43	7/19/06	45.7	1244.48	
NC7-43	10/18/06	46.17	1244.01	
NC7-44	1/31/06	33.05	1323.08	
NC7-44	4/12/06	32.9	1323.23	
NC7-44	7/19/06	32.9	1323.23	
NC7-44	10/17/06	33.13	1323	
NC7-45	1/19/06	33.85	1154.84	
NC7-45	4/6/06	32.5	1156.19	
NC7-45	7/18/06	35.63	1153.06	No Stovepipe
NC7-45	10/17/06	36.1	1152.59	No Stovepipe
NC7-46	1/19/06	23.65	1107.78	

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-46	4/6/06	23.45	1107.98	Broken Lid
NC7-46	7/19/06	23.8	1107.63	
NC7-46	10/17/06	23.95	1107.48	
NC7-54	1/19/06	10.5	1196.75	
NC7-54	4/6/06	8.79	1198.46	
NC7-54	7/19/06	11.4	1195.85	
NC7-54	10/17/06	11.68	1195.57	
NC7-55	1/19/06	-	NA	DRY
NC7-55	4/6/06	-	NA	DRY
NC7-55	7/19/06	-	NA	DRY
NC7-55	10/17/06	-	NA	DRY
NC7-56	1/19/06	18.5	1113.67	
NC7-56	4/6/06	17.67	1114.5	
NC7-56	7/19/06	19.2	1112.97	
NC7-56	10/24/06	19.62	1112.55	
NC7-57	1/19/06	-	NA	DRY
NC7-57	4/5/06	-	NA	DRY
NC7-57	7/19/06	-	NA	DRY
NC7-57	10/24/06	-	NA	DRY
NC7-58	1/19/06	21.1	1085.63	
NC7-58	4/5/06	20.42	1086.31	
NC7-58	7/19/06	22.68	1084.05	
NC7-58	10/24/06	23.44	1083.29	
NC7-59	1/19/06	12.52	1103.24	
NC7-59	4/6/06	11.75	1104.01	
NC7-59	7/19/06	12.9	1102.86	
NC7-59	10/10/06	13.29	1102.47	
NC7-60	1/31/06	159.15	1168.47	
NC7-60	4/12/06	158.87	1168.75	
NC7-60	7/19/06	158.73	1168.89	
NC7-60	10/10/06	158.65	1168.97	
NC7-61	1/27/06	48.3	1231.07	
NC7-61	4/12/06	48.21	1231.16	
NC7-61	7/10/06	48.18	1231.19	
NC7-61	10/2/06	48.29	1231.08	
NC7-62	1/19/06	21.27	1103.84	
NC7-62	4/5/06	20.35	1104.76	
NC7-62	7/18/06	21.8	1103.31	
NC7-62	10/10/06	22.1	1103.01	
NC7-69	1/19/06	2.2	1250.26	
NC7-69	4/6/06	2.12	1250.34	
NC7-69	7/19/06	1.95	1250.51	
NC7-69	10/10/06	2	1250.46	
NC7-70	1/31/06	32	1275.42	

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-70	4/12/06	30.45	1276.97	
NC7-70	7/19/06	32.73	1274.69	
NC7-70	10/10/06	33.01	1274.41	
NC7-71	1/31/06	56.4	1246.82	
NC7-71	4/12/06	56.2	1247.02	
NC7-71	7/19/06	56.4	1246.82	
NC7-71	10/10/06	56.67	1246.55	
NC7-72	1/19/06	30.9	1125.45	
NC7-72	4/5/06	30.28	1126.07	
NC7-72	7/19/06	31.7	1124.65	
NC7-72	10/10/06	32	1124.35	
NC7-73	1/19/06	26.55	1139.72	
NC7-73	4/5/06	25.93	1140.34	
NC7-73	7/19/06	27.15	1139.12	
NC7-73	10/10/06	27.4	1138.87	
NC7-76	1/27/06	22.3	1254.58	
NC7-76	4/6/06	21.66	1255.22	
NC7-76	7/15/06	22.05	1254.83	
NC7-76	10/10/06	22.53	1254.35	
W-850-05	1/31/06	29	1274.39	
W-850-05	4/12/06	28.25	1275.14	
W-850-05	7/19/06	29.05	1274.34	
W-850-05	10/19/06	29.32	1274.07	
W-850-2145	7/20/06	179.95	1029.05	
W-850-2145	10/17/06	176.18	1030.79	
W-865-1802	1/18/06	49	1020.05	
W-865-1802	4/3/06	48.92	1020.13	
W-865-1802	7/20/06	48.58	1020.47	
W-865-1802	10/18/06	49.2	1019.85	
W-865-1803	1/30/06	103.7	1076.29	
W-865-1803	4/12/06	103.04	1076.95	
W-865-1803	7/19/06	102.3	1077.69	
W-865-1803	10/18/06	104	1075.99	
W-865-2005	1/17/06	324	950.87	
W-865-2005	4/12/06	323.95	950.92	
W-865-2005	7/6/06	324.03	950.84	
W-865-2005	10/17/06	324.14	950.73	
W-PIT1-01	1/17/06	-	NA	DRY
W-PIT1-01	4/25/06	-	NA	DRY
W-PIT1-01	7/13/06	-	NA	DRY
W-PIT1-01	10/18/06	-	NA	DRY
W-PIT1-02	1/17/06	230.05	951.25	
W-PIT1-02	4/25/06	229.75	951.55	
W-PIT1-02	7/13/06	230.64	950.66	

Table C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-PIT1-02	10/18/06	230.95	950.35	
W-PIT7-16	1/27/06	21.15	1249.85	
W-PIT7-16	4/6/06	20.85	1250.15	
W-PIT7-16	7/18/06	20.8	1250.2	
W-PIT7-16	10/10/06	21.29	1249.71	

Table C-6. Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-01	1/26/06	217.62	1116.82	
W-854-01	4/13/06	217.5	1116.94	
W-854-01	7/24/06	217.66	1116.78	
W-854-01	10/19/06	217.6	1116.84	
W-854-04	1/26/06	301.05	937.33	
W-854-04	4/13/06	298.95	939.43	
W-854-04	7/24/06	298.39	939.99	
W-854-04	10/19/06	298.25	940.13	
W-854-05	1/26/06	89.62	1240.72	
W-854-05	4/13/06	89.55	1240.79	
W-854-05	7/24/06	89.6	1240.74	
W-854-05	10/19/06	89.5	1240.84	
W-854-06	1/26/06	118.1	990.35	
W-854-06	4/3/06	118	990.45	
W-854-06	7/24/06	118.08	990.37	
W-854-06	10/19/06	118.13	990.32	
W-854-07	1/26/06	117.35	991.51	
W-854-07	4/3/06	117.2	991.66	
W-854-07	7/24/06	117.2	991.66	
W-854-07	10/19/06	117.3	991.56	
W-854-08	1/26/06	118.95	1155.25	
W-854-08	4/13/06	118.67	1155.53	
W-854-08	7/24/06	118.7	1155.5	
W-854-08	10/19/06	118.77	1155.43	
W-854-09	1/26/06	-	-	NM/UC
W-854-09	4/13/06	-	-	NM/UC
W-854-09	7/24/06	-	-	NM/UC
W-854-09	10/17/06	187.51	1171.7	
W-854-10	1/26/06	115.15	1211.23	CB
W-854-10	4/13/06	115.55	1210.83	CB
W-854-10	7/24/06	114.45	1211.93	CB
W-854-10	10/19/06	115.1	1211.28	CB
W-854-11	1/26/06	-	-	DRY/CB
W-854-11	4/13/06	-	-	DRY/CB
W-854-11	7/24/06	-	-	DRY/CB
W-854-11	10/19/06	-	-	DRY/CB
W-854-12	1/26/06	227.05	1029.74	
W-854-12	4/27/06	227.01	1029.78	
W-854-12	7/24/06	227.13	1029.66	
W-854-12	10/31/06	226.85	1029.94	
W-854-13	1/26/06	102.25	1154.92	
W-854-13	4/27/06	102.25	1154.92	
W-854-13	7/24/06	102.44	1154.73	
W-854-13	10/31/06	102.75	1154.42	

Table C-6. Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-14	1/26/06	-	-	DRY/CB
W-854-14	4/13/06	69.7	934.62	CB
W-854-14	7/24/06	-	-	DRY/CB
W-854-14	10/19/06	-	-	DRY/CB
W-854-15	1/26/06	75.08	1056.92	CB
W-854-15	4/13/06	74.9	1057.1	CB
W-854-15	7/24/06	74.18	1057.82	CB
W-854-15	10/19/06	74.9	1057.1	CB
W-854-17	1/26/06	143.6	1190.54	
W-854-17	4/13/06	143.85	1190.29	
W-854-17	7/24/06	143.91	1190.23	
W-854-17	10/19/06	147.95	1186.19	
W-854-1701	1/26/06	242.18	1008.14	
W-854-1701	4/13/06	241.6	1008.72	
W-854-1701	7/24/06	-	-	NM/UC
W-854-1701	10/19/06	241.2	1009.12	
W-854-1706	1/26/06	-	-	NM/UC
W-854-1706	4/17/06	-	-	NM/UC
W-854-1706	7/24/06	-	-	NM/UC
W-854-1706	10/19/06	-	-	NM/UC
W-854-1707	1/26/06	-	-	NM/UC
W-854-1707	4/17/06	21.55	835.45	
W-854-1707	7/24/06	24.73	807.48	
W-854-1707	10/17/06	23.7	808.51	
W-854-1731	1/26/06	67.35	936.14	CB
W-854-1731	4/13/06	66.55	936.94	CB
W-854-1731	7/24/06	65.69	937.8	CB
W-854-1731	10/17/06	65.14	938.35	CB
W-854-1822	1/26/06	144.8	1037.2	
W-854-1822	4/13/06	144.7	1037.3	
W-854-1822	7/24/06	144.75	1037.25	
W-854-1822	10/19/06	144.82	1037.18	
W-854-1823	1/26/06	52.75	1099.51	
W-854-1823	4/13/06	52.8	1099.46	
W-854-1823	7/24/06	52.08	1100.18	
W-854-1823	10/19/06	53.05	1099.21	
W-854-1834	1/26/06	-	-	CB/SEALED
W-854-1834	4/13/06	-	-	CB/SEALED
W-854-1834	7/24/06	-	-	CB/SEALED
W-854-1834	10/19/06	-	-	CB/SEALED
W-854-1835	1/26/06	-	-	SEALED
W-854-1835	4/13/06	-	-	SEALED
W-854-1835	7/24/06	-	-	SEALED
W-854-1835	10/19/06	-	-	SEALED

Table C-6. Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-18A	1/26/06	140.9	1195	
W-854-18A	4/13/06	140.9	1195	
W-854-18A	7/24/06	139.92	1195.98	
W-854-18A	10/19/06	144.73	1191.17	
W-854-19	1/26/06	-	-	DRY
W-854-19	4/13/06	-	-	DRY
W-854-19	7/24/06	-	-	DRY
W-854-19	10/19/06	-	-	DRY
W-854-1902	1/26/06	146.55	1043.45	
W-854-1902	4/13/06	146.45	1043.55	
W-854-1902	7/24/06	146.39	1043.61	
W-854-1902	10/19/06	146.6	1043.4	
W-854-45	1/26/06	91.62	912.38	
W-854-45	4/13/06	91.12	912.88	
W-854-45	7/24/06	90.62	913.38	
W-854-45	10/17/06	90.39	913.61	
W-854-F2	1/26/06	-	-	DRY
W-854-F2	4/13/06	-	-	SEALED
W-854-F2	7/24/06	-	-	SEALED
W-854-F2	10/17/06	-	-	SEALED

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
SVI-830-031	1/23/06	23.3	669.03	CB
SVI-830-031	4/24/06	24.1	668.23	CB
SVI-830-031	7/31/06	24.3	668.03	CB
SVI-830-031	10/26/06	24.1	668.23	CB
SVI-830-032	1/23/06	33.2	659.2	
SVI-830-032	4/24/06	-	-	DRY
SVI-830-032	7/31/06	-	-	DRY
SVI-830-032	10/26/06	-	-	DRY
SVI-830-033	1/23/06	24.2	668.15	
SVI-830-033	4/24/06	24.05	668.3	
SVI-830-033	7/31/06	23.96	668.39	
SVI-830-033	10/26/06	24.8	667.55	
SVI-830-035	1/23/06	23.1	669.26	
SVI-830-035	4/24/06	22.4	669.96	
SVI-830-035	7/31/06	21.66	670.7	
SVI-830-035	10/26/06	23.35	669.01	
W-830-04A	1/27/06	43.44	580.66	
W-830-04A	4/26/06	43.15	580.95	
W-830-04A	7/27/06	43.03	581.07	
W-830-04A	10/26/06	43.2	580.9	
W-830-05	1/27/06	25.22	559.15	
W-830-05	4/28/06	25.38	558.99	
W-830-05	7/27/06	26.16	558.21	
W-830-05	10/26/06	25.85	558.52	
W-830-07	1/27/06	-	-	DRY
W-830-07	4/28/06	-	-	DRY
W-830-07	7/27/06	-	-	DRY
W-830-07	10/26/06	-	-	DRY
W-830-09	1/23/06	102.8	592.96	
W-830-09	4/24/06	102.7	593.06	
W-830-09	7/11/06	101.46	594.3	
W-830-09	10/26/06	101.3	594.46	
W-830-10	1/23/06	16.07	580.63	
W-830-10	4/28/06	15.95	580.75	
W-830-10	7/27/06	17.34	579.36	
W-830-10	10/26/06	17	579.7	
W-830-11	1/26/06	33.44	562.75	
W-830-11	4/28/06	33.3	562.89	
W-830-11	7/28/06	35.65	560.54	
W-830-11	10/26/06	34.8	561.39	
W-830-12	1/23/06	99.25	593.37	
W-830-12	4/24/06	97.65	594.97	
W-830-12	7/11/06	98.13	594.49	
W-830-12	10/26/06	98.75	593.87	

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-13	1/27/06	26.19	538.32	
W-830-13	4/28/06	25.4	539.11	
W-830-13	7/27/06	26.64	537.87	
W-830-13	10/26/06	26.05	538.46	
W-830-14	1/27/06	20.1	545.4	
W-830-14	4/28/06	20.03	545.47	
W-830-14	7/25/06	20	545.5	
W-830-14	10/26/06	20.15	545.35	
W-830-15	1/27/06	0.53	564.56	CB
W-830-15	4/28/06	-	-	CB/FL
W-830-15	7/25/06	1.43	563.66	CB/FL
W-830-15	10/26/06	3.9	561.19	CB
W-830-16	1/31/06	94.2	576.68	
W-830-16	4/28/06	93.8	577.08	
W-830-16	7/27/06	94.09	576.79	
W-830-16	10/26/06	94.6	576.28	
W-830-17	1/31/06	109	564.22	
W-830-17	4/28/06	108.99	564.23	
W-830-17	7/27/06	108.91	564.31	
W-830-17	10/26/06	108.95	564.27	
W-830-1730	1/11/06	24.58	523.52	
W-830-1730	4/20/06	24.4	523.7	
W-830-1730	7/27/06	24.46	523.64	
W-830-1730	10/26/06	24.67	523.43	
W-830-18	1/30/06	-	-	NM/No access
W-830-18	4/26/06	63.75	590.74	
W-830-18	7/17/06	62.55	591.94	
W-830-18	10/26/06	62.71	591.78	
W-830-1807	1/23/06	31.9	661.1	
W-830-1807	4/24/06	38.1	654.9	
W-830-1807	7/31/06	41.1	651.9	
W-830-1807	10/26/06	33.7	659.3	
W-830-1829	1/23/06	51.35	607.65	
W-830-1829	4/24/06	50.6	608.4	
W-830-1829	7/13/06	52.22	606.78	
W-830-1829	10/11/06	53.3	605.7	
W-830-1830	1/23/06	55.1	605.9	
W-830-1830	4/24/06	54.75	606.25	
W-830-1830	7/13/06	55.19	605.81	
W-830-1830	10/26/06	55.2	605.8	
W-830-1831	1/31/06	164.2	580.51	
W-830-1831	4/28/06	163.92	580.79	
W-830-1831	7/27/06	162.57	582.14	
W-830-1831	10/26/06	162.95	581.76	

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-1832	1/31/06	159.1	590.77	
W-830-1832	4/28/06	158.45	591.42	
W-830-1832	7/27/06	159.83	590.04	
W-830-1832	10/26/06	160.29	589.58	
W-830-19	1/23/06	39.7	616.14	
W-830-19	4/24/06	44.2	611.64	
W-830-19	7/27/06	44.2	611.64	
W-830-19	10/26/06	41	614.84	
W-830-20	1/26/06	13.47	583.49	
W-830-20	4/27/06	13.16	583.8	
W-830-20	7/6/06	13.05	583.91	
W-830-20	10/5/06	13.22	583.74	
W-830-21	1/30/06	-	-	NM/No access
W-830-21	4/26/06	65.8	588.14	
W-830-21	7/17/06	65.95	587.99	
W-830-21	10/26/06	66.5	587.44	
W-830-22	1/23/06	47.5	607.52	CB
W-830-22	4/24/06	46.5	608.52	CB
W-830-22	7/12/06	47.93	607.09	CB
W-830-22	10/26/06	48.15	606.87	CB
W-830-25	1/23/06	23.7	596.64	
W-830-25	4/28/06	22.65	597.69	
W-830-25	7/27/06	23.37	596.97	
W-830-25	10/26/06	23.5	596.84	
W-830-26	1/23/06	66.3	592.23	
W-830-26	4/24/06	66.25	592.28	
W-830-26	7/13/06	64.7	593.83	
W-830-26	10/26/06	64.6	593.93	
W-830-27	1/23/06	20.95	603.31	
W-830-27	4/28/06	21.8	602.46	
W-830-27	7/27/06	24.23	600.03	
W-830-27	10/26/06	24.5	599.76	
W-830-28	1/23/06	32.65	589.51	
W-830-28	4/28/06	32.45	589.71	
W-830-28	7/22/06	32.52	589.64	
W-830-28	10/26/06	32.77	589.39	
W-830-29	1/23/06	593.65	67.38	CB
W-830-29	4/24/06	90.8	570.23	CB
W-830-29	7/12/06	94.16	566.87	CB
W-830-29	10/26/06	95.1	565.93	CB
W-830-30	1/23/06	19.75	672.76	
W-830-30	4/24/06	20.7	671.81	
W-830-30	7/11/06	23.32	669.19	
W-830-30	10/26/06	21.12	671.39	

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-34	1/23/06	20.4	671.95	CB
W-830-34	4/24/06	20.02	672.33	CB
W-830-34	7/11/06	20.92	671.43	CB
W-830-34	10/26/06	20.85	671.5	CB
W-830-49	1/23/06	37.9	628.54	
W-830-49	4/24/06	37.7	628.74	
W-830-49	7/12/06	37.87	630.07	
W-830-49	10/26/06	38.96	628.98	
W-830-50	1/26/06	28.67	580.47	
W-830-50	4/28/06	28.5	580.64	
W-830-50	7/27/06	30.25	578.89	
W-830-50	10/26/06	30.01	579.13	
W-830-51	1/30/06	-	-	FL
W-830-51	4/28/06	-	-	FL
W-830-51	7/27/06	-	-	FL
W-830-51	10/26/06	-	-	FL
W-830-52	1/30/06	-	-	FL
W-830-52	4/28/06	-	-	FL
W-830-52	7/27/06	-	-	FL
W-830-52	10/26/06	-	-	FL
W-830-53	1/31/06	-	-	NO FL
W-830-53	4/28/06	-	-	FL
W-830-53	7/27/06	-	-	FL
W-830-53	10/26/06	-	-	FL
W-830-54	1/31/06	52.9	550.12	
W-830-54	4/28/06	52.76	550.26	
W-830-54	7/27/06	53.33	549.69	
W-830-54	10/26/06	55.4	547.62	
W-830-55	1/31/06	85.4	578.64	
W-830-55	4/28/06	85.05	578.99	
W-830-55	7/27/06	85.31	578.73	
W-830-55	10/26/06	85.65	578.39	
W-830-56	1/27/06	31	545.82	
W-830-56	4/28/06	30.93	545.89	
W-830-56	7/27/06	30.93	545.89	
W-830-56	10/26/06	30.95	545.87	
W-830-58	1/23/06	23.7	609.38	
W-830-58	4/28/06	22.87	610.21	
W-830-58	7/27/06	24.69	608.39	
W-830-58	10/26/06	24.9	608.18	
W-830-59	1/23/06	54.8	611.31	
W-830-59	4/24/06	56	610.11	
W-830-59	7/29/06	57	609.11	
W-830-59	10/26/06	54.8	611.31	

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-60	1/27/06	45	592.39	
W-830-60	4/26/06	44.8	592.59	
W-830-60	7/17/06	43.43	593.96	
W-830-60	10/26/06	43.8	593.59	
W-831-01	1/23/06	130.8	642.69	
W-831-01	4/24/06	131	642.49	
W-831-01	7/27/06	130.91	642.58	
W-831-01	10/26/06	131.2	642.29	
W-832-01	1/23/06	35.7	670.36	
W-832-01	4/24/06	32.05	674.01	
W-832-01	7/27/06	32.37	673.69	
W-832-01	10/26/06	37.65	668.41	
W-832-09	1/23/06	72.45	634.77	
W-832-09	4/24/06	72.05	635.17	
W-832-09	7/13/06	72.43	634.79	
W-832-09	10/26/06	72.92	634.3	
W-832-10	1/23/06	36.75	649.4	
W-832-10	4/24/06	36.4	649.75	
W-832-10	7/27/06	36.97	649.18	
W-832-10	10/26/06	35.9	650.25	
W-832-11	1/23/06	30.35	668.3	
W-832-11	4/24/06	31.5	667.15	
W-832-11	7/27/06	31.99	666.66	
W-832-11	10/26/06	32.65	666	
W-832-12	1/23/06	24.5	696.97	CB
W-832-12	4/24/06	24.35	697.12	CB
W-832-12	7/31/06	24.09	697.38	CB
W-832-12	10/26/06	24.85	696.62	CB
W-832-13	1/23/06	21.2	701.46	CB
W-832-13	4/24/06	20.15	702.51	CB
W-832-13	7/31/06	19.45	703.21	CB
W-832-13	10/26/06	20.15	702.51	CB
W-832-14	1/23/06	25.45	695.72	
W-832-14	4/24/06	25.45	695.72	
W-832-14	7/31/06	25.82	695.35	
W-832-14	10/26/06	24.82	696.35	
W-832-15	1/23/06	23.9	696.98	CB
W-832-15	4/24/06	23.75	697.13	CB
W-832-15	7/31/06	20.82	700.06	CB
W-832-15	10/26/06	21.75	699.13	CB
W-832-16	1/23/06	-	-	DRY/CB
W-832-16	4/24/06	-	-	DRY/CB
W-832-16	7/31/06	-	-	DRY/CB
W-832-16	10/26/06	-	-	DRY/CB

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-832-17	1/23/06	-	-	DRY/CB
W-832-17	4/24/06	-	-	DRY/CB
W-832-17	7/31/06	-	-	DRY/CB
W-832-17	10/26/06	-	-	DRY/CB
W-832-18	1/23/06	-	-	DRY
W-832-18	4/24/06	-	-	DRY
W-832-18	7/31/06	-	-	DRY
W-832-18	10/26/06	-	-	DRY
W-832-19	1/23/06	-	-	DRY/CB
W-832-19	4/24/06	-	-	DRY/CB
W-832-19	7/17/06	24.5	695.52	CB
W-832-19	10/26/06	23.8	696.22	CB
W-832-1927	1/31/06	232.1	593.9	
W-832-1927	4/28/06	232.4	593.6	
W-832-1927	7/31/06	232.52	593.48	
W-832-1927	10/26/06	232.9	593.1	
W-832-20	1/23/06	-	-	DRY/CB
W-832-20	4/24/06	-	-	DRY/CB
W-832-20	7/31/06	-	-	DRY/CB
W-832-20	10/26/06	-	-	DRY/CB
W-832-21	1/23/06	-	-	DRY
W-832-21	4/24/06	-	-	DRY
W-832-21	7/13/06	-	-	DRY
W-832-21	10/26/06	-	-	DRY
W-832-22	1/23/06	-	-	DRY/CB
W-832-22	4/24/06	-	-	DRY/CB
W-832-22	7/31/06	-	-	DRY/CB
W-832-22	10/26/06	-	-	DRY/CB
W-832-23	1/23/06	32.6	687.54	CB
W-832-23	4/24/06	31.95	688.19	CB
W-832-23	7/12/06	32.18	687.96	CB
W-832-23	10/26/06	32.5	687.64	CB
W-832-24	1/23/06	40	622.56	
W-832-24	4/24/06	38.65	623.91	
W-832-24	7/12/06	38.54	624.02	
W-832-24	10/26/06	38.96	623.6	
W-832-25	1/23/06	32.6	634.21	
W-832-25	4/24/06	32.52	634.29	
W-832-25	7/31/06	33.76	633.05	
W-832-25	10/26/06	34.99	631.82	
W-832-SC1	1/31/06	4.97	579.73	
W-832-SC1	4/28/06	3.92	580.78	
W-832-SC1	7/31/06	3.83	580.87	
W-832-SC1	10/26/06	3.75	580.95	

Table C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-832-SC2	1/31/06	5.23	569.64	
W-832-SC2	4/28/06	4.49	570.38	
W-832-SC2	7/31/06	6.64	568.23	
W-832-SC2	10/26/06	5.12	569.75	
W-832-SC3	1/31/06	5.86	557.81	
W-832-SC3	4/28/06	4.72	558.95	
W-832-SC3	7/31/06	6.35	557.32	
W-832-SC3	10/26/06	4.86	558.81	
W-832-SC4	1/31/06	6.85	530.45	
W-832-SC4	4/28/06	5.77	531.53	
W-832-SC4	7/31/06	7.18	530.12	
W-832-SC4	10/26/06	5.75	531.55	
W-870-01	1/11/06	-	-	DRY
W-870-01	4/20/06	-	-	DRY
W-870-01	7/20/06	-	-	DRY
W-870-01	10/17/06	-	-	DRY
W-870-02	1/11/06	17.6	506.22	CB
W-870-02	4/20/06	15.45	508.37	CB
W-870-02	7/20/06	15.01	508.81	CB
W-870-02	10/17/06	17	506.82	CB
W-880-01	1/3/06	16.89	509.16	
W-880-01	4/20/06	15.04	511.01	
W-880-01	7/5/06	15.03	511.02	
W-880-01	10/3/06	17.69	508.36	
W-880-02	1/3/06	18.31	507.49	
W-880-02	4/20/06	16.22	509.58	
W-880-02	7/5/06	16.16	509.64	
W-880-02	10/3/06	18.59	507.21	
W-880-03	1/3/06	5.4	520.65	
W-880-03	4/20/06	1.27	524.78	
W-880-03	7/5/06	4.62	521.43	
W-880-03	10/3/06	8.68	517.37	

Table C-8. Building 801 firing table and Pit 8 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K8-01	1/16/06	130.6	969.84	
K8-01	4/18/06	130.25	970.19	
K8-01	7/6/06	130.18	970.26	
K8-01	10/26/06	130.6	969.84	
K8-02B	1/16/06	159.95	968.47	
K8-02B	4/18/06	159.7	968.72	
K8-02B	7/6/06	159.54	968.88	
K8-02B	10/27/06	159.85	968.57	
K8-03B	1/26/06	104.8	991.79	
K8-03B	4/27/06	104.55	992.04	
K8-03B	7/6/06	104.66	991.93	
K8-03B	10/27/06	104.96	991.63	
K8-04	1/16/06	164.77	968.38	
K8-04	4/18/06	164.62	968.53	
K8-04	7/6/06	164.63	968.52	
K8-04	10/27/06	164.81	968.34	
K8-05	1/16/06	-	-	DRY
K8-05	4/18/06	-	-	DRY
K8-05	7/6/06	-	-	DRY
K8-05	10/26/06	-	-	DRY

Table C-9. Building 845 firing table and Pit 9 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K9-01	1/16/06	78.5	997.01	
K9-01	4/28/06	78.35	997.16	
K9-01	7/6/06	78.7	996.81	
K9-01	10/27/06	78.5	997.01	
K9-02	1/16/06	129.15	1006.24	
K9-02	4/28/06	128.67	1006.72	
K9-02	7/6/06	128.51	1006.88	
K9-02	10/26/06	128.62	1006.77	
K9-03	1/16/06	119.9	997.18	
K9-03	4/28/06	119.63	997.45	
K9-03	7/6/06	119.48	997.6	
K9-03	10/27/06	120.18	996.9	
K9-04	1/16/06	90.75	993.87	
K9-04	4/28/06	90.8	993.82	
K9-04	7/6/06	92.8	991.82	
K9-04	10/27/06	94.03	990.59	

Table C-10. Building 833 ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-833-03	1/31/06	-	-	DRY
W-833-03	4/18/06	-	-	DRY
W-833-03	7/31/06	-	-	DRY
W-833-03	10/26/06	-	-	DRY
W-833-12	1/31/06	-	-	DRY
W-833-12	4/18/06	-	-	DRY
W-833-12	7/31/06	-	-	DRY
W-833-12	10/26/06	-	-	DRY
W-833-18	1/31/06	-	-	NM
W-833-18	4/26/06	-	-	DRY
W-833-18	7/31/06	-	-	DRY
W-833-18	10/26/06	-	-	DRY
W-833-22	1/31/06	-	-	DRY
W-833-22	4/18/06	-	-	DRY
W-833-22	7/31/06	-	-	DRY
W-833-22	10/26/06	-	-	DRY
W-833-28	1/31/06	41.85	814.07	
W-833-28	4/18/06	41.7	814.22	
W-833-28	7/31/06	41.61	814.31	
W-833-28	10/26/06	41.85	814.07	
W-833-30	1/31/06	283.85	567.81	
W-833-30	4/18/06	281.87	569.79	
W-833-30	7/31/06	281.92	569.74	
W-833-30	10/26/06	283.85	567.81	
W-833-33	1/31/06	-	-	DRY
W-833-33	4/18/06	26.5	822.3	
W-833-33	7/31/06	-	-	DRY
W-833-33	10/26/06	-	-	DRY
W-833-34	1/31/06	33.6	815.32	
W-833-34	4/18/06	-	-	DRY
W-833-34	7/31/06	-	-	DRY
W-833-34	10/26/06	-	-	DRY
W-833-43	1/31/06	-	-	NM
W-833-43	4/26/06	-	-	DRY
W-833-43	7/31/06	-	-	DRY
W-833-43	10/26/06	-	-	DRY
W-840-01	1/31/06	120.3	576.78	
W-840-01	4/18/06	120.11	576.97	
W-840-01	7/31/06	-	-	DRY
W-840-01	10/26/06	-	-	DRY
W-841-01	1/31/06	-	-	DRY
W-841-01	4/18/06	-	-	DRY
W-841-01	7/31/06	-	-	DRY
W-841-01	10/26/06	-	-	DRY

Table C-11. Building 851 Firing Table ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-851-05	1/25/06	140.6	1131.19	
W-851-05	4/27/06	140.3	1131.49	
W-851-05	7/31/06	140.2	1131.59	
W-851-05	10/17/06	140.15	1131.64	
W-851-06	1/25/06	133.9	1131.6	
W-851-06	4/27/06	133.6	1131.9	
W-851-06	7/31/06	-	-	NM/RA
W-851-06	10/27/06	133.69	1131.81	
W-851-07	1/25/06	140.36	1131.23	
W-851-07	4/17/06	140.48	1131.11	
W-851-07	7/31/06	140.35	1131.24	
W-851-07	10/27/06	140.16	1131.43	
W-851-08	1/25/06	183.05	1089.27	
W-851-08	4/17/06	183	1089.32	
W-851-08	7/31/06	183.1	1089.22	
W-851-08	10/27/06	183.23	1089.09	

Table C-12. Pit 2 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K2-01C	1/4/06	58.16	992.47	
K2-01C	4/4/06	58.85	991.78	
K2-01C	7/10/06	101.79	948.84	
K2-01C	10/18/06	60.24	990.39	
NC2-08	1/16/06	55.15	994.22	
NC2-08	4/28/06	55	994.37	
NC2-08	7/20/06	55.02	994.35	
NC2-08	10/19/06	56.25	993.12	
W-PIT2-1934	1/16/06	51.8	1009.3	
W-PIT2-1934	4/4/06	51.96	1009.15	
W-PIT2-1934	7/20/06	51.4	1009.71	
W-PIT2-1934	10/18/06	52.45	1008.66	
W-PIT2-1935	1/16/06	66.5	989.35	
W-PIT2-1935	4/4/06	66.87	988.99	
W-PIT2-1935	7/20/06	67.05	988.81	
W-PIT2-1935	10/18/06	67.8	988.06	

Appendix D

Analytical Results for Soil Sampling During 2006

Appendix D

Analytical Results for Soil Sampling During 2006

Table D-1. Tritium detected in soil samples collected from boreholes drilled during 2006.

Table D-1. Tritium detected in soil samples collected from boreholes drilled during 2006.

Location	Date	Depth (ft)	Moisture by weight (Percent)	Tritium (pCi/L)	Tritium (pCi/g)
B-PIT2-2302	11/27/06	5	17.4	<200	-
B-PIT2-2302	11/27/06	10	16.2	<200	-
B-PIT2-2302	11/27/06	15	14.7	<200	-
B-PIT2-2302	11/27/06	20	32.5	<200	-
B-PIT2-2304	11/29/06	10	1.6	382	-
B-PIT2-2304	11/29/06	15	17.7	<200	-
B-PIT2-2304	11/29/06	20	3.9	202	-
B-PIT2-2304	11/29/06	25	9.3	<200	-
B-PIT2-2304	11/29/06	30	22.8	<200	-
B-PIT2-2304	11/29/06	35	17	<200	-
B-PIT2-2304	11/29/06	40	4.7	<200	-
B-PIT2-2304	11/29/06	45	6.7	<200	-
B-PIT2-2304	11/29/06	50	4.8	<200	-
W-PIT1-2204	8/16/06	10	15.7	-	<0.2
W-PIT1-2204	8/16/06	21.5	2.4	-	<0.2
W-PIT1-2204	8/16/06	37	20.8	-	<0.2
W-PIT1-2204	8/16/06	40	23.6	-	<0.2
W-PIT1-2204	8/17/06	50	31.3	-	<0.2
W-PIT1-2204	8/17/06	60	20.1	-	<0.2
W-PIT1-2204	8/17/06	68.5	23.8	-	<0.2

Appendix E

Analytical Results from Eastern General Service Receiving Water Field Monitoring and Visual Observations

Appendix E

Analytical Results from Eastern General Service Receiving Water Field Monitoring and Visual Observations

Table E-1. Eastern General Service Area receiving water field monitoring data.

Sample Location	Sample Date	Continuous Flow Conditions (Yes/No)[1]	pH (units)	Dissolved Oxygen (ppm)	Temperature (^{o}C)
TF-GSA1-CHC-R1	05-JUL-06	No	NA	NA	NA
TF-GSA1-CHC-R2	05-JUL-06	No	NA	NA	NA
TF-GSA1-CHC-R1	02-AUG-06	No	NA	NA	NA
TF-GSA1-CHC-R2	02-AUG-06	No	NA	NA	NA
TF-GSA1-CHC-R1	06-SEP-06	No	NA	NA	NA
TF-GSA1-CHC-R2	06-SEP-06	No	NA	NA	NA
TF-GSA1-CHC-R1	03-OCT-06	No	NA	NA	NA
TF-GSA1-CHC-R2	03-OCT-06	No	NA	NA	NA
TF-GSA1-CHC-R1	01-NOV-06	No	NA	NA	NA
TF-GSA1-CHC-R2	01-NOV-06	No	NA	NA	NA
TF-GSA1-CHC-R1	04-DEC-06	No	NA	NA	NA
TF-GSA1-CHC-R2	04-DEC-06	No	NA	NA	NA

Notes:

NM = Not measured.

NA = Not applicable.

1. When continuous flow conditions do not exist between the upstream and downstream monitoring locations (R1/R2), no monitoring is conducted.

Table E-2. Eastern General Service Area receiving water visual observations.

Sample Location	Sample Date	Visual Observations A	B	C	D	E	F	G
TF-GSA1-CHC-R1	05-JUL-06	NA	NA	NA	NA	NA	NA	NA
TF-GSA1-CHC-R2	05-JUL-06	No	No	No	No	No	No	No
TF-GSA1-CHC-R1	02-AUG-06	NA	NA	NA	NA	NA	NA	NA
TF-GSA1-CHC-R2	02-AUG-06	No	No	No	No	No	No	No
TF-GSA1-CHC-R1	06-SEP-06	NA	NA	NA	NA	NA	NA	NA
TF-GSA1-CHC-R2	06-SEP-06	No	No	No	No	No	No	No
TF-GSA1-CHC-R1	03-OCT-06	NA	NA	NA	NA	NA	NA	NA
TF-GSA1-CHC-R2	03-OCT-06	No	No	No	No	No	No	No
TF-GSA1-CHC-R1	01-NOV-06	NA	NA	NA	NA	NA	NA	NA
TF-GSA1-CHC-R2	01-NOV-06	No	No	No	No	No	No	No
TF-GSA1-CHC-R1	04-DEC-06	NA	NA	NA	NA	NA	NA	NA
TF-GSA1-CHC-R2	04-DEC-06	No	No	No	No	No	No	No

Notes:

A = Floating or suspended matter.
B = Discoloration.
C = Bottom deposits.
D = Presence of aquatic life.
E = Visible films, sheens, or coatings.
F = Presence of fungi, slimes, or objectionable growths.
G = Potential nuisance conditions.
NA = Not applicable.