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University of California, Livermore, California 94550

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2004 Annual
Compliance Monitoring Report
Lawrence Livermore National Laboratory
Site 300

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March 31, 2005

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Environmental Restoration Division

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Appendix B. Analytical Results for Routine Monitoring During 2004....................................B-1

Appendix C. Ground Water Elevations Measured During 2004..C-1

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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 July through December 2004. 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 General Services Area (GSA) monitoring data, which were collected in compliance with the GSA CMP (Rueth, 1998), are also included in this report. This report does not cover the Eastern GSA, which is governed by the RWQCB National Pollutant Discharge Elimination System (NPDES) Order No. 97-242 and reported separately.

During the reporting period of July through December 2004, 4,656,404 gallons of ground water and 7,494,900 cubic feet of soil vapor were treated at Site 300, removing approximately 58,164 grams (g) of volatile organic compounds (VOCs), 704,799 g nitrate, 100 g RDX, 0.58 g of tetrabutyl ortho silicate (TBOS) and 71.8 g perchlorate (Table Summ-1).

Since remediation began in 1992, approximately 25,328,934 gallons of ground water and over 147,123 cubic feet of soil vapor have been treated, removing approximately 269 kilograms (kg) of VOCs, 2,650 kg nitrate, 0.452 kg RDX, 9.6 kg TBOS, and 0.304 kg perchlorate (Table Summ-2).

During 2004, five monitoring wells were installed. Table 1-1 lists the wells and boreholes installed during 2004. None of these wells are used for compliance monitoring. The data will be presented in the Building 812 and Building 865 Characterization Summaries.

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 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-dichloroethene (trans-1,2-DCE); carbon tetrachloride; chloroform; 1, 1-dichlorethane (1,1-DCA); 1, 2-dichloroethane (1,2-DCA); 1, 1-dichloroethene (1,1-DCE); 1, 1, 1-trichloroethane (1,1,1-TCA); Freon 11; Freon 113; 1, 1, 2-trichloroethane (1,1,2-TCA); and vinyl chloride. The resultant sums were rounded to two significant figures before plotting on the maps. Second semester 2004 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 2004 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 isoconcentration contour map because the maximum concentration sample was collected during the other semester. In the nitrate and perchlorate isoconcentration maps that are not contoured (concentration values posted only), the concentration data in bold indicates that the concentration is greater than the 45 mg/L maximum concentration level (MCL) for nitrate and the 6 µg/L State Public Health Goal (PHG) for perchlorate.

Treatment facility operations and maintenance issues that occurred during the second semester of 2004 and influent and effluent analytical data collected during second semester 2004 are included in this report. Treatment facility pH data collected during the second semester of 2004 are presented in Appendix A. Ground and surface water monitoring analytical data and ground water elevations for the entire calendar year 2004 are presented in Appendices B and C, respectively. Analytical data collected during 2003 that were not available for publishing in the 2003 annual CMR, are presented in Appendix D.

2.1. General Services Area (GSA) OU1

The GSA OU consists of the Eastern GSA and Central GSA areas. This report does not cover the Eastern GSA, which is governed by the RWQCB NPDES Order No. 97-242 and reported separately. 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 ground water treatment system (GWTS) treats ground water for VOCs and has been in operation since 1992. Contaminated ground water is extracted from six wells (W-7I, W-875-07, W-875-08, W-873-07, W-872-02, and W-7O). 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.

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. Seven wells (W-7I, W-875-07, W-875-08, W-875-09, W-875-10, W-875-11 and W-875-15) are used as vapor extraction or passive air inlet wells. 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 2.1-1.

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

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

2.1.1.1. Central 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. 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 Table 2.1-2 through 3. The pH measurement results are presented in Appendix A.

2.1.1.2. Central GSA Operations and Maintenance Issues

The Central GSA GWTS operated continuously throughout the second semester of 2004 with the following exceptions:

- A grass fire on May 14th damaged the soil vapor and groundwater conveyance piping and signal conduit, as well as several of the extraction wells and caused the system to alarm and shut itself off. The system was restarted on May 20th but only extracted groundwater from W-7O. After extensive repairs were made, groundwater was again extracted from wells W-7I, W-873-07, and W-872-02 starting on July 13th and from well W-875-08 on September 1st.
- The system was off for two days in November due to frozen pipes.
- A power outage caused the facility to be shut down over one weekend in December.

2.1.1.3. Central GSA Receiving Water Monitoring

During the reporting period, no surface water was present at the Central GSA discharge location. Therefore, receiving water monitoring was not conducted.

2.1.1.4. Central GSA Compliance Summary

The Central GSA GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge.

The Central GSA SVE operated in compliance with the San Joaquin Valley Unified Air Pollution Control District permit limitations.

2.1.1.5. Central GSA Facility Sampling Plan Evaluation and Modifications

The Central GSA treatment facility sampling and analysis plan complies with Substantive Requirements and the GSA CMP (1998) monitoring requirements. The treatment facility sampling and analysis plan is presented in Table 2.1-4. There were no modifications made to the plan during the reporting period.

2.1.2. Central GSA Surface Water and Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the GSA CMP sampling schedule with the following exceptions; fifteen samples were not collected due to insufficient water and one sample for mercury (biennial sampling event) was inadvertently left off the sampling plan. The mercury sample will be collected first semester 2005. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.1-5. 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 is presented in Figure 2.1-2. Ground water elevation data collected from wells within the OU are similar to those collected during past quarters. Ground water elevations are presented in Appendix C.

2.1.3. Central GSA Remediation Progress Analysis

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

2.1.3.1. Central GSA Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Table 2.1-6. The cumulative mass estimates are summarized in Table Summ-2.

2.1.3.2. Central GSA Contaminant Concentrations and Distribution

At the Central GSA, VOCs are the primary COC in ground water and soil vapor. VOCs are present in three hydrostratigraphic units (HSU). In the western portion of the Central GSA, a VOC plume exists within a shallow HSU (Qt-$Tnsc_1$) contained within the Quaternary terrace deposits (Qt) and portions of the $Tnbs_2$ and $Tnsc_1$ bedrock units that subcrop beneath the Qt. A deeper HSU ($Tnbs_1$) underlies the Qt-$Tnsc_1$ HSU and consists of the $Tnbs_1$ bedrock units that are hydraulically separate from the shallow Qt deposits. A total VOC isoconcentration contour map for the Qt-$Tnsc_1$HSU is presented in Figure 2.1-3. In the eastern portion of the Central GSA area (near the sewage treatment pond), the Qt deposits and the $Tnbs_2$ and $Tnsc_1$ bedrock units are not present. Quaternary alluvial deposits (Qal) directly overlie the shallow $Tnbs_1$ bedrock that comprises the (Qal-$Tnbs_1$) HSU in this area.

The current extent of total VOCs in the shallow Qt-$Tnsc_1$ HSU is similar to that shown in the First Semester 2004 CMR. The current maximum total VOC concentration in the Qt-$Tnsc_1$ HSU (3,100 μg/L, July 2004) occurs in a ground water sample from well W-875-07, located in the Building 875 dry well pad area where the historical maximum total VOC concentrations have been detected. Although the extent of the TVOC plume has not changed over time, the current maximum TVOC concentrations in the source area wells have decreased by at least an order-of-magnitude since remediation began in 1994. VOCs are not detected in ground water samples from wells in the deeper $Tnbs_1$ HSU that underlies the Qt-$Tnsc_1$ HSU.

Toward the sewage treatment ponds, lower concentrations of VOCs are present in the shallow alluvium (Qal) and shallow $Tnbs_1$ bedrock (Qal-$Tnbs_1$ HSU). As the $Tnsc_1$ confining layer is absent in this area, VOCs have migrated from the Qal into the unconfined $Tnbs_1$ bedrock. VOCs have been detected in ground water at low concentrations in the sample from only one shallow $Tnbs_1$ well, W-7N at a concentration of 1.0 μg/L (October 2004). In light of the relatively low concentrations and small plume size, maps depicting VOCs in the $Tnbs_1$ HSU are not included in this report.

2.1.3.3. Central GSA Remediation Optimization Evaluation

During the second semester of 2004, extraction well W-7O removed the majority of ground water while the dry pad extraction wells W-7I, W-875-07, and W-875-08 removed lesser amounts of ground water. Based on the ground water elevation map shown in Figure 2.1-2, pumping at W-7O, W-7I, W-875-07, and W-875-08 appear to adequately capture the highest concentrations in ground water emanating from the Building 875 dry wells source area.

The Central GSA SVE system was turned off from December 2003 to October 2004 to evaluate soil vapor rebound in the source area. Three vapor sampling events were conducted during the period of SVE shut-off and it was observed that TCE vapor concentrations rebounded two to three orders of magnitude in most of the SVE wells. These results indicate that the vapor mass removal rate may be limited to desorption and that continued soil vapor extraction will be required.

An SVE zone of influence test was performed during December 2004. The vacuum induced in the vicinity of the SVE wells stabilizes almost instantly once the system is turned on and off. Figure 2.1-4 presents the contours of the observed vacuum during SVE system operation. Based on this figure, the effective radius of the zone of influence is approximately 40 feet.

2.1.3.4. Central GSA OU Performance Issues

There were no performance issues during this reporting period.

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. A map of Building 834

OU showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.2-1. Past spills, piping leaks, and septic-system effluent 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.

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 and treat VOCs, nitrate, and TBOS. The area to the south of the core area is referred to as the distal area. Due to the very low ground water yield from individual extraction wells (< 0.1 gallons per minute), 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 water up coning which prevents soil vapor flow through the well screens.

The extraction well field consists of 12 extraction wells for both ground water and soil vapor extraction. Nine extraction wells (W-834-B2, -B3, -D4, -D5, -D6, -D7, -D12, -D13, and -J1) are located within the core area and three (W-834-S1, -S12A, and -S13) in the leach field portion of the distal area. The current GWTS configuration includes floating hydrocarbon adsorption devices (pigs) to remove the floating silicon oil, TBOS, followed by aqueous phase GAC to remove VOCs and dissolved-phase TBOS from ground water. Treated ground water is discharged via a misting system to indigenous grasses to remove nitrate. 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 sub-sections: mass removal, analysis of contaminant distribution and concentration trends, remediation optimization evaluation, and performance issues.

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 Table 2.1-2 through 5. The pH measurement results are presented in Appendix A.

2.2.1.2. Building 834 OU Operations and Maintenance Issues

As described in the First Semester 2004 CMR, from January 2004 through September 2004, the GWTS and SVE systems were undergoing major reconstruction to install new control systems and wellhead monitoring equipment, as well as expanding the well field. The GWTS was reinitiated on September 20, 2004. Ground water extraction was conducted for two weeks without SVE to determine ground water yields without SVE enhancement. The pH of the initial batches of treated water was elevated. The water was neutralized with vinegar so the pH was within effluent limitations prior to discharge. The new GAC is believed to be the cause of the elevated pH since the influent pH ranges between 7.0 and 7.2. The SVE system was reinitiated on October 4, 2004. A number of scheduled and non-scheduled facility shutdowns occurred during the reporting period. Two scheduled shutdowns occurred over the Thanksgiving and Christmas holidays to prevent potential damage caused by freezing temperatures. There was also a scheduled power outage to the Building 834 area from December 1st through December 8th that prevented operations. Several non-scheduled shutdowns occurred during this testing period that were attributed to mechanical issues associated with the new control systems and plumbing. One additional shutdown was attributed to a false-positive contaminant detection in treated water samples. The non-scheduled shutdown periods include the following:

- System was shut down from October 15th to October 19th while a detection of diesel range organic compounds in the effluent sample collected on October 4th (see Section 2.2.1.3 below) was investigated.
- Facility was shut down from September 23rd to September 27th while a water line leak was repaired.
- Vapor leaks caused the facility to be non-operational from December 9th to December 16th while the GAC tank was repaired.
- SVE control system electrical panel burned out preventing SVE operations from December 16th through the end of the year.

2.2.1.3. Building 834 OU Compliance Summary

As discussed above, initial batches of treated water were at an elevated pH (Appendix A), but were neutralized with vinegar prior to discharge to comply with the discharge pH limits of between 6.5 and 8.5. The result for diesel range organic compounds for the effluent sample collected on October 4, 2004 (Table 2.2-4) is believed to be a false-positive detection. Laboratory contamination resulted in 36 μg/L of diesel range organic compounds being detected in the method blank. No discharge of diesel range organic compounds had occurred. Therefore, the Building 834 GWTS operated in compliance with the Substantive Requirements for Wastewater discharge.

The Building 834 SVE 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.

2.2.2. Building 834 OU Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; twenty wells were not sampled due to being dry and twenty-one samples were not collected due to insufficient water in the monitor wells. 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 is presented in Figure 2.2-2. Saturation remained extensive during the first semester of 2004 due to the continued shutdown of the treatment facility and significant rainfall in early 2004. A decrease in saturation was noted within the core area after initiation of ground water extraction. Ground water elevations are presented Appendix C.

2.2.3. Building 834 OU Remediation Progress Analysis

This section is organized into four sub-sections: 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 for the second semester of 2004 are presented in Table 2.2-8. Total ground water and soil vapor mass removed for 2004 is presented in Table Summ-1. The cumulative mass removed is presented 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, diesel, benzene, toluene, ethylbenzene, and total xylene (BTEX), and nitrate are the secondary COCs. With the exception of nitrate, the highest concentrations of these constituents have historically been detected in the core area. These constituents have been identified in two shallow HSUs, the Tpsg perched water-bearing gravel zone and the underlying Tps-clay/$Tnsc_2$ perching horizon. A total VOC isoconcentration contour map for the Tpsg perched water-bearing zone is presented in Figure 2.2-3. Isoconcentration contour maps for the secondary COCs, TBOS, and nitrate are included as Figures 2.2-4 and 2.2-5, respectively. No diesel range organic compound isoconcentration contour map has been included, as only two wells have been identified with actual diesel contamination. In addition, BTEX detections have historically been very sporadic in only a small subset of wells. Therefore, no isoconcentration contour map has been included.

Within the Tpsg HSU in the Building 834 core area, VOC concentrations ranged from a high of 83,000 μg/L (August 2004) in a ground water sample from well W-834-C5, to a low of 88 μg/L in a sample obtained from W-834-J1 (August 2004). In areas of active treatment within the Tpsg HSU further from spill locations, VOC concentrations have generally decreased. However, VOC concentrations at other locations have remained similar to past years. We believe this is due to the presence of residual free-phase TCE that continues to contribute to the dissolved phase VOC plume. In addition, only two months of active extraction and treatment occurred since June 2002 due to area access restrictions associated with the Weapons Program testing and facility expansion and modification activities.

The highest total VOC ground water concentrations in the Building 834 OU occurred in the underlying Tps-clay perching horizon. A ground water sample collected from the Tps clay core area well W-834-A1 contained 180,000 μg/L (August 2004) of total VOCs during the second semester of 2004. VOCs at these concentrations in ground water are generally indicative of free phase product. The concentrations within the Tps clay unit have remained relatively stable as no active treatment has been conducted within this unit. Pump and treat operations within fine grained sediments found in the Tps clay unit are expected to have poor effectiveness due to very low hydraulic and pneumatic conductivities. Other less proven and more experimental treatment options, such as hydrofracing and biodegradation might have to be employed to remediate the underlying perching horizons.

VOCs have also been detected at high concentrations in the distal area Tpsg HSU. The VOC concentrations in this area have historically remained constant. The maximum total VOC concentration outside the core area during the second semester 2004 was detected in a ground water sample from Tpsg well W-834-T2 (30,000 μg/L, August 2004). This well is located about 500 feet south of the core area. Although ground water and soil vapor extraction and treatment have been initiated in the more northern portions of the distal area (leach field area), active extraction and treatment within the T2 cluster area, as discussed in Section 2.2.3.3, has not been initiated. Residual free-phase product may still be present in distal areas as shown by the stable VOC concentrations within the distal area. TCE biodegradation has continued within the core area where significant amounts of TBOS are present and serve as an electron donor for intrinsic biodegradation. The primary by-product of this biodegradation has historically been cis-1,2-DCE, although limited vinyl chloride has also been detected. Twenty-three wells within the core area had measurable quantities of cis-1,2-DCE during this reporting period, with several wells consisting almost entirely of cis-1,2-DCE. Vinyl chloride continues to be detected in ground water samples from five core area wells (W-834-B3, -C5, -D3, -D4, and -D5) at concentrations ranging from 1.1 μg/L to 250 μg/L. Cis-1,2-DCE has also been detected in eight distal area wells, and although low concentrations of TBOS have been detected in some distal area wells, it has not yet been determined whether TBOS fermentation is the main driving mechanism for biodegradation. No vinyl chloride has ever been detected in any distal area wells.

TBOS continues to be detected at high concentrations almost exclusively in the core area where this compound exists as floating product. The current maximum TBOS concentration (53,000 μg/L, December 2004) was measured in well W-834-D3. The wells with the highest concentrations of TBOS (W-834-D3 and W-834-D4) 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. Although the maximum TBOS concentration has decreased below its historical maximum, TBOS concentrations remain high in the core area. TBOS was detected in only one well outside of the core area, W-834-S1, at a concentration of 1.5 μg/L (October 2004), and remains below detection limits in the deep $Tnbs_1$ guard wells W-834-T1 and W-834-T3.

Nitrate is detected in ground water samples from wells located in both the core and distal areas of the Building 834 OU with the highest nitrate concentrations located in distal areas. The 2004 maximum nitrate concentration within the core area was detected in the sample from well W-834-D15 (138 milligrams per liter [mg/L], January 2004). Nitrate concentrations in the core area vary spatially and temporally related to denitrification associated with the intrinsic biodegradation. The likely source of the nitrate is both natural and anthropogenic (e.g., septic). The nitrate influent concentrations to the treatment facility exhibited an increasing trend for an initial startup concentration of 35 mg/L to 67 mg/L after one month of operation. This increase is probably due to the introduction of oxygen into the subsurface during SVE operation which subdues intrinsic biodegradation and denitrification. The maximum nitrate concentration in the distal area was detected in a sample from well W-834-S7 (333 mg/L, January 2004). Nitrate concentrations remain below detection limits in ground water samples from the deep $Tnbs_1$ guard wells W-834- T1 and W-834-T3.

As reported in previous reports, n-Butyl-Benzenesulfonamide (BBSA) was leaching from the nylon tubing used with the ground water extraction pumps. This compound, which elutes within the diesel range, was erroneously being identified as diesel fuel. All nylon tubing was replaced with polyethylene tubing during the first semester of 2004 in the Building 834, Central GSA, and Building 832 Canyon OUs. The extent of diesel contamination related to the previous underground storage tank is believed to be limited to a very small area. A small subset of wells (W-834-2001, -A1, -A2, -D10, -D11, -D12, -D16, -D17, -D7, -U1, -K1A, -S1, -S8, and -S9) is being used to track the potential migration of diesel. Although diesel range organic compounds were detected in six wells within the Building 834 OU during 2004, only two of these, W-834-2001 and W-834-U1, actually contained diesel fuel. All other detections of diesel range organic compounds were related to the presence of other compounds, like TBOS, which elute within the diesel range. These data have been flagged as not typical of diesel fuel. BTEX monitoring was conducted in all extraction wells, as well as two additional wells, one of which (W-834-2001) contains a thin layer floating diesel product. Only W-834-2001 had positive detections for benzene and total xylene at concentrations of 3.1 μg/L and 28 μg/L (November 2004), respectively. BTEX data is being evaluated to justify the reduction in the number of wells used to track this contamination. This evaluation will be included in the First Semester 2005 CMR.

Chromium monitoring continues in wells that were affected by improperly wired pressure transducers that produced electrical short circuits. Chromium samples were collected from five wells during 2004. Although all chromium concentrations remain below the MCL of 0.05 mg/L, the chromium concentration in ground water samples from well W-834-M1 (0.02 mg/L, August 2004)) continues to persist above background concentrations prior to the transducer incident. Additional organic compounds related to galvanic reactions associated with the shorting transducers were detected in ground water samples from well W-834-M1 during 2004. These additional compounds include chloroform, 1, 3-dichlorobenzene, bromodichloromethane, and dibromochloromethane. 1, 4-Dichlorobenzene was also detected in samples from monitor wells W-834-S1 and –S8. The presence of this compound in these two wells does not appear to be related to the transducers, since detections of this compound were found prior to the use of transducers in these wells.

2.2.3.3. Building 834 OU Remediation Optimization Evaluation

An extensive facility optimization study was performed in 2003 to improve the performance of this facility. As reported in the previous CMR, the number of extraction wells has been decreased from fifteen to eleven based on optimization test results. The new well field configuration was expected to maintain or increase VOC mass removal while increasing performance monitoring. Extraction pipelines and necessary wellhead equipment were extended to the leach field and T2 areas by the end of September 2004. The performance of the leach field wells is summarized in the next section under Performance Issues. Pumping of the T2 area extraction wells is being delayed to conduct studies to evaluate the potential of utilizing *in situ* bioremediation within the T2 cluster area. The first part of this evaluation consists of performing a tracer study. This study will entail the injection of approximately 4,000 gallons of Hetch-hetchy water into the up-gradient T2 cluster area well, W-834-1824. This water has a very distinct oxygen isotopic ratio that is very different from the ground water. In addition, Hetch-hetchy water has much lower total dissolved solids. These constituents and ground water elevations will be used to track the migration of the Hetch-hetchy water through the T2 cluster area. This study is being conducted to determine transit times from the injection well to observation wells and to identify the presence of preferential flow paths. Data from this study is the first step necessary to determine whether an enhanced treatment method involving injection of a fluid reactant is a feasible alternative to pump and treat technologies. The initial phase of the tracer study was initiated during December 2004. The tracer study is expected to continue through 2005. In addition, a microcosm study will be performed in 2005 to evaluate if the naturally occurring bacteria are capable of complete biodegradation of TCE to the non-regulated end point of ethane or if bioaugmentation would be necessary, and to determine what electron donor would be most effective in driving anaerobic biodegradation.

2.2.3.4. Building 834 OU Performance Issues

The GWTS and SVE systems were operational for approximately two months of this reporting period due to treatment facility modification and construction activities. Although the facility only operated for two months, significant VOC mass was removed from the vapor phase during this short period of operation due to the addition of 3 new expansion wells in the leach field area. The leach field is an area of known high VOC concentrations in soil and ground water. The new leach field extraction wells, W-834-S1, -S12A and -S13, accounted for approximately 89% (49.45 kg) of VOC mass removed in vapor during 2004. The VOC mass removed from the ground water increased only slightly when compared to previous operating periods.

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 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; forty-two samples were not collected due to insufficient water. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.3-1. Analytical tables are reported in Appendix B.

In addition to satisfying the CMP and post-closure sampling requirements, ground water is also monitored at Pit 6 to verify that the COCs continue to decline as a result of natural attenuation processes. The selected remedy for tritium and VOCs in ground water at Pit 6 in the Site 300 Interim Record of Decision (ROD) is Monitored Natural Attenuation, which requires monitoring to verify that tritium and VOC ground water contamination is decreasing in magnitude and extent.

A ground water potentiometric surface map is presented in Figure 2.3-2. Ground water elevation data collected from wells within the OU are similar to those collected during past quarters. Ground water generally occurred at about 30 feet below the buried waste trenches. Ground water elevations are presented in Appendix C.

2.3.2. Pit 6 Landfill OU Remediation Progress Analysis

This section is organized into three sub-sections: 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. Ground water contaminant isoconcentration contour maps for total VOC and tritium are presented in Figures 2.3-3 and 2.3-4, respectively. Maps showing perchlorate and nitrate concentrations are presented in Figures 2.3-5 and 2.3-6, respectively.

TCE was detected in ground water samples from six wells in 2004 with concentrations ranging from 0.6 µg/L in well K6-17 (July 2004) to 5.4 µg/L in well EP6-09 (February 2004). Overall, TCE concentrations generally decreased in all six wells during the year. In the fourth quarter 2004, TCE was detected in a ground water sample from only one well, EP6-09, at a concentration (5.2 µg/L) that exceeded the 5 µg/L MCL for TCE. PCE was detected in ground water samples from two wells in 2004 with concentrations ranging from 0.7 µg/L in well EP6-08 (December 2004) to 1.0 in well K6-36 (February 2004). During 2004, PCE concentrations remained fairly stable and well below the 5 µg/L MCL for PCE. Cis-1,2-DCE was detected in ground water samples from two wells in 2004 with concentrations ranging from 0.5 µg/L in well K6-01 (January 2004) to 2.8 µg/L in well K6-01S (November 2004) and remained well below the 6 µg/L MCL for cis-1,2-DCE. The cis-1,2-DCE detected in ground water is likely a product of the natural degradation of TCE. Based on the 2004 data, the VOC plume appears to be relatively stable with slight decreases in contaminant concentrations and there are no indications of new releases of VOCs from the Pit 6 landfill. Bromoform, dibromochloromethane, bromodichloromethane, and chloroform were detected in the December sample collected from CARNRW2. These constituents were not detected in ground water samples from any upgradient monitor wells. The total trihalomethane concentration was 18 μg/L, well below the MCL of 80 μg/L. It is likely that the trihalomethanes detected in the well are the result of laboratory error, backflow of chlorinated water from the Carnegie chlorination system into the well, and/or direct chlorination of the well water by Carnegie Park staff. VOC concentrations in CARNRW1 remain below method reporting limits.

Ground water tritium activities measured during this reporting period remained far below the 20,000 picocuries per liter (pCi/L) MCL. However, tritium continues to be detected above background (> 100 pCi/L) in ground water from wells located north and south of the fault. Along a transect north and sub-parallel to the fault, ground water tritium activities decrease from the current OU maximum of 1,680 pCi/L (December 2004) at well K6-36, located immediately east of Pit 6, to 140 pCi/L (October 2004) at well W-PIT6-1819, located immediately west of the CARNRW1 and CARNRW2 water-supply wells. The ground water tritium activity continues to decline from the historical maximum activity of 3,420 pCi/L (BC6-13, May 2000), indicating that tritium activity is decreasing with time. Wells K6-26, K6-27, K6-34, K6-35, and EP6-07 are screened in a deeper water-bearing zone than the wells along the transect discussed above. During the second semester of 2004, tritium was detected at 191 pCi/L (August 2004) in a ground water sample from well K6-35. Tritium activities in this well continue to exhibit a decreasing trend from a maximum value of 644 pCi/L (July 2001). Tritium was detected above background levels in the October samples from the offsite wells CARNRW1, CARNRW2, CARNRW3, and CARNRW4 (862 pCi/L, 852 pCi/L, 480 pCi/L, and 463 pCi/L, respectively). The October samples from CARNRW1, CARNRW2, CARNRW3, CARNRW4 were all sampled and analyzed on the same days and the activities reported for samples collected on this date are incongruous with both historical data for these wells and with tritium data from upgradient monitor wells during the fourth quarter 2004. In addition, CARNRW4 is located cross-gradient from the Pit 6 landfill and over 1,500 ft from CARNRW1, CARNRW2, and CARNRW3. Furthermore, no significant changes were observed in: (1) the operations of the CARNRW wells, (2) tritium activities in the upgradient guard well W-PIT6-1819, or 3) any of the plume monitor wells, that would indicate dramatic changes in tritium activities or movement in ground water. Tritium data from samples collected from the CARNRW wells in subsequent months returned to levels that are consistent with previous data for these wells. For these reasons, it appears that the high tritium activities detected in the CARNRW wells in October 2004 are an artifact of laboratory contamination. The tritium activities in these wells will be closely monitored.

During 2004, perchlorate was detected in ground water in only three wells in the Pit 6 landfill OU (EP6-09, K6-18, and K6-36). The maximum perchlorate detections during 2004 in EP6-09, K6-18, and K6-36 were 4.5 μg/L (February 2004), 14 μg/L (January 2004), and 6.2 μg/L (March 2004), respectively. In general, perchlorate concentrations in ground water have been steadily decreasing from their historical maximum concentration of 65 μg/L in well K6-19 in 1998.

The maximum nitrate concentration (181 mg/L, January 2004) for 2004 was detected in K6-23. This is the only well in the Pit 6 landfill OU with nitrate above the 45 mg/L MCL. The elevated nitrate levels detected in ground water from this well are likely related to septic system discharge rather than from the Pit 6 Landfill.

2.3.2.2. Pit 6 Landfill OU Remediation Optimization Evaluation

In the Pit 6 Landfill OU, 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 OU exhibit stable to decreasing trends and ground water elevations beneath the landfill remain well below the buried waste. Several ground water monitoring wells have been installed during the past two years to monitor tritium between the landfill and the CARNRW1 and CARNRW2 water-supply wells. Each of these new monitoring wells was carefully evaluated and screened in a fractured bedrock unit that responds to pumping from the water-supply wells. Tritium activities in ground water continue to decrease and remain far below the 20,000 pCi/L MCL.

2.3.2.3. Pit 6 Landfill OU Performance Issues

The Pit 6 landfill cap performed according to expectations during the reporting period.

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 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 rinse-water lagoons.

Four GWTSs operate in the HEPA: Building 815-Source (B815-SRC), Building 815-Proximal (B815-PRX), Building 815-Distal Site Boundary (B815-DSB), and Building 817-Source (B817-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 B815-SRC GWTS treats ground water for TCE, RDX, perchlorate, and nitrate and has been in operation since September 2000. Ground water is extracted from well W-815-02 at a rate of about 1.0 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 ground water is discharged via a misting system to indigenous grasses to remove nitrate.

The B815-PRX GWTS treats ground water for TCE, perchlorate, and nitrate and has been in operation since October 2002. Ground water is extracted from wells W-818-08 and W-818-09 at approximately 1 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 ground water is discharged via a misting system to indigenous grasses to remove nitrate.

The B815-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 using solar power at 2 and 1.5 gpm, respectively. The current GWTS configuration includes aqueous phase GAC connected in series for TCE removal. The facility is designed to treat up to 5 gpm of ground water at the expected influent concentrations. Treated ground water is discharged to the Corral Hollow alluvial aquifer in a nearby infiltration trench.

The B817-SRC GWTS treats ground water for VOCs, 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.

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

This section is organized into four sections: 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 4. 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 Table 2.4-5 through 7. The pH measurement results are presented in Appendix A.

2.4.1.2. HEPA OU Operations and Maintenance Issues

During the second semester of 2004, the B815-SRC ground water treatment system was shut down for 4 days in July due to a blown gasket.

The Building 815-Proximal ground water extraction treatment facility was offline for two days from August 2nd to August 4th.

The pump motor on extraction well W-35C-04 at the B815-DSB facility failed in mid-August and was off-line through September 28, 2004. Despite the loss of extraction at well W-35C-04, B815-DSB operated throughout this reporting period using the remaining extraction well W-6ER. Lack of sunlight during the winter months at the end of this reporting period resulted in extended periods of shutdown at this solar-powered facility. It is imperative that this facility maintains continuous operation because its extraction wells capture the leading edge of the HE Process Area VOC plume at the Site 300 boundary. During the first semester of 2005, this facility will be upgraded to use Site 300 power to enable 24 hour/7 day per week operation. The treatment facility was also shut down to protect against damage caused by freezing temperatures on December 21, 2004 and remained off for the remainder of the reporting period

The B817-SRC ground water treatment system operated nearly continuously during the second semester of 2004. This facility was shut down for six days in November to replace a leaking GAC canister. The facility was also down for nine more days in November due to a leak in the outlet piping on the newly replaced GAC fiberglass canister. In addition, the treatment facility was shut down to protect against damage caused by freezing temperatures on December 20, 2004 and remained off for the rest of the reporting period.

2.4.1.3. HEPA OU Compliance Summary

The B815-SRC, B815-PRX, B815-DSB, and B817-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 facility sampling and analysis plans comply with CMP monitoring requirements. The sampling and analysis plans are presented in Table 2.4-8. There were no modifications made to the plans.

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; 2 samples were not collected due to access restrictions, 5 samples were not collected due to pump failure, 5 samples were not collected due to a well being converted to an injection well, and 49 samples were not collected due to insufficient water. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.4-9. This table also explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical tables are reported in Appendix B.

A ground water potentiometric surface map is presented in Figure 2.4-2 showing a mean flow direction to the southeast. Ground water elevation data collected from wells within the OU are similar to those collected during past quarters. 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 and soil vapor mass removal estimates are summarized in Tables 2.4-10 through 14. 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. These constituents have been identified in the $Tnbs_2$ aquifer. A total VOC isoconcentration contour map based on data collected during the second six months of this reporting period is presented in Figure 2.4-3. Isoconcentration contour maps for the secondary COCs are based on data collected during the first six months of this reporting period because secondary COC samples are generally collected during the first semester of the year. Secondary COC maps for the HEPA are presented in Figures 2.4-4 through -6.

In 2004, VOCs were detected in ground water samples from HEPA wells at concentrations ranging from a maximum concentration of 55 µg/L in well W-818-11 to below method reporting limits of 0.5 µg/L in offsite guard wells W-35B-03, W-35B-04, and W-35B-05. Overall, VOC concentrations in ground water in the $Tnbs_2$ HSU in the HEPA have decreased by about 50% from a maximum historical concentration of 110 ug/L (May, 1992) to 45 µg/L during 2004 in B815-PRX extraction well W-818-08. The B815-PRX extraction well field captures the highest concentrations in the HEPA VOC plume. Although total VOC concentrations remained essentially unchanged at the influent to B815-PRX during 2004, these concentrations have decreased from their historical maximum of 53 µg/L in 2002 to 31 µg/L during 2004.

Total VOCs were detected during July and October at 0.6 µg/L in samples from two of the five off-site guard wells for the HE Process Area (W-35B-01 and -02). These wells have historically had sporadic trace detections of VOCs. No VOCs were detected ground water samples during second semester 2004 from the remaining offsite guard wells (W-35B-03, -04 and -05). Total VOCs were detected in ground water samples collected from one of the three onsite guard wells, W-880-02, at concentrations ranging from 0.57 µg/L (October 2004) to 1.0 µg/L (July 2004). Historically, this Qal/fill well has had sporadic trace detections of total VOC ranging from 0.5 µg/L to 1.2 µg/L. Total VOCs were not detected in ground water samples from site-boundary guard wells W-880-01 and W-880-03 during second semester 2004. As shown in Figure 2.4-1, these guard wells are located in the southeast part of the HEPA OU. The detection of total VOCs in the guard wells is most likely related to the temporary suspension of pumping from B815-DSB extraction well W-35C-04 from mid-August 2004 to September 2004 due to a pump motor failure (Sec 2.4.1.2). This well is operational again and total VOC concentrations are expected to decrease back to non-detectable levels. Total VOCs were regularly detected second semester in offsite water-supply well GALLO1 at concentrations ranging from 0.37 µg/L to 0.67 µg/L. This well has a long screen that extends from the shallow Corral Hollow Creek alluvial aquifer (Qal HSU) to a depth of nearly 200 feet at the base of the $Tnbs_2$ aquifer. Although sporadic detections of total VOCs ranging from 0.2 µg/L to 4.0 µg/L have been detected in samples from GALLO1, total VOCs have never been detected above the 0.5 µg/L detection limit in ground water samples collected from upgradient water-supply guard wells (W-6H and W-6J).

In 2004, the maximum RDX ground water concentration (77 µg/L) in the HEPA was detected in a ground water sample collected from the influent port to B815-SRC. This maximum concentration decreased from the 2003 maximum of 130 µg/L. B815-SRC treats ground water from a single extraction well, W-815-02. The historical maximum RDX concentration occurs in samples from well W-815-04. However, no ground water samples were collected from this well during 2004 due to pump problems. The RDX concentration in W-815-04 was 83 μg/L when it was last sampled in March 2003. Well W-815-04 is planned as a B815-SRC expansion extraction well. During 2004, the RDX concentration at the B815-SRC influent remained about the same, (77 μg/L in April to 66 μg/L in October), while the RDX influent concentration at B817-SRC decreased from 60 μg/L in January to 42 μg/L in October. B817-SRC treats ground water from a single extraction well, W-817-01. Overall, maximum RDX concentrations in ground water in the HEPA have generally decreased from their historical maximum of 200 μg/L in 1992 to a maximum of 77 μg/L in 2004. RDX was not detected in any of the HEPA site boundary or water-supply guard wells during 2004. The extent of RDX contamination in the $Tnbs_2$ HSU is more limited than VOCs and the extent of RDX in ground water remained essentially the same as shown in previous reports. RDX decreases rapidly downgradient to below the 0.6 μg/L Preliminary Remediation Goal (PRG) just northwest of well W-818-08.

In 2004, perchlorate was detected in ground water samples from HEPA wells at concentrations ranging from 34 µg/L in well W-817-03 (Aug, 2004) to below the method reporting limit of 4.0 µg/L in all Site 300 boundary and water-supply guard wells. Well W-817-03 and nearby well W-817-04 are scheduled as extraction wells for the B817-PRX facility which will be operational by the end of FY05. Overall, the perchlorate concentrations detected in ground water during have generally remained the same with previous years. This is expected to change to a decreasing concentration trend once the B817-PRX extraction well field is in place. The extent of perchlorate contamination in the $Tnbs_2$ HSU is more limited than VOCs and has remained essentially the same as shown in previous reports. Perchlorate decreases rapidly downgradient (southeast) of W-817-03 and W-817-04 to the 4.0 μg/L reporting limit north of guard wells W-6H and W-6J. During 2004, perchlorate was not detected in any of the HEPA site boundary or water-supply guard wells. Perchlorate was detected in a sample from Lower $Tnbs_1$ well, W-827-05, at a concentration of 7.4 μg/L (August 2004). Perchlorate has never been detected in this well or any monitor well screened in the Lower $Tnbs_1$ aquifer and this result is suspected to be an error. A confirmatory ground water sample will be collected in this well during the 1st quarter of 2005.

In 2004, nitrate was detected in ground water samples from HEPA wells at concentrations ranging from a maximum concentration of 110 mg/L in Tps monitor well W-808-01 and 96.7 mg/L in the influent sample to B815-SRC, which treats ground water from a single $Tnbs_2$ HSU extraction well, W-815-02. Overall, the nitrate concentrations detected in ground water during 2004 generally remained the same compared to previous years. Nitrate concentrations decrease significantly due to microbial denitrification near the Site 300 boundary where the $Tnbs_2$ aquifer is anoxic and under confined conditions. During 2004, nitrate was not detected above the 45 mg/L MCL in any of the HEPA guard wells. Nitrate concentrations are significantly lower than the drinking-water standard of 45 mg/L and below 10 mg/L in all wells near the Site 300 boundary.

2.4.3.3. HEPA OU Remediation Optimization Evaluation

The key to remediation optimization at the HEPA OU is to manage extraction well field flow rates to balance the influence of site boundary pumping with source area pumping. Based on the ground water elevation map and the total VOC isoconcentration map shown in Figures 2.4-2 and 2.4-3, the existing extraction well field 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. However, due to temporary suspension of pumping at the B815-DSB facility during the 1st and 2nd semesters of 2004, low concentrations of VOCs were detected in Site 300 boundary guard wells located at the leading edge of the VOC plume. Decreases in pumping in the Site 300 boundary area allowed the leading edge of the total VOC plume to migrate. This facility has been brought back on line and will be upgraded to operate on a continuous 24 hour per day / 7 day per week basis. Continuous operation of this facility should prevent any further migration of the total VOC plume in the Site 300 boundary area.

Although the extent of the primary and secondary COC plumes in the HEPA remains relatively unchanged, VOC and RDX concentrations within the plume interiors continue to decline from their historical maximums. These trends are due to combination of natural attenuation mechanisms and remediation efforts in the Source and Proximal areas of this OU. Secondary COC, perchlorate, concentrations have remained essentially unchanged since this COC has been monitored starting in 1998. With increased pumping associated with the installation of B817-PRX by the end of FY05, the maximum perchlorate concentrations should begin to decline. The B817-PRX extraction wells, W-817-03 and W-817-04, have the highest perchlorate concentrations in this OU.

2.4.3.4. HEPA OU Performance Issues

Although sporadic, low concentrations of total VOCs were detected in several site boundary guard wells during this reporting period; continued pumping at all the HEPA extraction wells should address this issue. If total VOCs continue to be detected in any of the on- or off-site guard wells, modifications to the extraction wellfield will be considered to prevent further migration of contaminants. Such modifications may include increasing pumping in existing upgradient extraction wells, adding new extraction wells, and/or installing site boundary guard wells closer to GALLO1. Additionally, upgrades to the B815-DSB are already in progress which involve the conversion of this facility from solar-power to electrical power which will allow continuous 24-hour per day/7 days per week operation. Increased ground water extraction is also planned for fiscal year 2005 in the HEPA OU with the installation of B817-PRX. This facility will extract from wells W-817-03 and W-817-04 located between B817-SRC and the Site 300 boundary. Extraction at these wells will increase the capture of the total VOC and perchlorate plumes, thereby minimizing or eliminating any impact from these plumes near the site boundary. Continued pumping at B815-PRX (W-818-08 and W-818-09) and the addition of an extraction well (W-815-04) at B815-SRC, will also improve long-term ground water mass removal at this OU and further prevent contaminated ground water from reaching the Site 300 boundary.

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; 23 samples were not collected due to insufficient water and 2 samples were inadvertently not collected. 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 tables are reported in Appendix B.

A ground water potentiometric surface map for the OU is presented in Figure 2.5-2. Ground water elevation data collected from wells within the OU are similar to those collected during past quarters. Ground water elevations are presented in Appendix C.

2.5.2. Building 850 OU Remediation Progress Analysis

This section is organized into three sub-sections: 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. A tritium isoconcentration contour map based on data collected during the second semester of 2004 is presented in Figure 2.5-3. An isoconcentration map of total uranium activities and $^{235}U/^{238}U$ mass ratios in ground water is presented in Figure 2.5-4. An isoconcentration map of nitrate in ground water is presented in Figure 2.5-5.

The current maximum tritium activity in ground water within the OU was 58,800 ± 5,900 pCi/L (October 2004) in a sample collected from well NC7-70. 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 generally continue to decline from a historical maximum activity of 566,000 pCi/L in 1985. The extent of the 20,000 pCi/L ground water tritium activity contour in alluvium and bedrock in Doall Ravine continues to diminish. Tritium activities in ground water north of Pit 2 and Pit 1 are generally below recent highs detected during the last few years. The maximum current ground water tritium activity detected in this area was 3,850 ± 400 pCi/L (December 2004) in a sample from well K1-06. Immediately south and east of Pit 2, the maximum ground water tritium activity detected was 11,000 ± 1,100 pCi/L (November 2004) in a sample from well NC2-08. Ground water samples collected in recent years from wells further south in Elk Ravine show very gradual increases in tritium activities over time, although these increases have recently been leveling off. The 2004 maximum tritium activity in this area was 7,780 ± 790 pCi/L (May 2004) in a ground water sample from well NC2-12I. During the second semester, tritium was detected in this well at 7,330 ± 750 pCi/L (November 2004). During 2003, the maximum tritium activity in ground water in this area was 8,370 ± 850 pCi/L (December 2003) in a sample collected from well NC2-12D.

The State MCL for uranium in drinking water is 20 pCi/L. Ground water uranium activities above the MCL have not been found in the Building 850 OU. Atom ratios indicative of depleted uranium were identified in ground water samples collected from several wells and a spring in the OU during 2004 by mass spectrometry. Alpha spectrometry was also used for analysis of uranium isotopes. Although this technique cannot be used to determine uranium provenance, it does provide measurement of uranium activity in water samples. 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 wells located downgradient of Building 850 that yielded ground water samples containing depleted uranium during 2004 are proximal to the firing table and are shown on Figure 2.5-4. The maximum total uranium activity detected in ground water from these wells during 2004 was 9.07 pCi/L (May 2004) in the sample from well NC7-28. During 2003, the maximum total uranium activity in ground water proximal to Building 850 was 11.5 pCi/L in a sample from well NC7-28. The extent of total uranium activities in ground water, as well as the suite of wells that sample ground water containing some depleted uranium, are similar to past years although the maximum total uranium activity has declined from 2003. Immediately north of the Building 802 area, depleted uranium was detected in ground water samples collected from wells NC2-05 and NC2-06A at maximum 2004 activities of 14.2 pCi/L (May 2004) and 1.2 pCi/L (May 2004), respectively. During 2003, a maximum total uranium activity, where some depleted uranium comprised a portion of the total, was detected in ground water near Building 802 in a sample from well NC2-05 (5.54 pCi/L). The extent of depleted uranium in ground water at Building 802 has not changed from 2003 to 2004. Although the maximum 2004 uranium activity did increase from 5.54 pCi/L in 2003 to 14.2 pCi/L in samples from well NC2-05, the $^{235}U/^{238}U$ atom ratios of 0.0068 (2003) and 0.0063 (2004) for these samples indicate that the vast majority of this uranium is natural in origin. Ground water uranium data from several wells immediately downgradient of Pit 2 indicated the presence of some depleted uranium. These data are discussed in Section 3.1.1 of this report.

During 2004, nitrate was detected above the 45 mg/L MCL in ground water samples from wells NC7-11, NC7-54, NC7-27, NC7-29, Well 8 Spring, NC2-10, NC2-12S, and NC2-19 (Figure 2.5-5). In 2003, nitrate exceeded the MCL in ground water samples from 5 wells in the OU. The 2004 maximum nitrate concentration (110 mg/L, May 2004) was detected in a ground water sample collected from well NC2-10. In 2003, this well also yielded the ground water sample with the highest nitrate concentration collected in the OU (140 mg/L, June 2003). Thus, the maximum nitrate concentration detected in ground water in the OU has declined from 2003 to 2004. The historic maximum nitrate concentration detected in the OU appears to be the 140 mg/L detected in the 2003 ground water sample from well NC2-10

During 2004, perchlorate was detected in ground water samples from 21 wells in the OU. The maximum perchlorate concentration was 54 μg/L (May 2004) in a ground water sample collected from well NC7-70, which is immediately downgradient of Building 850. Samples from 17 wells collected during 2004 met or exceeded the 6 μg/L State PHG for perchlorate in drinking water. These wells were located immediately downgradient of Building 850, in Doall Ravine, and in the portion of Elk Ravine immediately south of its juncture with Doall Ravine. During 2003, perchlorate was detected in the OU at a maximum concentration of 53 μg/L in the ground water sample from well NC7-61. During 2003, 5 wells in the OU yielded ground water samples that exceeded the State PHG. The increase in the number of wells that yielded perchlorate ground water concentrations in excess of the State PHG is a factor of the larger number of wells sampled in 2004. A map of the distribution of perchlorate in Building 850 OU ground water will be presented in the next Annual CMR report.

2.5.2.2. Building 850 OU Remediation Optimization Evaluation

Monitored Natural Attenuation (MNA) is the selected remedy for remediation of tritium in ground water emanating from the Building 850 area. MNA continues to be effective for 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 contour also continues to diminish. In general, ground water tritium activities continue to decline or are below historic highs in all areas except south of Pit 2 and in southern Elk Ravine. South of Pit 2, tritium activities in ground water have increased slightly from 10,400 pCi/L in 2003 to 11,000 pCi/L in 2004 in samples from well NC2-08. These ground water tritium activities are below the historic highs of 19,200 pCi/L of tritium detected in ground water in this area in 1999. In southern Elk Ravine there have been very gradual increases in tritium activities over time; however, these increases have recently been leveling off 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 well below the 20 pCi/L MCL in all wells in the Building 850 area. 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 although the maximum total uranium activity has declined from 2003. The extent of depleted uranium in ground water at Building 802 has not changed from 2003 to 2004. Although the maximum 2004 uranium activity in Building 802 ground water did increase from 5.54 pCi/L in 2003 to 14.2 pCi/L, the vast majority of this uranium is natural in origin.

The extent of nitrate in ground water is also similar to that observed in previous years. The maximum nitrate concentration observed in OU ground water declined from 140 mg/L in 2003 to 110 mg/L in 2004. The increase in extent of perchlorate in ground water and number of wells in the OU that yielded perchlorate ground water concentrations in excess of the State PHG is due to the larger number of wells sampled in 2004. The maximum perchlorate concentration detected in ground water in the OU in 2003 (54 μg/L) remained about the same as detected in 2004 (53 μg/L).

2.5.2.3. Building 850 OU Performance Issues

There were no performance issues during 2004.

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.

Two GWTSs currently operate in the Building 854 OU; Building 854-Source (B854-SRC) and Building 854-Proximal (B854-PRX).

The B854-SRC GWTS treats ground water for VOCs, nitrate and perchlorate and began operation in December 1999. Ground water is extracted at a rate of approximately 1 gpm from well W-854-02. 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. The treated ground water is discharged through nearby misting towers to indigenous grasses to remove nitrate.

The B854-PRX GWTS treats ground water for VOCs, nitrate and perchlorate and began operation in November 2000. Ground water is extracted at a rate of 1 gpm from well W-854-03 located southeast of the Building 854 complex. This facility has been in operation since November 2000. The current GWTS configuration includes aqueous-phase GAC connected in series for VOC removal, above ground containerized wetland bio-treatment for perchlorate and nitrate removal, and an ion-exchange resin treatment for polishing 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 sections: 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 and 2. 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 Table 2.6-3 and 2.6-4. The pH measurement results are presented in Appendix A.

There were no performance issues at B854-SRC or B854-PRX during the reporting period.

2.6.1.2. Building 854 OU Operations and Maintenance Issues

The B854-SRC GWTS operated continuously throughout the second semester of 2004 with the following exceptions:

- Building 854-Source shut down the last weekend in July until August 18th due to a faulty control system. The batteries and power supply were replaced.
- Exposed plumbing was run over by a vehicle in early August. The broken pipe was repaired.
- Resin was changed in the first column on December 2nd.
- Drawdown of the extraction well during refilling of the resin column in December prevented restart of the facility until the water level recovered on December 6th.

- Facility shut down from December 20th until the remainder of the reporting period to protect against damage caused by freezing temperatures.

The B854-PRX GWTS operated continuously throughout the second semester of 2004 with the following exceptions:

- Building 854-Proximal was shut down from September 27th until October 25th due to perchlorate breakthrough. The resin columns were replaced.
- Maintenance was performed on the wetland containers in September to thin the plants and remove root mass.
- Hour meter was replaced November 11th because it would reset when the power went off.
- Building 854-Proximal had a leaking carbon drum on December 1st. The drum was replaced and the facility was restarted within a few hours.
- Facility shut down from December 20th for the remainder of the reporting period to protect against damage caused by freezing temperatures.

2.6.1.3. Building 854 OU Compliance Summary

The Building 854-SRC GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge.

The Building 854-PRX GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge during the reporting period. During September, the facility was shut down when perchlorate was detected in the facility effluent. The facility was restarted after the treatment resin was replaced.

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 2.6-5. There were no modifications made to the plans.

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: sixteen samples were not collected due to insufficient water. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.6-6. 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 is presented in Figure 2.6-2. Ground water elevations are presented in Appendix C. Ground water elevation data collected from wells within the OU are similar to those collected during past quarters.

2.6.3. Building 854 OU Remediation Progress Analysis

This section is organized into four sub-sections: 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 2.6-7 and 8. 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. Although the lower Neroly $Tnbs_1$ and the $Tnsc_0$ are distinct stratigraphic units, the ground water contained in these units appears to be in hydraulic communication. These stratigraphic units comprise a single HSU, the $Tnbs_1/Tnsc_0$ HSU. Isoconcentration contour maps for total VOC and perchlorate for this HSU are presented in Figures 2.6-3 and 2.6-4, respectively. A map showing nitrate concentrations for this HSU is presented in Figure 2.6-5.

In 2004, VOCs were detected in ground water samples from wells in the Building 854 OU at concentrations ranging from 180 µg/L in well W-854-02 to 1.6 µg/L in well W-854-07. Overall, VOC concentrations in ground water generally decreased from a maximum historical TCE concentration of 2,900 µg/L in 1997 to a maximum concentration of 180 µg/L in 2004.

The maximum total VOC concentration of 180 μg/L (November 2004) continued to be detected in ground water samples from the B854-SRC extraction well W-854-02. Total VOC concentrations decreased to below the 0.5 μg/L detection limit north of wells W-854-1701, W-854-1822, and W-854-1902. Localized VOC contamination occurs in wells W-854-06 (1.6 μg/L, November 2004) and W-854-07 (36 μg/L, November 2004) located in the vicinity of the former water-supply well, Well 13, and downgradient of the main VOC plume.

The Building 854 OU wells are sampled and analyzed for nitrate and perchlorate annually with the exception of the extraction wells (W-854-02 and W-854-03) that are monitored quarterly. In 2004, perchlorate was detected in ground water samples from only three wells (W-854-02, W-854-03, and W-854-1823) in the Building 854 OU. Concentrations ranged from 6 µg/L in well W-854-02 to 19 µg/L in well W-854-1823. Overall, perchlorate concentrations in ground water generally decreased slightly during the year when compared to previous years. The northernmost (upgradient) detection of perchlorate occurs in samples from well W-854-02. The most recent perchlorate detection in this well was 6.1 μg/L (October 2004), which is consistent with 2003 data. The southernmost extent of perchlorate in ground water was located at well W-854-1902 during 2003. However, perchlorate concentrations in ground water decreased to below the detection limit (0.5 μg/L) in well W-854-1902 during 2004.

In 2004, nitrate concentrations in ground water in the Building 854 OU ranged from 54 mg/L in well W-854-02 to 0.7 mg/L in well W-854-1731. Overall, nitrate concentrations in ground water generally decreased slightly during this year when compared to previous years. During the second semester of 2004, W-854-02 continued to have the highest nitrate concentration

(53.5 mg/L, October 2004) in ground water in the Building 854 OU. Nitrate decreased to below the drinking water standard of 45 mg/L just south of well W-854-09.

2.6.3.3. Building 854 OU Remediation Optimization Evaluation

The B854-SRC GWTS extraction well, W-854-02, consistently pumped at about 1 gpm during the second semester of 2004. Based on the ground water elevation map shown in Figure 2.6-2, pumping at W-854-02 appears to adequately capture the VOC contamination in ground water with concentrations greater than 100 μg/L in the Building 854 source area. The VOC concentrations in this well has decreased from its maximum historical concentration of 2,900 μg/L in 1997 and decreased slightly from its 2003 maximum concentration of 210 μg/L. Based on limited perchlorate data, perchlorate concentrations in this plume appear to be stable during the period of monitoring. The B854-PRX GWTS extraction well, W-854-03, pumped intermittently at about 1.1 gpm during the second semester of 2004. As mentioned in the B854 Remedial Design Report, an additional extraction well is planned in this area to further optimize control of the VOC plume.

2.6.3.4. Building 854 OU Performance Issues

The main issue influencing mass removal performance at the Building 854 OU continues to be the low permeability of the Neroly bedrock in this area. Although fractures appear to be important ground water flow-controlling features, the overall primary and secondary permeability in many wells is relatively low. At the B854-SRC facility, extraction well W-854-02 is currently pumping at 1 gpm. During second semester 2004, the pumping rate in this well was increased to 1.2 gpm, however this resulted in excessive drawdown in the well so the pumping rate was decreased back to 1 gpm. The performance of the B854-PRX facility is also limited by low well yield. In addition the limited capacity of the constructed wetland treatment technology used to treat perchlorate and nitrate at B854-PRX also constrains the performance of this facility. An expansion of the constructed wetland will be necessary to increase the performance at this facility. The expansion is scheduled for fiscal year 2007.

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.

Four GWTSs and two SVEs operate in the Building 832 Canyon OU: Building 832-Source (B832-SRC), Building 830-Source (B830-SRC), Building 830-Proximal North (B830-PRXN), and Building 830-Distal South (B830-DISS). The B832-SRC and B830-SRC facilities extract and treat both ground water and soil vapor, while the B830-PRXN and B830-DISS facilities extract and treat ground water only. 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 B832-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.

Ground water is extracted from nine wells (W-832-12, -13, -14, -15, -16, -17, -18, -20, and -22) to remove source contamination and to mitigate plume migration. Ground water extraction rates at this facility are seasonally variable, ranging from 10 to 200 gallons per day. 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. Treated ground water is discharged via a misting system. The B832-SRC SVE extracts soil vapor from the same nine wells used for ground water extraction. A positive displacement rotary lobe blower is used to create a vacuum at each wellhead 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. During this reporting period the soil vapor extraction system was offline as part of a soil vapor rebound test being conducted at this facility.

The B830-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. Ground water is extracted from three wells (W-830-1807, W-830-19, and W-830-59) to remove source contamination and to mitigate plume migration. These wells exhibit very low sustainable yield and are operated by timers that pump the wells at low flow rates until dry and then shut off while the water levels recover. 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. Treated water is then discharged via a misting tower to indigenous grasses to remove nitrate. The B830-SRC SVE system is being tested to evaluate whether this is a viable remediation technology for this low permeability source area. Soil vapor is extracted from well W-830-1807 using a regenerative blower and 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 B830-PRXN GWTS treats ground water for VOCs and began operation in October 2000. For the second semester of 2004 approximately 300 gallons of ground water per day were extracted from extraction well W-830-57 using a solar-powered ground water treatment unit. The ground water is treated using three aqueous-phase GAC units connected in series to remove VOCs; the effluent is discharged to the shallow subsurface via a French drain in a disposal trench.

The B830-DISS GWTS treats ground water for VOCs, perchlorate, and nitrate and began operation in July 2000. For the second semester of 2004 approximately 1,600 gallons per day of ground water are 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.

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 sub-sections: 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 4. 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 Table 2.7-5 and 2.7-6. The pH measurement results are presented in Appendix A.

The main performance issue impacting mass removal from the Building 832 Canyon OU facilities is low ground water yield. The contaminated water-bearing zones have low hydraulic conductivity and low ground water yield therefore the extraction wells cannot be operated continuously. Instead these wells are operated intermittently using pumps that are turned on and off by timers.

2.7.1.2. Building 832 Canyon OU Operations and Maintenance Issues

The B832-SRC GWTS operated intermittently during the second semester of 2004 for the following reasons:

- Facility was shut down from July 1st until July 13th due to computer electronics failure.
- Facility went off-line the week of September 24th due to a perchlorate detection in the effluent. The two ion-exchange columns (resin and canisters) were replaced and the facility was restarted October 1st.
- Blown air line diaphragms on all well heads caused a thirty day shut-down during November and December.
- Facility was shut down from December 21st for the remainder of the reporting period to protect against damage caused by freezing temperatures.

The B832-SRC SVE system was off-line for the duration of this reporting period as part of a soil vapor rebound test.

The B830-SRC GWTS operated nearly continuously during the second semester of 2004. The system was off for four days in August due to a perchlorate detection in the effluent. Operations at the B830-SRC soil vapor extraction and treatment system were routinely interrupted due to overheating during hot days.

The B830-PRXN GWTS operated intermittently during the second semester of 2004 for the following reasons:

- Facility was shut down the entire month of July until August 17th due to pump failure. Additional extraction well pump problems caused the facility to go off-line the week of September 10th. The facility was brought back up October 1st.
- Battery failure caused the facility to be down most of November.
- Facility was shut down from December 21st for the remainder of the reporting period to protect against damage caused by freezing temperatures.

The B830-DISS GWTS operated nearly continuously throughout the second semester 2004. The facility was offline for 10 days in July due to an extraction well pump failure

2.7.1.3. Building 832 Canyon OU Compliance Summary

During second semester of 2004, the B832-SRC, B830-SRC, B830-PRXN, and B830-DISS GWTSs operated in compliance with these requirements with the exception of two effluent perchlorate detections. Perchlorate was detected in the effluent of B832-SRC at concentrations of 8.2 μg/L (August 2004) and 7.6 μg/L (September 2004). The facility was shut down until the two ion-exchange columns (resin and canisters) were replaced.

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 2.7-7. There were no additional modifications made to the plan.

2.7.2. Building 832 Canyon OU Ground Water Monitoring

During 2004, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; 63 samples were not collected due to insufficient water and one sample was not collected because there was no access to the well due to demolition and destruction activities at a nearby building. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.7-8. This table explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are summarized in Appendix B.

Ground water elevations measured during the second semester 2004 are summarized in Appendix C. Ground water potentiometric surface maps for the Qal/fill, $Tnsc_{1b}$, and Upper $Tnbs_1$ HSUs are presented in Figures 2.7-2, 2.7-3, and 2.7-4, respectively. The Upper $Tnbs_1$ ground water potentiometric surface map presented in Figure 2.7-4 shows a ground water surface that is largely influenced by local heterogeneity and fractures associated with a fault. Ground water elevation data collected from wells within the OU are similar to those collected during past quarters.

2.7.3. Building 832 Canyon OU Remediation Progress Analysis

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

2.7.3.1. Building 832 Canyon OU Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Tables 2.7-9 through 12. 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 $Tnsc_{1b}$ and Qal/fill HSUs. Total VOCs have been detected at low concentrations in the $Tnbs_2$ and Upper $Tnbs_1$ aquifers. Total VOC isoconcentration contour maps for the Qal/fill, $Tnsc_{1b}$, and Upper $Tnbs_1$ HSUs are presented in Figures 2.7-5, 2.7-6, and 2.7-7, respectively. Isoconcentration contour maps for the secondary COCs are presented in Figures 2.7-8 to 2.7-13.

In 2004, total VOCs were detected in ground water samples from Qal/fill wells in the Building 832 Canyon OU at concentrations ranging from <0.5 µg/L to 2,100 µg/L in well W-830-30, located in the Building 830 source area. Historically this well and nearby well W-830-34 have had the highest total VOC concentrations in the Qal/fill HSU. The total VOC concentrations in well W-830-30 have decreased by about 50% since remediation began in 2000 in the Building 830 source area. The concentrations in well W-830-34 have remained relatively stable. Several new extraction wells are proposed as part of the B830-SRC expansion and will be specified in the Building 832 Canyon Remedial Design (RD) report. One expansion well is planned near well W-830-34. Extraction of high concentrations of VOCs in this area should result in decreasing Building 830 source area VOC concentrations.

The current maximum total VOC concentration (8,800 µg/L) in this OU was detected in the $Tnsc_{1b}$ HSU in well W-830-49. This well, which is located just south of the Building 830 source area, has historically contained the highest total VOC concentrations and will also be proposed to be added to the B830-SRC extraction wellfield as an expansion well in the Building 832 Canyon RD. Total VOC concentrations in this well have decreased slightly by about 10% since remediation began in 2000 in the Building 830 area.

Total VOCs have also been detected in the Upper $Tnbs_1$ HSU in the Building 832 Canyon OU. The total VOC concentrations in the Upper $Tnbs_1$ HSU during 2004 ranged from <0.5 µg/L to a maximum of 50 µg/L in well W-830-28. Currently, one extraction well (W-830-57) is pumping and treating total VOCs in ground water from this HSU at the B830-PRXN GWTS. The total VOC concentration in this well has decreased slightly from a maximum of 47 µg/L in October 2000 when remediation began at B830-PRXN to 31 µg/L in 2004. Additional Upper $Tnbs_1$ extraction wells are proposed for this area and will be specified in the RD report for this area. Total VOC concentration trends in the Upper $Tnbs_1$ will be monitored carefully due to the potential influence of water supply Well 20 pumping on this HSU.

During the second semester of 2004, total VOCs were detected in ground water samples above the 0.5 µg/L detection limit in two (W-35B-01 and W-880-02) of the three site-boundary guard wells for the Building 832 OU and the HEPA OU. Total VOCs were detected in samples from well W-880-02 at concentrations ranging 0.57 to 1.0 µg/L. Historically, this Qal/fill well has had sporadic trace detections of total VOC ranging from 0.5 to 1.2 µg/L. Total VOCs were detected in W-35B-01 at 0.6 μg/L (October 2004). Historically, this Qal/fill well has had sporadic trace detections of total VOC ranging from 0.5 to 1.9 μg/L. Total VOCs were not detected above the 0.5 μg/L detection limit in ground water samples collected from the two upgradient water-supply guard wells, W-830-20 and W-830-1831.

The current maximum total VOC concentration (8,800 μg/L, July 2004) in this OU was detected in the sample from the $Tnsc_{1b}$ HSU well, W-830-49. This well, which is located just south of the Building 830 source area, has historically contained the highest TCE concentrations. The leading edge of the plume at the 0.5 μg/L TCE detection limit remains in the vicinity of the site boundary.

In 2004, perchlorate was not detected in ground water samples from Qal/fill and Upper $Tnbs_1$ wells in the Building 832 Canyon OU above the detection limit of 4 μg/L. The current maximum perchlorate concentration (15 μg/L) in this OU was detected in the $Tnsc_{1b}$ HSU in well W-832-15, an extraction well at the B832-SRC treatment facility. This well has historically contained the highest perchlorate concentrations in this OU. Perchlorate concentrations in this well have decreased slightly by about 20% since remediation began in 1999 in the Building 832 area.

Perchlorate was not detected in any of the Building 832 Canyon guard wells during 2004. Perchlorate isoconcentration contour maps for the Qal/fill, $Tnsc_{1b}$, and Upper $Tnbs_1$ HSUs are presented in Figures 2.7-8 to 2.7-10. Perchlorate has not been detected in the Lower $Tnbs_1$ HSU. The extent of perchlorate contamination is more limited than TCE and remained essentially the same as shown in previous quarterly reports. The 2004 maximum perchlorate concentration of 15 μg/L occurs in the samples from wells W-832-15 and W-830-57 (July 2004 and August 2004, respectively).

During 2004, nitrate was not detected above the 45 mg/L MCL in any of the Building 832 Canyon guard wells. Nitrate isoconcentration contour maps for the Qal/fill, $Tnsc_{1b}$, and Upper $Tnbs_1$ HSUs are presented in Figures 2.7-11 to 2.7-13. The extent of nitrate contamination is more limited than TCE and remained essentially the same as shown in previous quarterly reports. In 2004, nitrate was detected in ground water samples from Qal/fill wells in the Building 832 Canyon OU at concentrations ranging from 67 mg/L in well W-832-SC4 to 1,400 mg/L in well W-830-34. Historically this well has had the highest nitrate concentrations in the Qal/fill HSU. Nitrate was detected in the Upper $Tnbs_1$ HSU at concentrations ranging from <0.5 mg/L to 18 mg/L in well W-830-57, the extraction well at the B830-PRXN treatment facility. Nitrate was detected in the $Tnsc_{1b}$ HSU at concentrations ranging from 0.88 mg/L in well W-830-21 to 164 mg/L in well W-830-19, an extraction well at the B830-SRC treatment facility. Nitrate concentrations in this well have decreased by 25% since remediation began in 2000 in the Building 830 area.

2.7.3.3. Building 832 Canyon OU Remediation Optimization Evaluation

The B832-SRC SVE system was shut down in October 2003 and remains down to evaluate soil vapor rebound. TCE was not detected in preliminary soil vapor samples above the 0.2 ppm_v detection limit. Subsequent soil vapor samples collected during 2004 also did not contain detectable levels of TCE or any other VOCs. Soil vapor rebound test results in combination with other planned tests will be used to determine whether this facility meets SVE system shut off criteria.

Ground water yield is so low in the Building 832 Canyon 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 2.7-6, 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. Total VOC concentrations in the facility influent for B832-SRC, B830-SRC, B830-PRXN, and B830-DISS have remained relatively constant throughout this reporting period.

In general, COC concentrations in the Building 832 Canyon OU source areas exhibit decreasing trends. For example, maximum total VOC concentrations have decreased by 50% and nitrate concentrations have decreased by 25% in the Building 830 source area; maximum perchlorate concentrations have decreased by 20% in the Building 832 source area. COC concentrations in the proximal and distal areas have remained relatively constant. Treatment facility extraction well field expansions are expected to increase the performance remediation efforts in this area.

2.7.3.4. Building 832 Canyon OU Performance Issues

Overall well yields remain low due to a combination of limited recharge, dewatering, and low hydraulic conductivity in the B832-SRC and B830-SRC facility areas. An evaluation to determine how to increase mass removal at this OU is in progress and will be specified in the upcoming RD report for this area.

The low concentrations of total VOCs detected in the two site boundary guard wells during this reporting period are most likely related to the temporary suspension of B815-DSB operation during 2004 (Sec 2.4.1.2). This facility is operational again and total VOC concentrations are expected to decrease back to non-detectable levels in the Building 832 Canyon and HEPA site boundary guard wells. Low concentrations of TCE have been detected in a recently installed well W-830-1832 located between the former leading edge of the $Tnbs_1$ TCE plume and Site 300 water-supply well 20. A new Upper $Tnbs_1$ guard well, W-832-2112, is proposed downgradient (southwest) of well W-830-1832, and upgradient of Well 20 for installation in fiscal year 2005.

Plans to expand the B830-SRC extraction wellfield to prevent further migration of contaminants toward Well 20 are currently in progress. Existing $Tnsc_{1b}$ well W-830-49 will be added as a ground water extraction well and three new ground water extraction wells, including an Upper $Tnbs_1$ extraction well, will be installed and connected to the facility. Increased ground water extraction is planned at the B832-SRC facility for fiscal year 2005. In addition to the existing wellfield this facility will extract from wells W-832-01, W-832-10, and W-832-11. Extraction at these facilities will increase the capture of the total VOC plume, thereby minimizing or eliminating any impact from this plume near the site boundary.

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 is 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. A map showing the locations of monitoring wells is presented in Figure 2.8-1. During the second semester of 2004, 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 2.8-1. This table delineates any additions made to the CMP. Analytical results are presented in Appendix B.

A map showing ground water elevations and hydraulic gradient direction in the $Tnbs_1$ HSU for the Building 801/Pit 8 Landfill area is presented in Figure 2.8-2. Ground water elevation data for the Building 801/Pit 8 area are similar to those collected during 2004. Ground water elevations are presented in Appendix C.

In 2004, VOCs were detected in ground water samples from wells in the Building 801/Pit 8 area at concentrations ranging from 0.6 μg/L at well K8-03B to 5.2 μg/L in well K8-01. Overall, VOC concentrations in ground water generally were similar to previous years. During the second semester of 2004, the maximum total VOC concentration detected in the Building 801 area was 3.0 μg/L of total VOCs in a ground water sample from well K8-01 (November 2004). Last semester, this well yielded the Building 801 area maximum of 5.2 μg/L of total VOCs in ground water. Figure 2.8-3 shows the measured ground water concentrations of total VOCs, in the $Tnbs_1$ aquifer for each well. For the last ten years TCE in ground water from wells K8-01 and K8-03B, located downgradient from the former Building 801D dry well, has ranged from below detection limits (<0.5) μg/L to a maximum of 5.2 μg/L.

Figure 2.8-4 is a map of perchlorate concentrations in Building 801/Pit 8 landfill area ground water. Perchlorate was not detected in ground water samples above the detection limit of 4 μg/L from any of the Building 801/Pit 8 monitor wells.

Figure 2.8-5 is a map of nitrate concentrations in Building 801/Pit 8 landfill area ground water. In 2004, nitrate was detected in ground water samples from wells in the Building 833 area at concentrations ranging from 1.8 mg/L at well K8-03B to 53 mg/L at well K8-04. All other nitrate concentrations from area ground water samples were below the 45 mg/L MCL. Overall, nitrate concentrations in ground water at Building 801/Pit 8 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 the shallow soil/bedrock and perched ground water in the Tpsg HSU. A map showing the locations of monitoring wells and ground water elevations is presented in Figure 2.8-6. 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 2003 has shown little evidence of saturation. During the first and second semesters of 2004, all the wells screened in the Tpsg HSU at Building 833 were dry or had insufficient water to collect a valid sample, so no VOC data were obtained from this HSU. Similar conditions have existed for several years at this site; the most recent sample that could be collected from the Tpsg HSU was from well W-833-03 in 2000, at which time all the other shallow wells were dry. Because there was no VOC data collected during the first or second semesters of 2004, no isoconcentration map is presented.

Only well W-833-31, which is screened in the deep regional aquifer ($Tnbs_1$ HSU), contained sufficient water to collect a sample during this reporting period. VOCs were not detected in the ground water sample from this well during the first or second semesters of 2004, indicating that the VOC contamination continues to be confined to the shallow, Tpsg perched water-bearing zone. Well W-840-01, also screened in the $Tnbs_1$ HSU, was dry during both the first and second semesters.

A ground water elevation map was not generated because the area is largely unsaturated.

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. 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 is presented in Figure 2.8-7. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-3. All required CMP detection monitoring samples were collected. There continues to be no water contamination detected in ground water in the Building 845 and Pit 9 landfill area. Analytical results are presented in Appendix B.

The monitoring wells near Pit 9 are screened in the lower Neroly Formation ($Tnsc_0$ HSU). A map showing ground water elevations and hydraulic gradient direction in the $Tnsc_0$ HSU is presented in Figure 2.8-8. Ground water elevation data collected from wells within the OU are similar to those collected during 2003. Ground water elevations are presented in Appendix C.

Detection monitoring of this 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 is presented in Figure 2.8-9. During the first and second semesters of 2004, 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.

A map showing ground water elevations and hydraulic gradient direction in the Tmss HSU is presented in Figure 2.8-10. Ground water elevation data collected from wells within the Building 851 area are similar to those collected during 2003. Ground water elevations are presented in Appendix C.

During the first semester of 2004, ground water samples were collected from the four Building 851 monitor wells and were analyzed for uranium isotopes by mass spectrometry. Unfortunately, total uranium concentrations were too low to quantify the ^{234}U and ^{238}U activities. These samples will be rerun and the data will be presented next semester. The re-analysis of the first semester 2004 samples indicated the following total uranium activities: W-851-05 (0.0850 ± 0.0140 pCi/L), W-851-06 (0.289 ± 0.0130 pCi/L), W-851-07 (0.370 ± 0.0490 pCi/L), and W-851-08 (0.144 ± 0.00400 pCi/L). All of these samples indicated very slight additions of depleted uranium to the natural uranium in the ground water. Second semester 2004 total uranium activities in ground water and $^{235}U/^{238}U$ mass ratio data are shown on Figure 2.8-11. A maximum total uranium activity in Building 851 area ground water of 0.371 ± 0.00900 pCi/L (November 2004) was detected in the sample from well W-851-08. The samples from all 4 Building 851 wells indicated small but measurable additions of depleted uranium to the natural uranium in the ground water. In 2004, uranium was detected in ground water samples from wells in the Building 851 area at concentrations ranging from 0.0670 ± 0.00500 pCi/L in well W-851-05 to 0.371 ± 0.00900 pCi/L at well W-851-08. Overall, uranium activity in ground water is similar to previous years.

During 2004, tritium was detected in a ground water sample from well W-851-08 at an activity of 164 +/- 57 pCi/L (June 2004). This is a typical result compared to the previous year's maximum ground water activity in well W-851-08 ground water of 270 pCi/L and continues the trend of decreasing tritium activities in this well from the one-time high of 3,790 pCi/L in late 1998.

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 Pit 2, 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. Section 3 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 the first semester of 2004.

3.1 Pit 2 Landfill

3.1.1. Contaminant Detection Monitoring Results

During the first and second semesters of 2004, ground water samples were collected from Pit 2 detection monitoring wells K2-01C and NC2-08 and analyzed for the CMP detection monitoring analytes. During the second semester of 2003, two new monitoring wells, W-PIT2-1934 and W-PIT2-1935, were installed at Pit 2 and were sampled during the first and second semesters of 2004 for CMP detection analytes (additional wells are scheduled for installation during 2007).

A ground water potentiometric surface map is presented in Figure 2.5-2. Ground water elevations are presented in Appendix C. Depth to ground water was measured at 50–55 ft beneath the Pit 2 landfill. These data are consistent with previous water elevations.

Tritium was detected below the 20,000 pCi/L MCL during the first and second semesters of 2004 in ground water samples from all four Pit 2 monitor wells, K2-01C, NC2-08, W-PIT2-1934, and W-PIT2-1935. This distribution of ground water tritium activities is primarily a result of transport of the Building 850 tritium plume into the Pit 2 area, although it is possible that Pit 2 is releasing some tritium to ground water.

Depleted uranium was detected in ground water samples from well K2-01C during the first semester (only semester sampled) and wells W-PIT2-1934 and W-PIT2-1935 during the first and second semesters. No other constituents that were monitored during the two semesters as part of the Detection Monitoring Program were detected in ground water. A map showing the locations of monitoring wells is presented in Figure 2.5-1.

During the first semester of 2004, depleted uranium was detected in a ground water sample from well K2-01C. The $^{235}U/^{238}U$ atom ratio in the sample was 0.0062 and contained 6.97 pCi/L (May 2004) of total uranium. A total uranium activity of 2.85 ± 0.222 pCi/L (May 2004) was detected in the first semester ground water sample from well NC2-08, but the $^{235}U/^{238}U$ atom ratio indicated that this uranium was natural in origin. The uranium activities detected in ground water samples from these wells are well below the drinking water standard of 20 pCi/L. The first semester 2004 ground water samples from monitor wells W-PIT2-1934 and W-PIT2-1935 indicated an addition of some depleted uranium, yielding $^{235}U/^{238}U$ atom ratios of 0.0051 and 0.0063 and total uranium activities of 17.2 ± 0.759 and 5.08 ± 0.180 pCi/L, respectively. The second semester 2004 ground water samples from monitor wells W-PIT2-1934 and W-PIT2-1935 also indicated an addition of some depleted uranium, yielding $^{235}U/^{238}U$ atom ratios of 0.0053 and 0.0064 and total uranium activities of 17.4 ± 0.483 and 5.58 ± 0.231 pCi/L, respectively. The detection of depleted uranium in the ground water samples from wells K2-01C, W-PIT2-1934, and W-PIT2-1935 suggests that low activities of depleted uranium have been added by Pit 2 to the naturally occurring uranium in the ground water. The release may have been hastened by the continued discharge of potable water that has been 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 Pit 2.

None of the other chemicals monitored in ground water at Pit 2 (metals, fluoride, HMX, RDX, nitrate, or perchlorate) were detected above regulatory limits. Perchlorate was detected in the samples from well NC2-08 (6 μg/L, May 2004) and K2-01C (4.8 μg/L, February 2004; 5.9 μg/L, May 2004; and 4.9 μg/L December 2004).

3.1.2. Sampling and Analysis Plan Modifications

The sampling and analysis plan for the Pit 2 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 2004. Shallow burrow holes were observed in the cover. No other problems were observed.

3.1.4. Annual Subsidence Monitoring Results

The annual subsidence monitoring was conducted during the second semester of 2004 and indicated no measurable subsidence. Subsidence monitoring will again be performed during the second semester of 2005.

3.1.5. Maintenance

Shallow animal burrows were filled with local soil and compacted with a shovel.

3.2. Pit 8 Landfill

3.2.1. Contaminant Detection Monitoring Results

During the first half of 2004, ground water samples were collected from the Pit 8 monitoring wells and analyzed for VOCs, high explosives compounds RDX and HMX, nitrate, uranium and thorium isotopes, tritium, and Title 26 metals. Well K8-05 continued to be dry. There were no new detections of constituents of concern from Pit 8 area wells as indicated by the Detection Monitoring Program ground water data collected during the first semester of 2004. Samples of ground water were also collected during the second semester of 2004 and were analyzed for tritium and VOCs.

Tritium activities in second semester samples from wells K8-02B and K8-04 were 194 ± 54.0 (November 2004) and 136 ± 51.0 pCi/L (November 2004), respectively. The sample from well K8-02B may be slightly elevated above background activities. LLNL will continue evaluating tritium activities in ground water samples from this well to determine if slightly elevated tritium activities exist at this location.

VOCs were not detected in ground water samples collected during the first and second quarters of 2004 from downgradient monitor wells K8-02B and K8-04, although low concentrations of VOCs were detected in water samples from upgradient wells K8-01 and K8-03B (please see Section 2.8.1).

A ground water potentiometric surface map is presented in Figure 2.8-2. Ground water elevations are presented in Appendix C. 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 of 2004 compared to the previous year.

3.2.2. Sampling and Analysis Plan Modifications

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

3.2.3. Landfill Inspection Results

The Pit 8 landfill was inspected four times during 2004. Shallow burrow holes were observed in the cover. No other problems were observed.

3.2.4. Annual Subsidence Monitoring Results

The annual subsidence monitoring was conducted during the second semester of 2004 and did not indicate landfill subsidence. Subsidence monitoring will again be performed during the second semester of 2005.

3.2.5. Maintenance

During the semester, animal burrows were filled with local soil and compacted with a shovel or backhoe bucket.

3.3. Pit 9 Landfill

3.3.1. Contaminant Detection Monitoring Results

During 2004, ground water samples were collected from the four Pit 9 monitoring wells and analyzed for a suite of chemicals including VOCs; nitrate; perchlorate; high explosives compounds; and Title 26 metals. During 2004, there were no new detections of constituents of concern above background ranges in Pit 9 area ground water samples as indicated by the Detection Monitoring Program ground water sample analytical results.

A ground water potentiometric surface map is presented in Figure 2.8-8. Ground water elevations are presented in Appendix C. Depth to ground water was approximately 110 ft beneath the Pit 9 landfill. 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 ground water Detection Monitoring Program are presented in Table 2.8-3. There were no additional 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 2004. Shallow burrow holes were observed in the cover. No other problems were observed.

3.3.4. Annual Subsidence Monitoring Results

The annual subsidence monitoring was conducted during the second semester of 2004 and did not indicate landfill subsidence. Subsidence monitoring will again be performed during the second semester of 2005.

3.3.5. Maintenance

During 2004, animal burrows were filled with local soil and compacted with a shovel or backhoe bucket.

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

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 2003 and 2004:

- Outdoor Ambient Air Near Building 834D
- Indoor Ambient Air in Building 834D
- Outdoor Ambient Air Near Building 815
- Indoor Ambient Air in Building 854A
- Indoor Ambient Air in Building 854F
- Outdoor Ambient Air in Building 854F
- Indoor Ambient Air in Building 830
- Outdoor Ambient Air Near Building 830
- Indoor Ambient Air Near Building 832F
- Indoor Ambient Air in Building 833
- Ambient Air Near Spring 3
- Ambient Air Near Spring 5
- Ambient Air Near Spring 7

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 (EQM, 2003). Inhalation risk and hazard resulting from transport of TCE and PCE vapors from ground water to the ground surface and subsequently to outdoor ambient air was estimated using the Jury infinite source model (Jury et al., 1983).

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. For the Jury infinite source model, a 100 square feet area with 6 feet height is used as the outdoor ambient air-mixing zone. A conservative air exchange rate of 1 volume per hour was used for the outdoor mixing zone. Using the average wind velocity at Site 300 would result in much higher air exchange rates.

All individual chemical risk, hazard index, and cumulative risk values estimated for both indoor and outdoor ambient air are reported in Table 4.1-1. 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.

In 2003, the risk evaluation for Building 832F for indoor ambient air and for outdoor ambient air in the vicinity of Buildings 834D, 815, 854F, and 830 showed no human health risk for these exposure pathways. “No risk” is defined as an individual and cumulative excess cancer risk below 10^{-6} and a hazard index and quotient below 1. The 2004 evaluation for the same buildings and pathways also resulted in no 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 these buildings is considered complete as the estimated risk has remained below 10^{-6} and the hazard index remained below 1 for two consecutive years.

As shown in Table 4.1-1, the estimated risk in 2004 remained above 10^{-6} and/or hazard quotient above 1 for the indoor ambient air exposure pathway evaluated at Buildings 834D, 854A, 854F, 830, 832F, and 833. 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. The demolition of Buildings 854F and 832F is planned for fiscal year 2005. Once demolition of these buildings is complete, the monitoring and risk evaluation associated with indoor ambient air will be discontinued, as the exposure pathway will no longer exist.

Institutional controls, such as restricting access to or activities in areas of elevated risk, remained in place during 2004 to prevent unacceptable exposure to contaminants during remediation.

The CMP also requires annual sampling of outdoor air above contaminated surface water (when surface water is present) to determine VOC concentrations. No surface water or green hydrophilic vegetation was present at Spring 5 and 7 during 2003. Ambient air was monitored for VOCs at Spring 3 during 2003 and the results indicated that there was potential risk to on-site workers. Spring 7, Spring 5, and Spring 3 were monitored during first semester 2004 for the presence of surface water or green hydrophilic vegetation indicating the presence of near surface water. No surface water or green hydrophilic vegetation was present at the springs. The springs will be monitored for the presence of surface water or green hydrophilic vegetation, and if either is observed, ambient air sampling will be conducted during 2005.

4.2. Ecological Risk and Hazard Management

Surveys for important burrowing species were conducted during the spring and fall of 2004 in the survey areas specified in the CMP. Results of the spring survey were reported in the First Semester 2004 CMR (Dibley et al., 2004b). Results of the fall 2004 surveys are reported in Section 4.2.1 below.

The CMP–required quarterly burrow air sampling for the presence of VOCs in the Pit 6 and Building 834 survey areas was completed in 2004 and reported in the First Semester 2004 CMR. 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. In addition, surveys for sensitive species at Pit 6 and Building 834 will be discontinued.

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.

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 burrowing owls at Building 850 to be potentially at risk from the presence of PCBs in surface soil. The presence of burrowing owls at Building 850 will be the focus of work in 2005.

4.2.1. Wildlife Surveys Fall 2004

Wildlife surveys were conducted in September and October 2004 to satisfy the requirements of the CMP. These requirements included semiannual surveys for important burrowing species in areas associated with hazard indices greater than 1. Three areas were identified as requiring semiannual monitoring: Building 834, Building 850, and Pit 6. Although surveys of Pit 6 were completed in the spring of 2004, Pit 6 was not surveyed in the fall of 2004 due to manpower limitations and the low likelihood of observing important species. Important species include special status species such as State of California or federally listed threatened or endangered species or State of California species of special concern.

4.2.1.1. Review of Historic Observations and Habitat Requirements

Historic observations of special status species at each survey location were reviewed to determine which species should be targeted during future field surveys. Based on this review the fossorial special status species most likely to be observed in the area are the San Joaquin coachwhip (*Masticophis flagellum ruddocki*), coast horned lizards *(Phrynosoma coronatum frontale)*, silvery legless lizard (*Anniella pulchra pulchra*), burrowing owls (*Athene cunicularia*), San Joaquin pocket mice *(Perognathus inornatus),* and American badgers *(Taxidea taxus)*. The historic occurrences for the San Joaquin kit fox (*Vulpes macrotis mutica*) were also reviewed. The results of this review were reported in detail in the First Semester 2003 CMR (Carlsen et al., 2003).

4.2.1.2. Field Surveys

Field surveys consisted of walking the perimeter of each area and transects through the areas delineated around Building 834 and Building 850 in the CMP. The survey areas are slightly larger then the actual areas of concern because easily identifiable features were used to delineate the survey area in the field. The boundaries of the actual field survey areas are shown in Figures 4.2-1 through 3. Each site was surveyed once during the spring survey period.

The results of the surveys are shown in Table 4.2-1. Although a pair of nesting burrowing owls and American badger dens were observed in the bowl to the west of Building 850 during the spring 2004 survey, no fossorial species of special concern were observed in either survey area in the fall of 2004. An extensive California ground squirrel colony is present behind Building 850. Although no special status species were observed near Building 850 during the wildlife surveys, this colony provides potential habitat for fossorial species including burrowing owls and California tiger salamanders. No burrowing owls were observed behind Building 850 in the fall 2004 surveys. However, Figure 4.2-4 shows that burrowing owls have historically used this area for nesting. California tiger salamanders are known to use upland habitat up to 2 km away from breeding pools (USFWS, 2004). The Building 850 survey area is located within 1 km of a known California tiger salamander breeding pool (Figure 4.2-5). The proximity to breeding pools and the presence of the ground squirrel colony makes this area suitable upland habitat for California tiger salamanders.

Coast horned lizards were not seen within the survey areas, but were observed within 0.5 km of the Building 834 and Building 850 survey areas in 2002, 2003, and 2004. These species can be very cryptic and special trapping efforts may be required to accurately determine if they are present or absent.

4.2.1.3. Future Work

Wildlife surveys will be repeated in the spring of 2005 using methods that are similar to the fall 2004 surveys. The distribution of the San Joaquin pocket mouse, San Joaquin coachwhip, coast horned lizards, and silvery legless lizard, and all fossorial species of concern at Site 300 is currently unknown. Additional studies may be conducted to determine if these special status species occur in any of the survey areas by trapping small mammals using Sherman live traps and reptile trapping using pit fall traps. Walking and driving surveys will continue to monitor for the presence of burrowing owls and American badgers. It is unlikely that California red-legged frogs or California tiger salamanders occur in any of the survey areas, with the exception of the potential for California tiger salamanders to occur in the Building 850 survey area. The distribution of these species at Site 300 will continue to be monitored as part of the Site's routine endangered species monitoring program. Surveys for California tiger salamanders will be conducted in the winter of 2005/2006 at the burrow systems located in the Building 850 survey area. These surveys will involve inspecting burrow opening on at least two rainy nights during December, January or March.

4.2.2. Ecological Significance of PCBs, Dioxins, and Furans in Surface Soil at Buildings 854 and 850.

The evaluation of ecological significance of the presence of PCBs, dioxins, and furans in the surface soil at the Building 854 and 850 areas began in 2004.

4.2.3.1. Ecological Significance of PCBs at Building 854

As described in Annual 2003 CMR, the PCBs Aroclor-1242, Arochlor-1248, and Aroclor-1254 have been detected in a lagoon adjacent to Building 855 at concentrations up to 34, 52, and 0.16 mg/kg, respectively. Additional surface soil sampling conducted in July 2003 shows the PCBs to be primarily confined to the Building 855 lagoon. A sample from the lagoon was also analyzed for dioxin and furan compounds, and contained a maximum calculated tetrachloro-di-benzodioxin (TCDD) equivalent concentration of 2.6×10^{-5} mg/kg. In general, the very limited extent of the PCB, dioxin and furan contamination would preclude significant ecological impact due to the limited potential for exposure. However, the lagoon does act as a water catchment during the winter months during which it may contain standing water. Both California tiger salamanders and California red-legged frogs are known to occur in springs and pools in the general vicinity of Building 854. The lagoon could provide limited habitat for either species during the winter months. However, the contaminated soil from this area is to be removed within the next year. Once this occurs, there will be no potential for ecological risk. We will monitor the area for the presence of amphibians until the time the soil is removed.

4.2.3.2. Burrowing Owl Exposure to Cadmium and PCBs in Surface Soil at Building 850

Wildlife surveys have revealed the presence of burrowing owl in the area adjacent to the Building 850 firing table (Section 4.2.1). Burrowing owls are Federal and State species of concern (California Department of Fish and Game, 2003), and therefore fit the description of important burrowing species as presented in the CMP.

As described in the Interim Remedial Design report for the Building 850 Subarea (Taffet et al., 2004), a total of 60 surface soil samples from the slopes above the Building 850 firing table were collected in 1994 and 2003 and analyzed for PCB compounds. PCBs were detected in surface soil samples at concentrations ranging from 0.09 to 180 mg/kg and were primarily confined to a 150 to 225 ft radius around the firing table. In addition, dioxin and furan compounds have been detected in samples from this area, with a maximum calculated TCDD equivalent concentration of 2.27×10^{-3} mg/kg. Cadmium is also present in the surface soils at Building 850 (Ferry et al., 1999).

A preliminary exposure analysis for the burrowing owl has been completed to estimate hazard to cadmium and PCBs. The results of this analysis were presented in the First Semester 2004 CMR and 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 HQ exceeds 1. Additional refinement of the model to more accurately reflect area utilization is planned. In addition, the impacts of removing soil from just the higher concentration areas on the estimated HQ will be analyzed. Field surveys for the presence of important burrowing species such as burrowing owls will continue in this area.

During the winter and spring months of 2005, the firing table area will be further evaluated for the presence of standing water generated by runoff that could be used as breeding habitat for aquatic invertebrates or amphibians.

5. Data Management Program

The management of data collected as part of the second semester 2004 compliance monitoring at Site 300 was subject to the standard Environmental Restoration Division (ERD) data management process and standard operating procedures. 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 2004, the relational database that is used to maintain the data for CMP was transitioned from Ingres database software to Oracle database software. The tools and applications used in the standard ERD data management process and standard operating procedures were rebuilt as web applications.

5.2. New Procedures

The Site 300 CMP sampling and analysis plan was developed based upon the negotiated sampling locations and frequencies. The tools used to track and execute the sampling plan were completely rewritten to increase proficiency in inputting the plan, creating labels and Chains of Custody and tracking sampling, and tracking results received.

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 Manual, Volume 1, Site Safety Plan, and Quality Assurance Management Plan. Section 6 discusses any modifications to existing LLNL quality assurance/quality control (QA/QC) procedures or any new QA/QC procedures that were implemented during this reporting period, as well as self-assessments, quality issues and corrective actions, and analytical and field quality control.

6.1. Modifications to Existing Procedures

Operational Safety Plans (OSPs) are being integrated into the applicable electronic Integration Work Sheets (eIWSs) on or before the expiration date of the OSP. During this reporting period, OSP 834.01, “Vapor Extraction and Water Treatment for the Building 834 Trichloroethylene (TCE) Remediation Action” was successfully integrated into IWS 11341, “Ground Water and Soil Vapor Treatment Facility Operations at Site 300”. IWS 11341 was authorized on October 19, 2004, resulting in Hazards Control issuing a cancellation memo for OSP 834.01. OSP O-252, “Environmental Protection Department Off-Pavement Driving and Hiking” was also cancelled and filed away as inactive on November 12, 2004. Off-pavement driving and hiking procedures are included in the Environmental, Safety and Health (ES&H) Manual, Volume II, Document 21.3, Section 4.0, “Off-Pavement Travel”.

6.2. New Procedures

The new eIWS system was utilized during this reporting period. At least twelve IWSs related to environmental restoration work activities conducted at Site 300 were successfully transitioned to the new eIWS system and authorized during this reporting period.

6.3. Self-assessments

Self-assessments are performed on a triennial basis by the ERD and the ES&H teams for the Safety and Environmental Protection (SEP) Directorate. These assessments are used to evaluate ongoing treatment facility activities to QA, Management and ES&H requirements and procedures. During this reporting period, there were a total of twenty-two assessments performed for the ERD.

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 nine QIFs were processed during this reporting period. Suggested improvements were addressed and corrective measures employed to improve related processes. All nine QIFs have been successfully closed-out.

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 checks in the form of method blanks, laboratory control samples, matrix spikes, and matrix spike or sample duplicate results with every analysis. These results are evaluated during the data review process and are used to determine data quality. Data flags are used to inform the end user of insufficiencies detected during the data review process. Data qualifier flags were assigned to the analytical results for the CARNRW wells in the Pit 6 landfill OU, resulting from October 25, 26 and November 10 sampling events. These data were assigned an "S" flag indicating the data are suspect based on historical and upgradient data points. Tritium activity was not detected in subsequent monthly samples.

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 significant problems encountered during this reporting period. Starting in 2005, intercollocated samples will be collected and submitted for analyses from all water supply wells as an additional measure of quality control.

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Figures

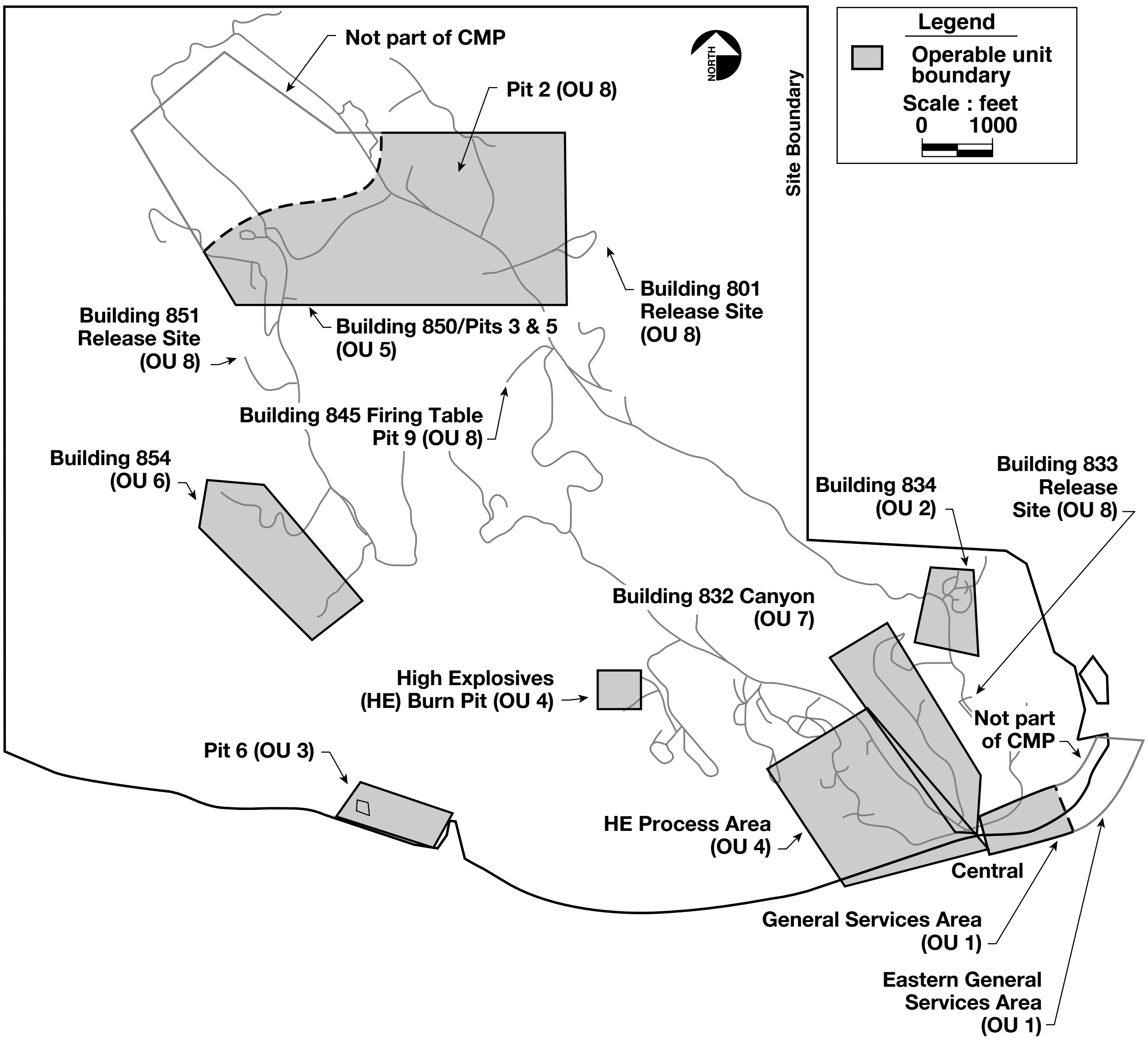

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Figure 2-1. Site 300 map showing OU locations.

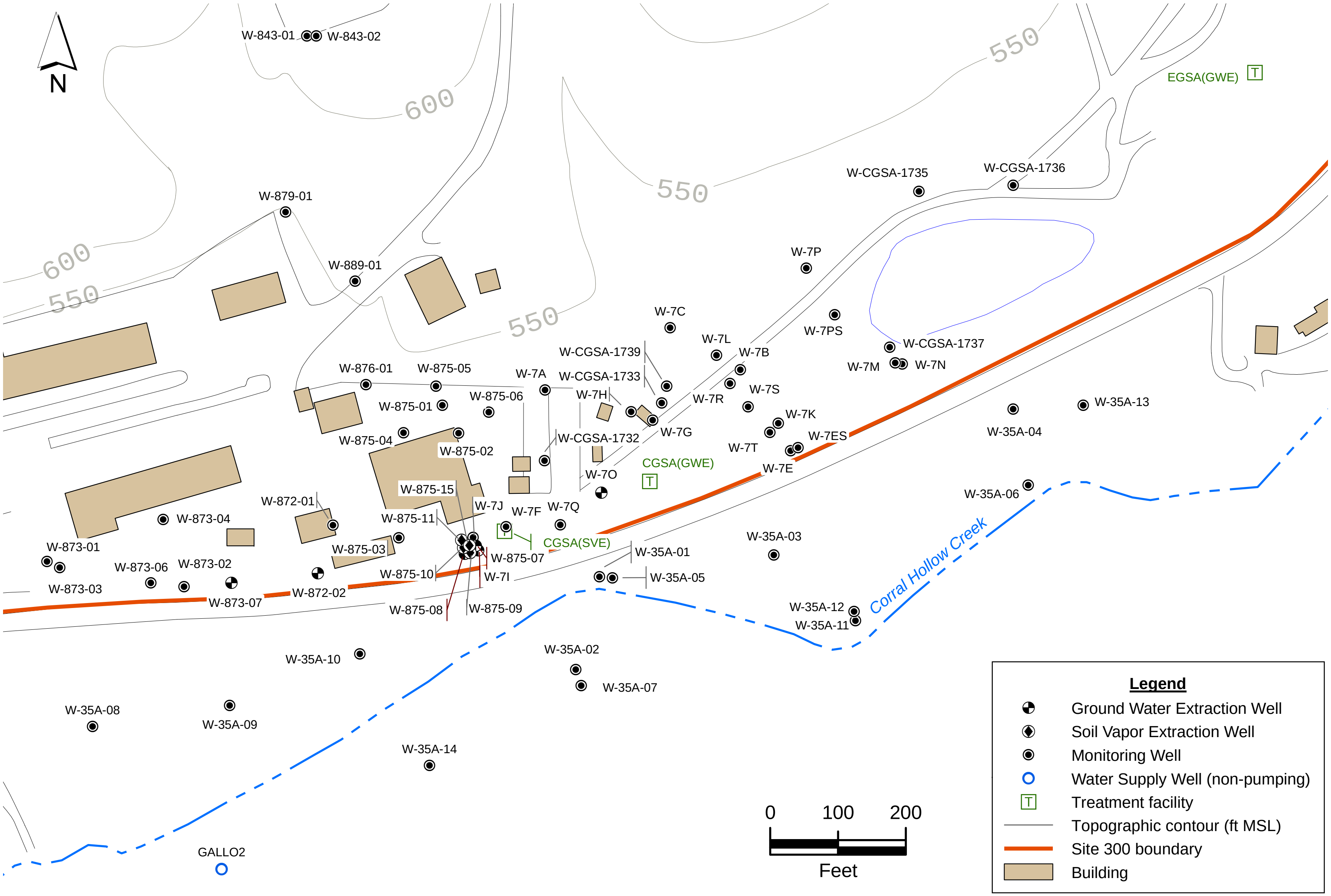


Figure 2.1-1. Central General Services Area OU site map showing monitoring, extraction and water-supply wells, and treatment facilities.

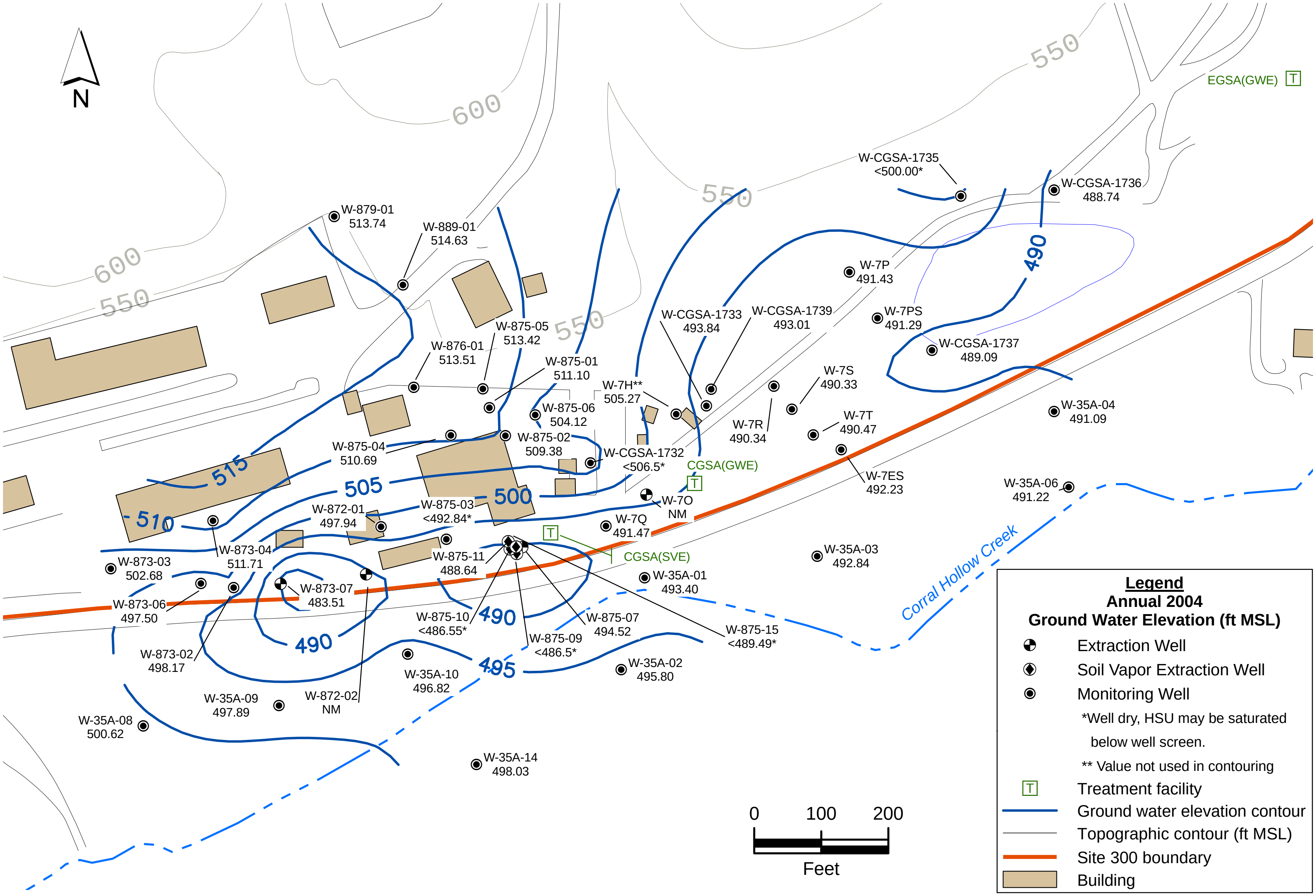


Figure 2.1-2. Central General Services Area OU ground water potentiometric surface map for the Qt-Tnsc$_1$ HSU.

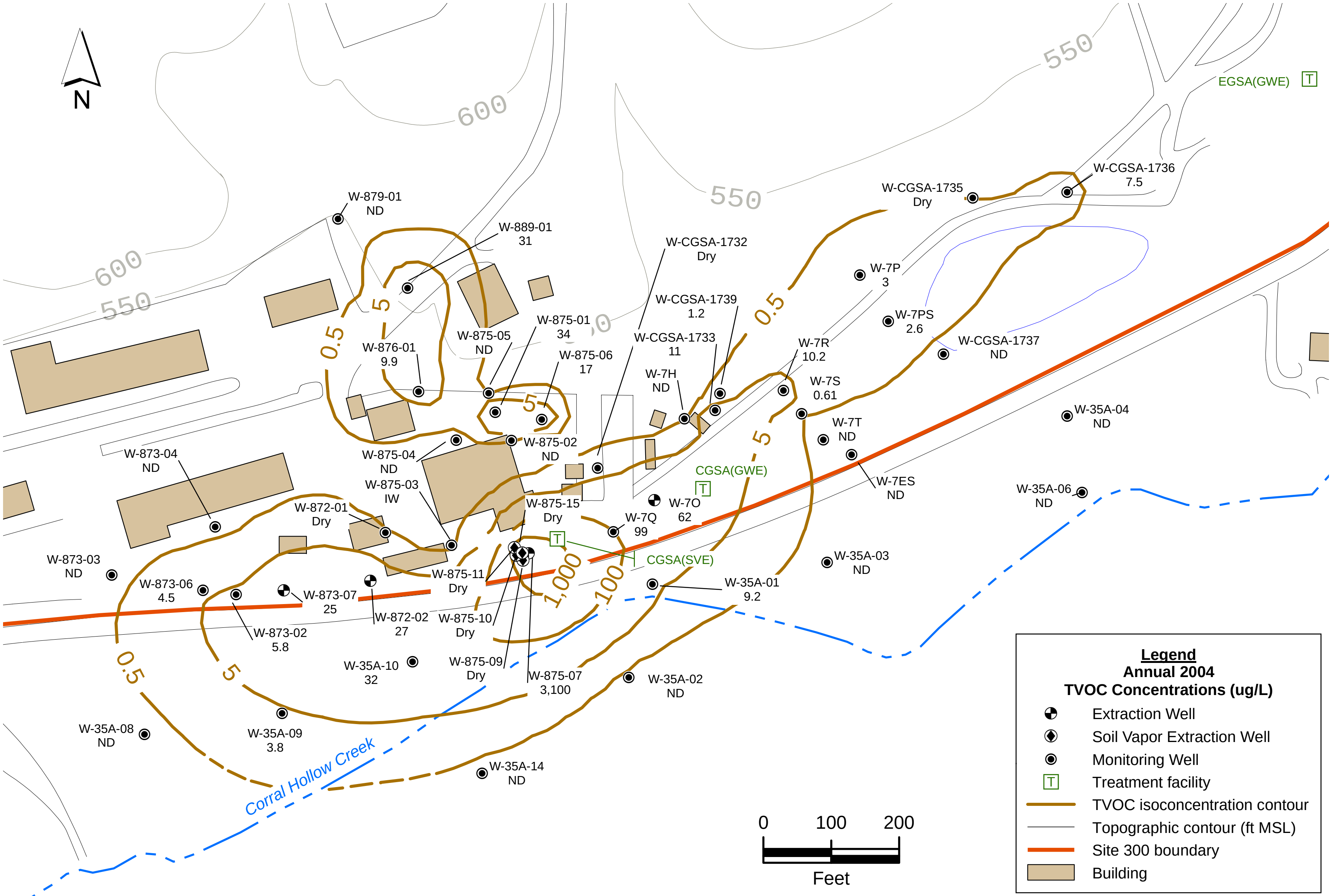


Figure 2.1-3. Central General Services Area OU TVOC isoconcentration contour map for the Qt-Tnsc$_1$ HSU.

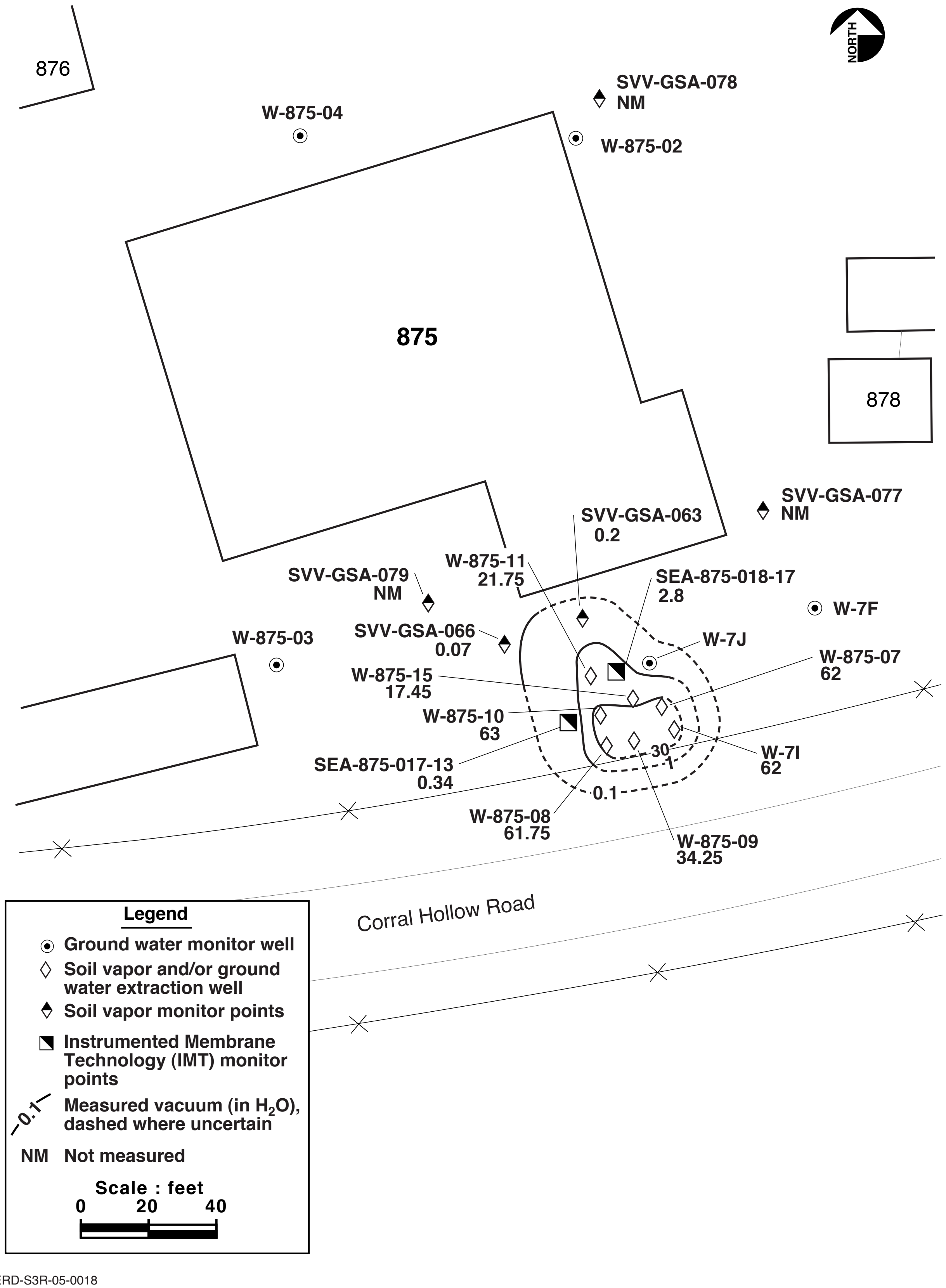


Figure 2.1-4. Observed vacuum (inches H_2O) near Building 875 of the central GSA during SVE system operation, December, 2004.

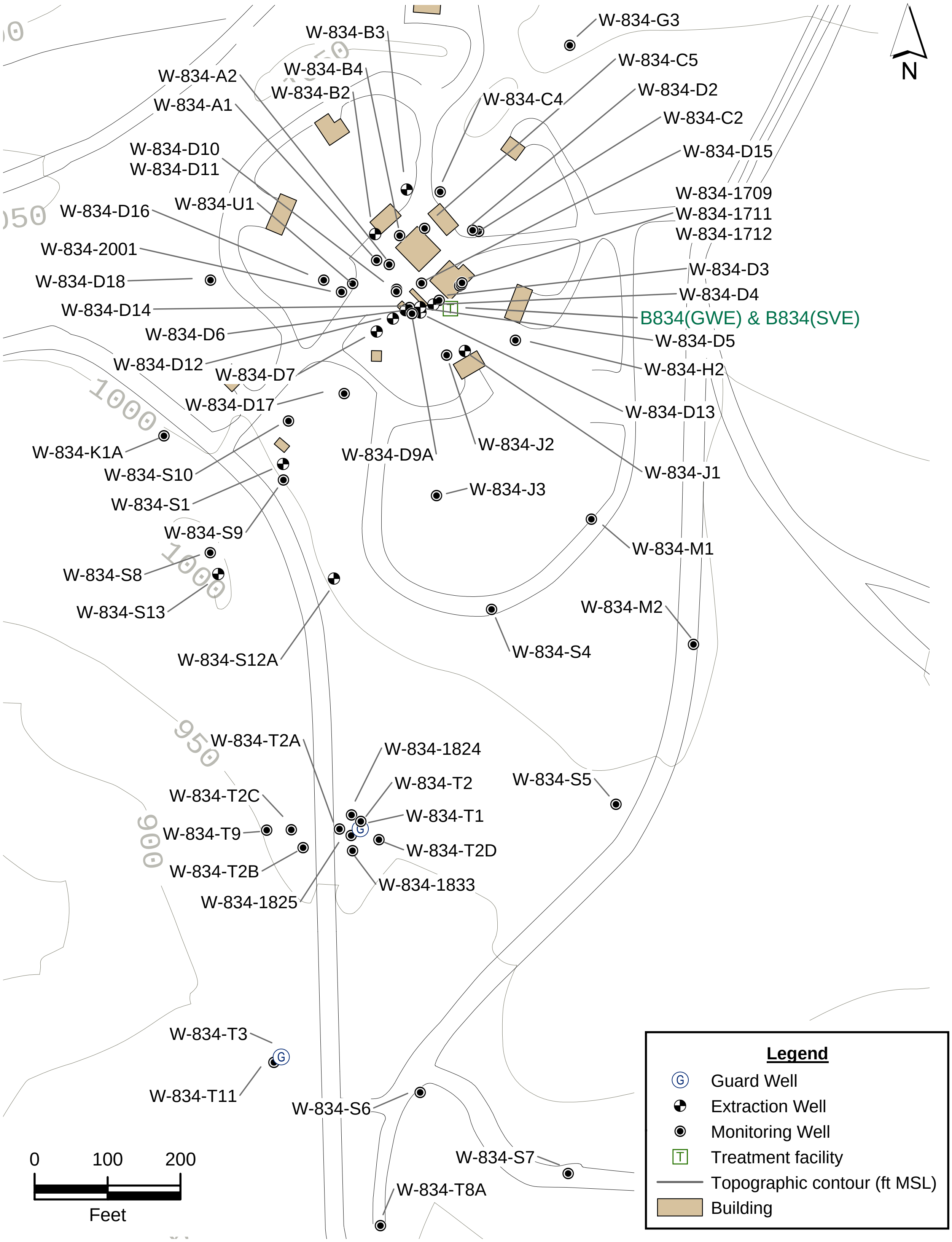


Figure 2.2-1. Building 834 OU site map showing monitoring, extraction, and guard wells.

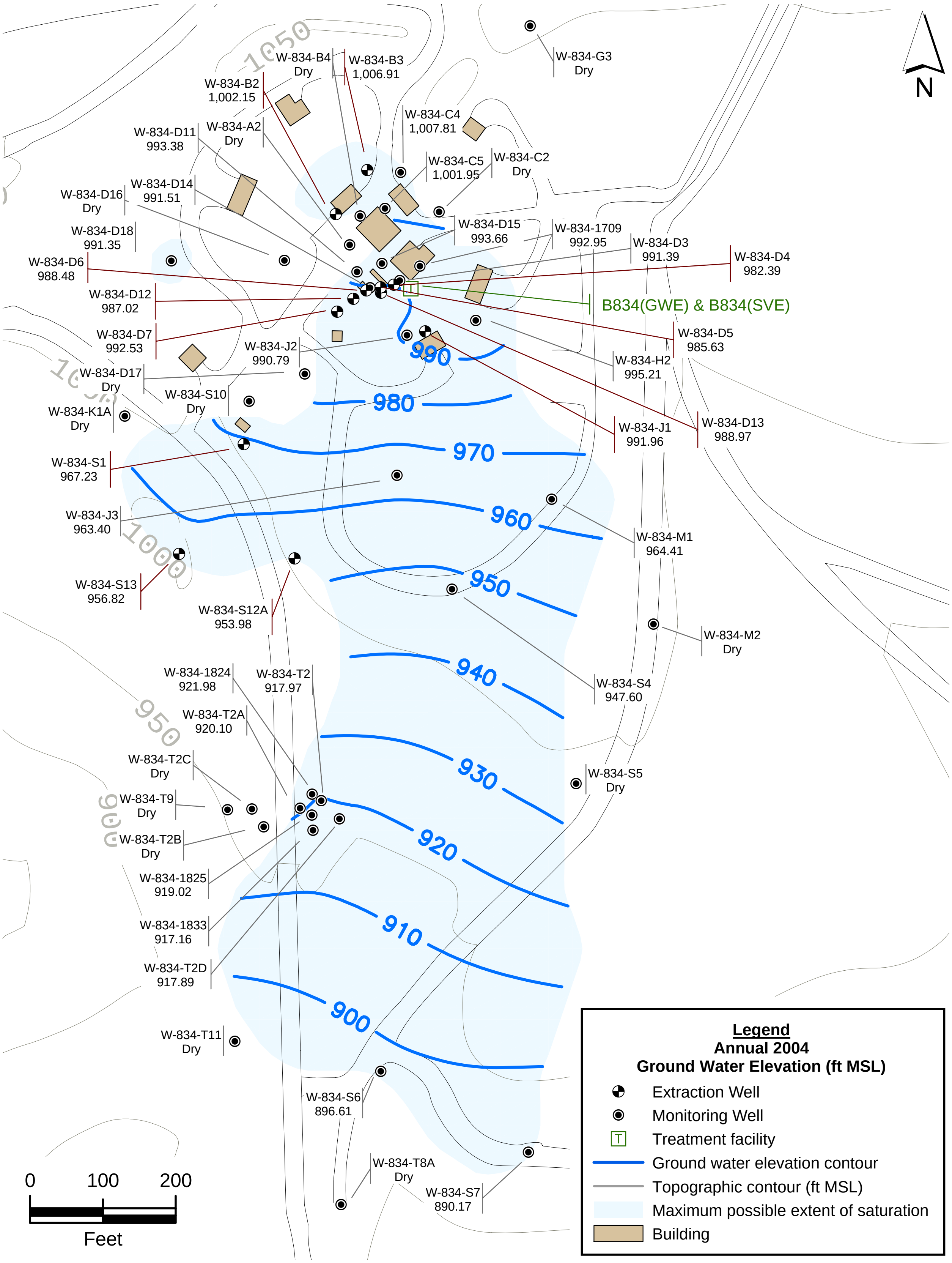


Figure 2.2-2. Building 834 OU ground water potentiometric surface map for the Tpsg perched water-bearing zone.

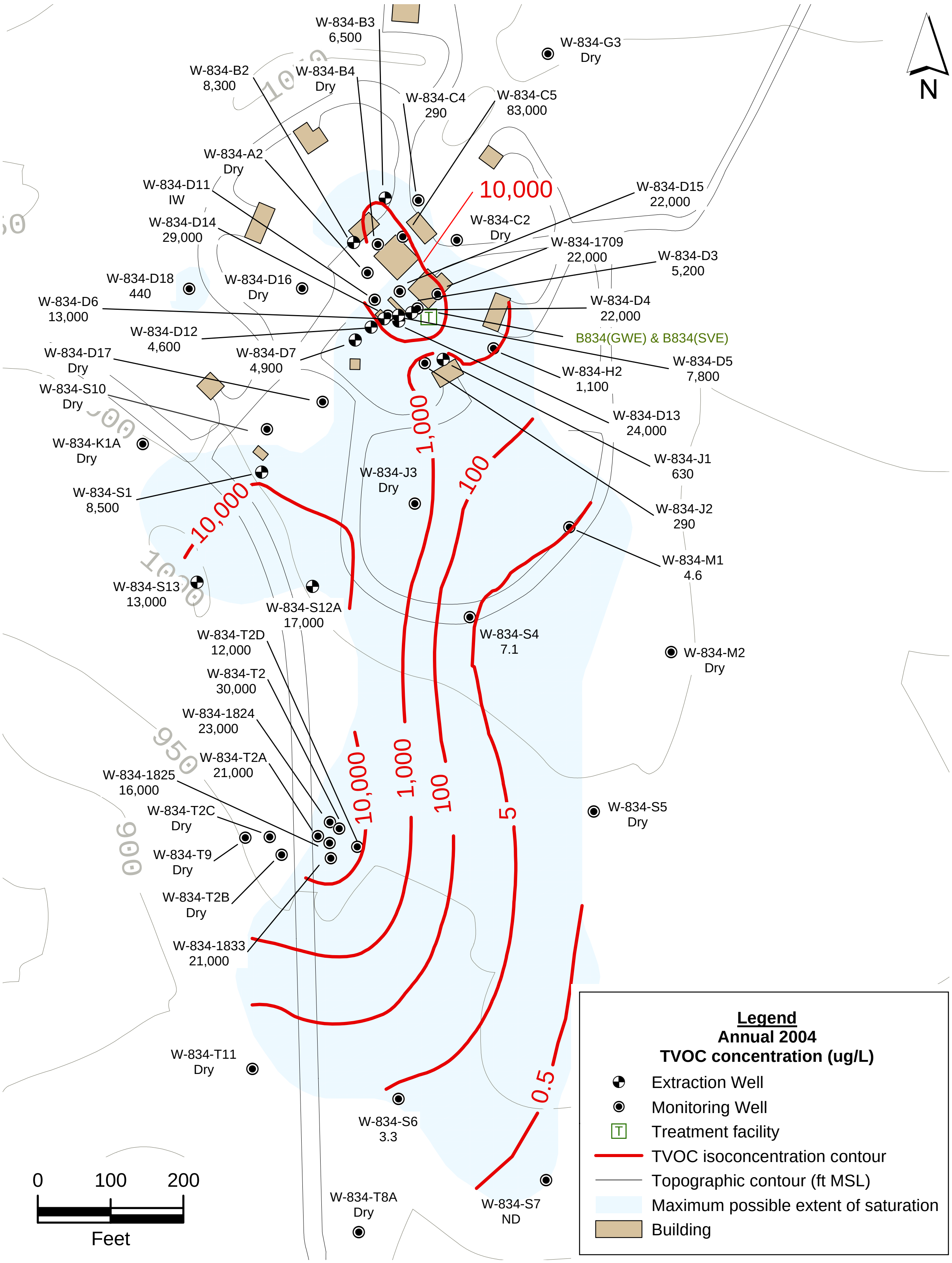


Figure 2.2-3. Building 834 OU TVOC isoconcentration contour map for the Tpsg perched water-bearing zone.

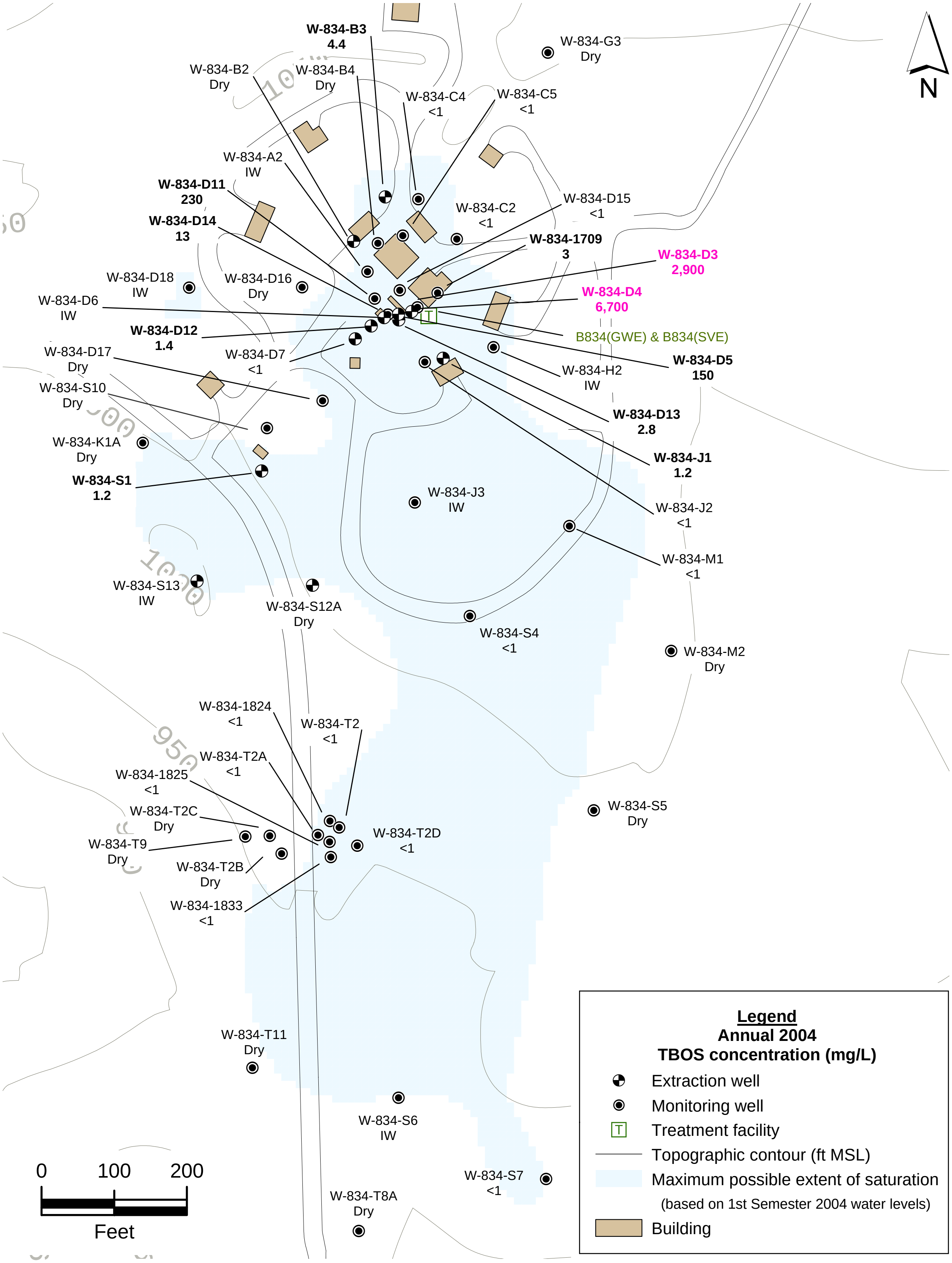


Figure 2.2-4. Building 834 OU map showing TBOS concentrations for the Tpsg perched water-bearing zone.

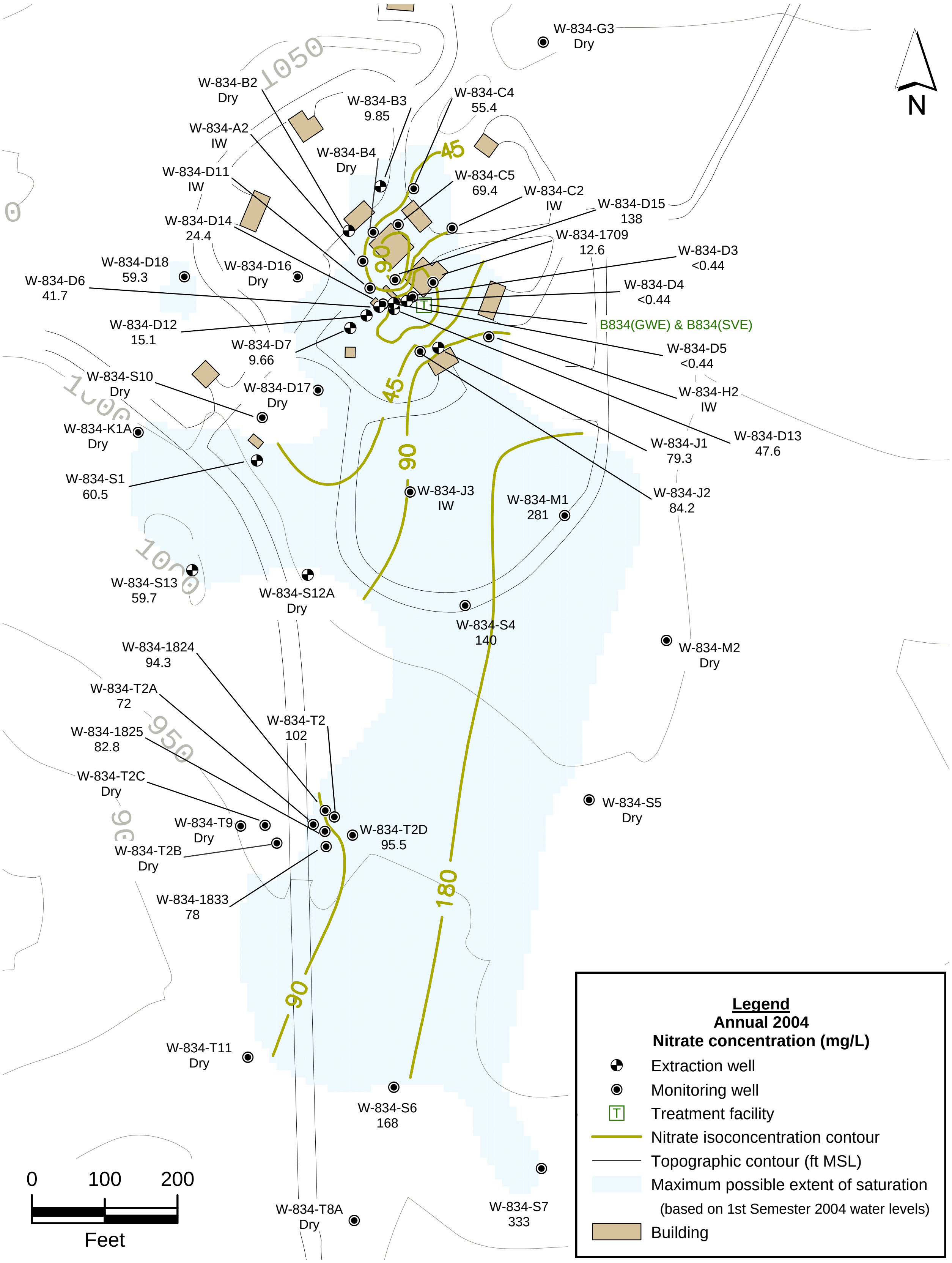


Figure 2.2-5. Building 834 OU nitrate isoconcentration contour map for the Tpsg perched water-bearing zone.

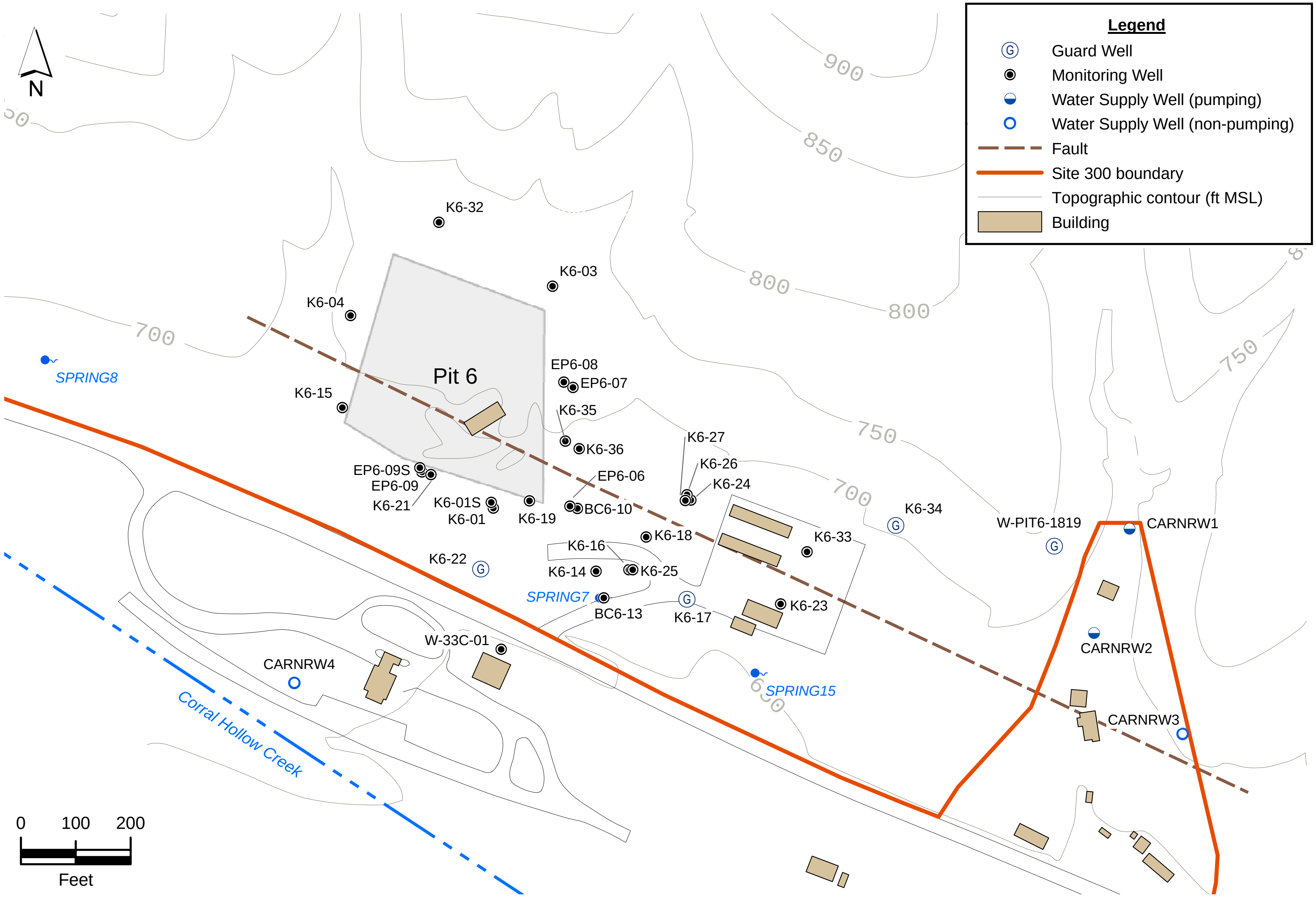


Figure 2.3-1. Pit 6 Landfill OU site map showing monitoring and water supply wells.

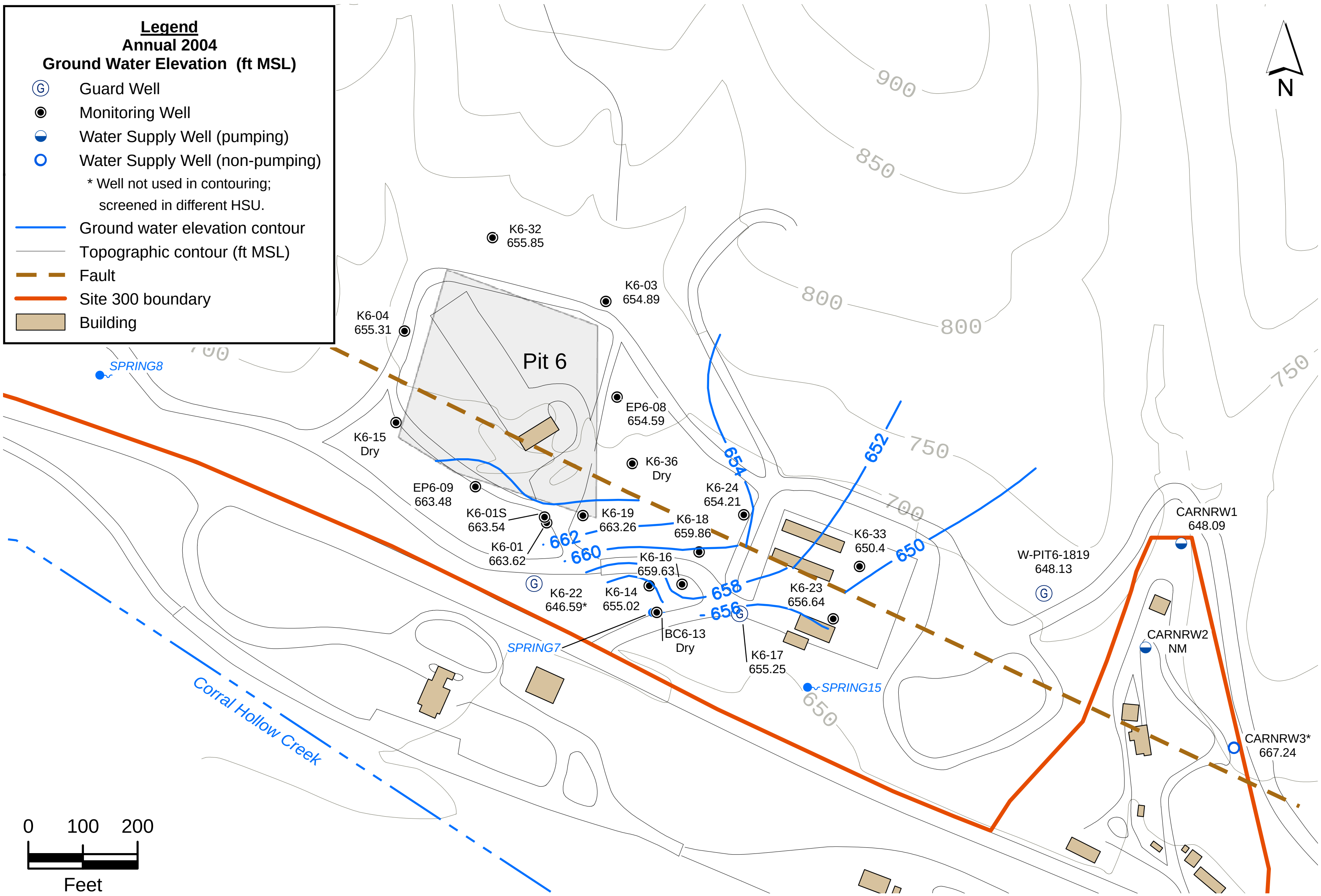


Figure 2.3-2. Pit 6 Landfill OU ground water potentiometric surface map for the first water-bearing zone.

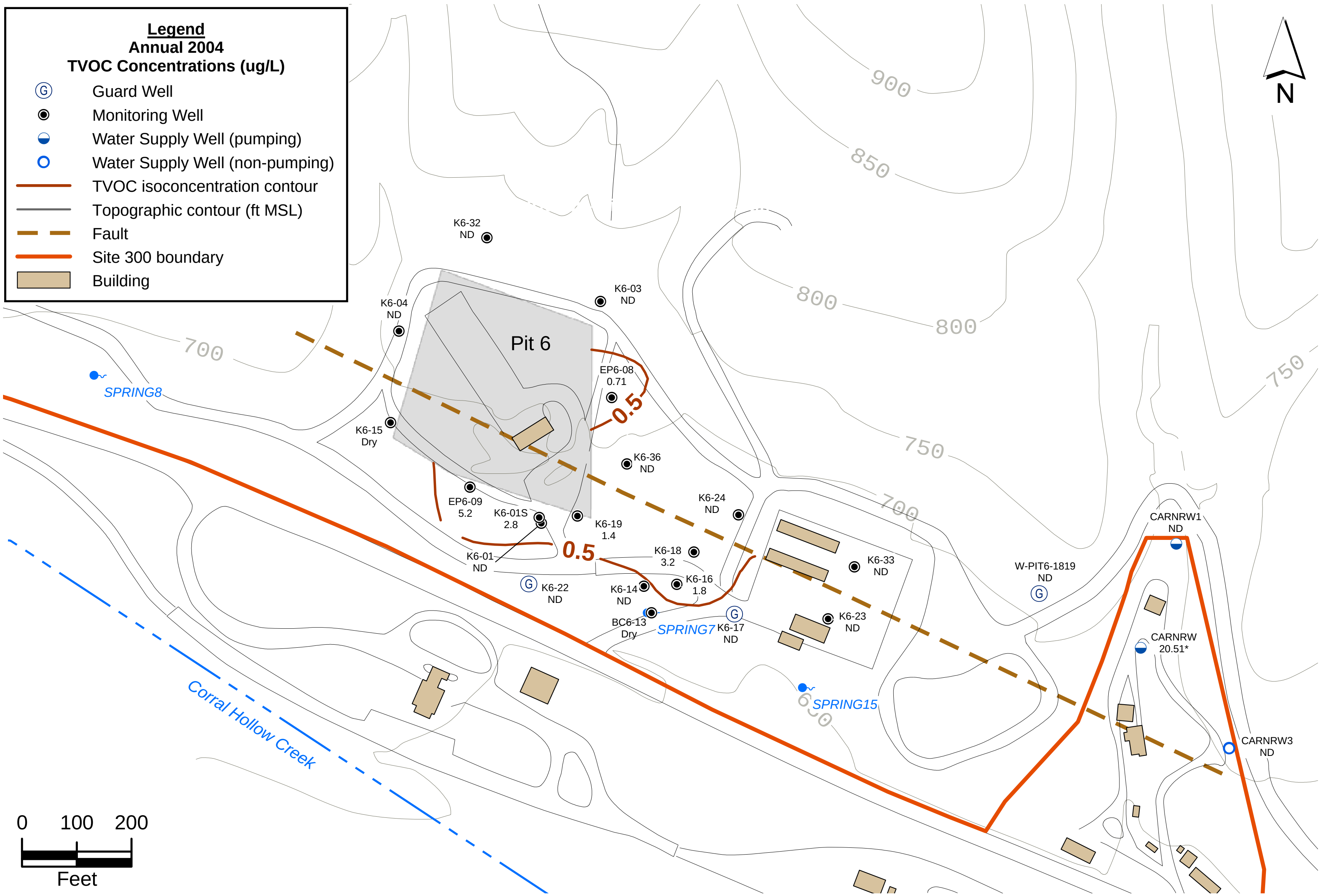


Figure 2.3-3. Pit 6 Landfill OU TVOC isoconcentration contour map for the first water-bearing zone.

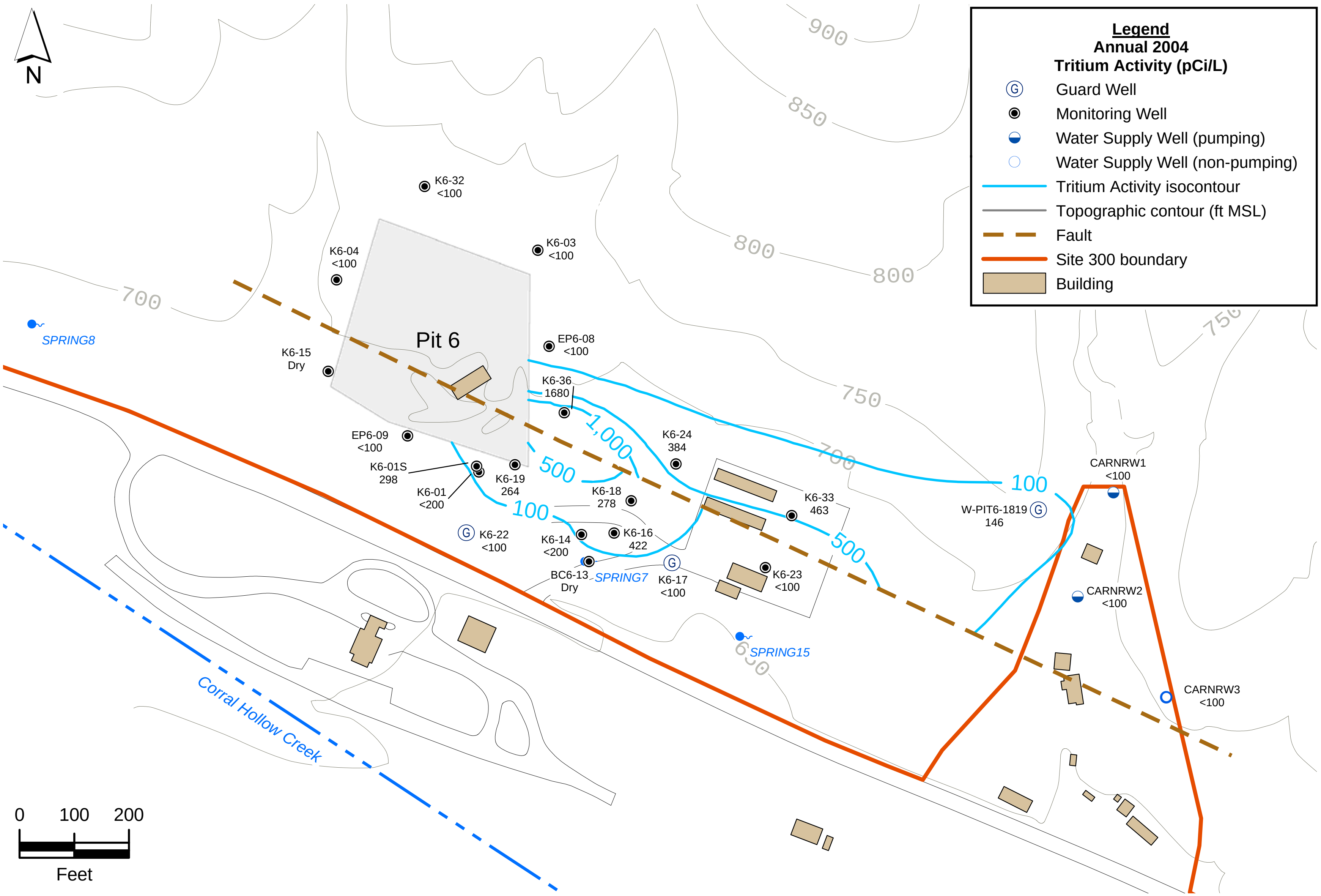


Figure 2.3-4. Pit 6 Landfill OU tritium isoconcentration contour map for the first water-bearing zone.

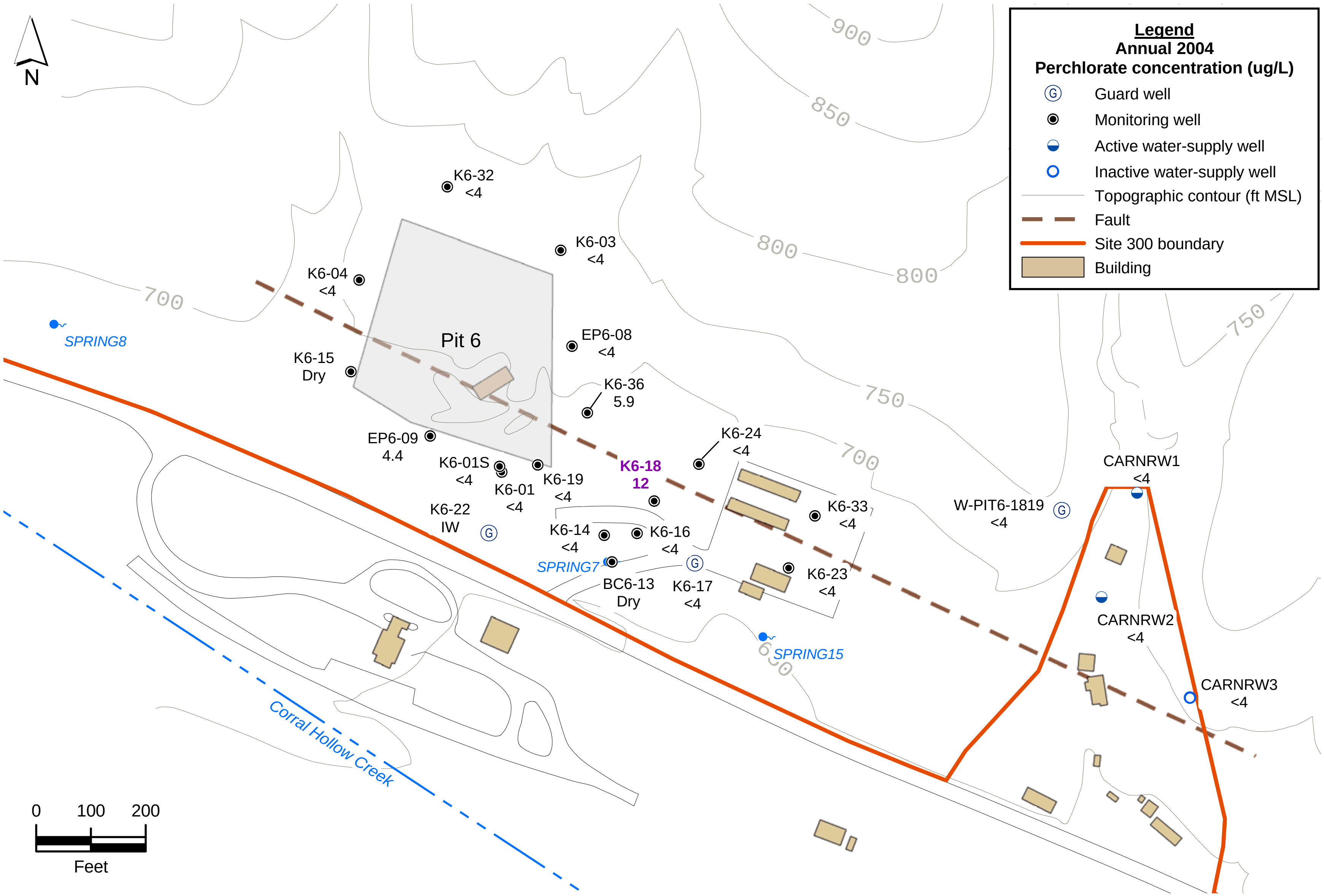


Figure 2.3-5. Pit 6 Landfill OU perchlorate isoconcentration contour map for the first water-bearing zone.

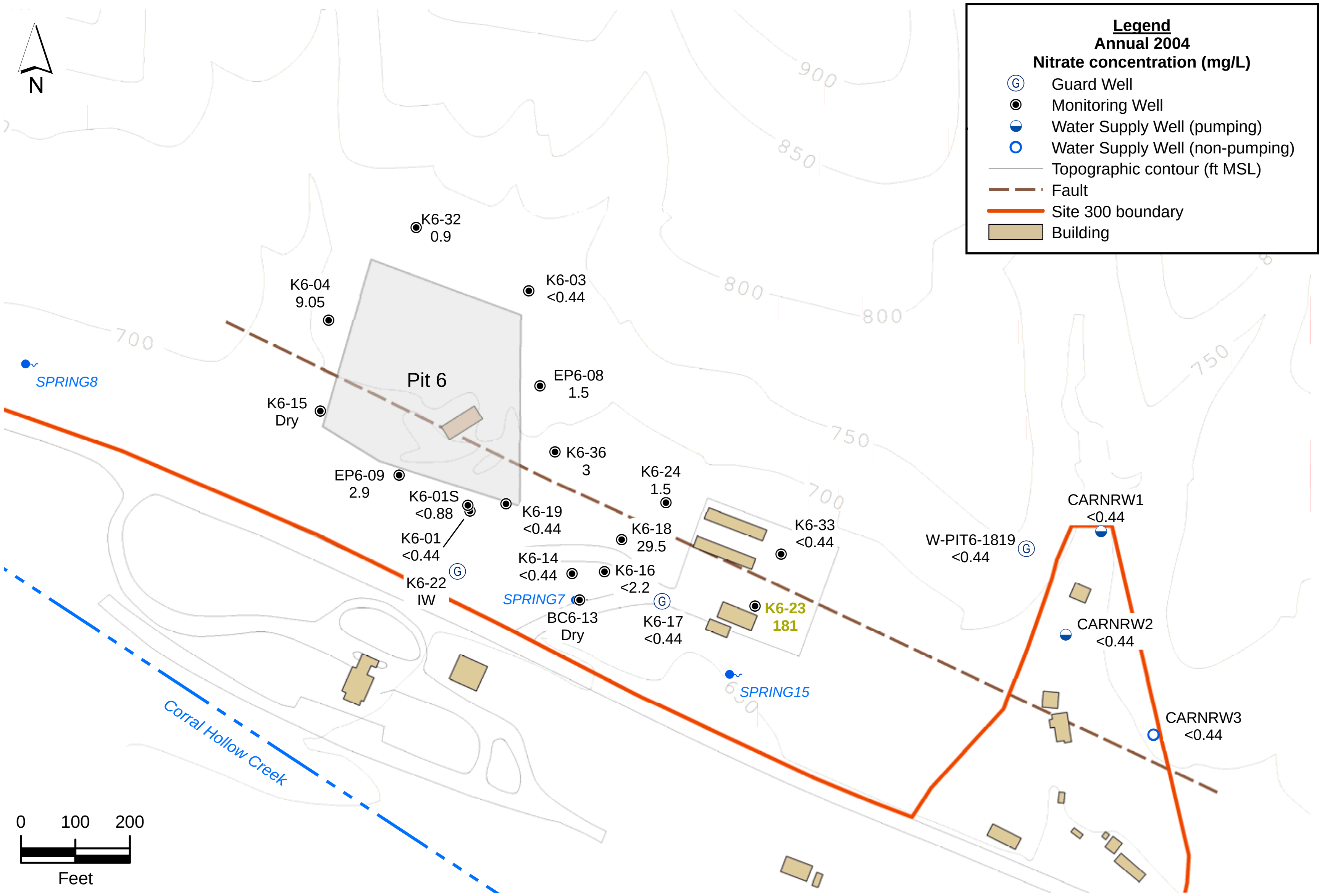


Figure 2.3-6. Pit 6 Landfill OU map showing nitrate concentrations for the first water-bearing zone.

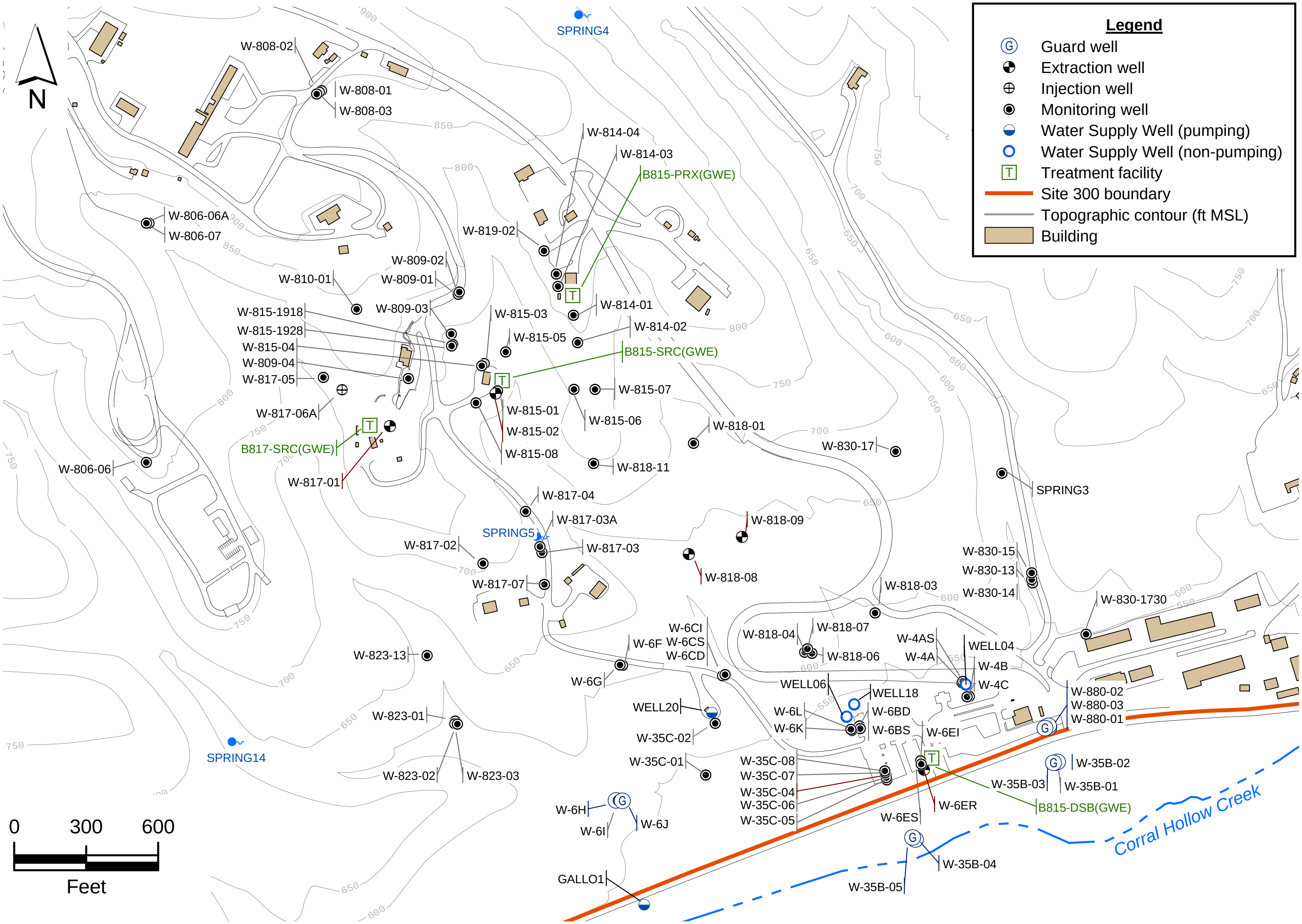


Figure 2.4-1. High Explosive Process Area OU site map showing monitoring, extraction and water-supply wells, and treatment facilities.

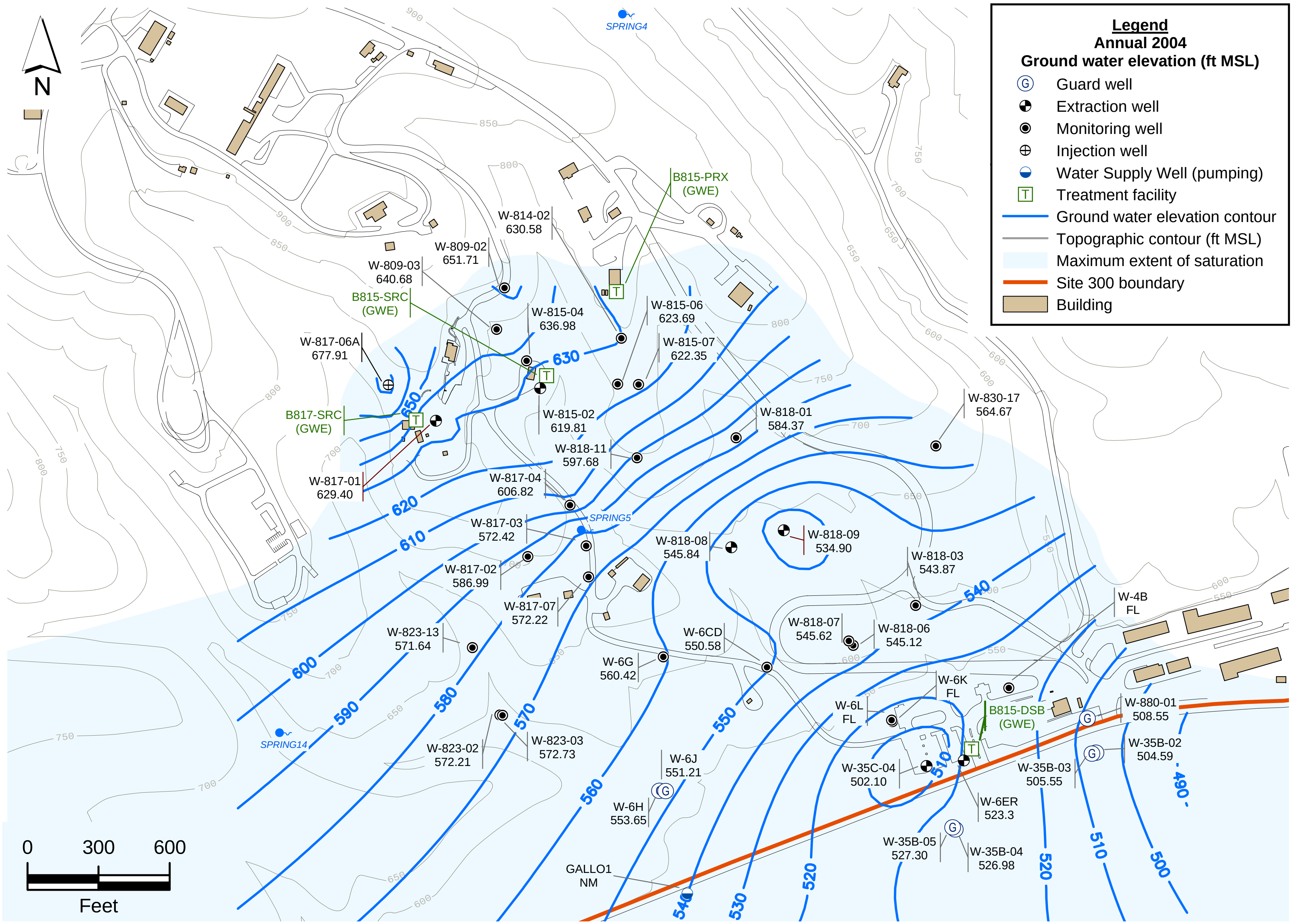


Figure 2.4-2. High Explosive Process Area OU ground water potentiometric surface map for the $Tnbs_2$ HSU.

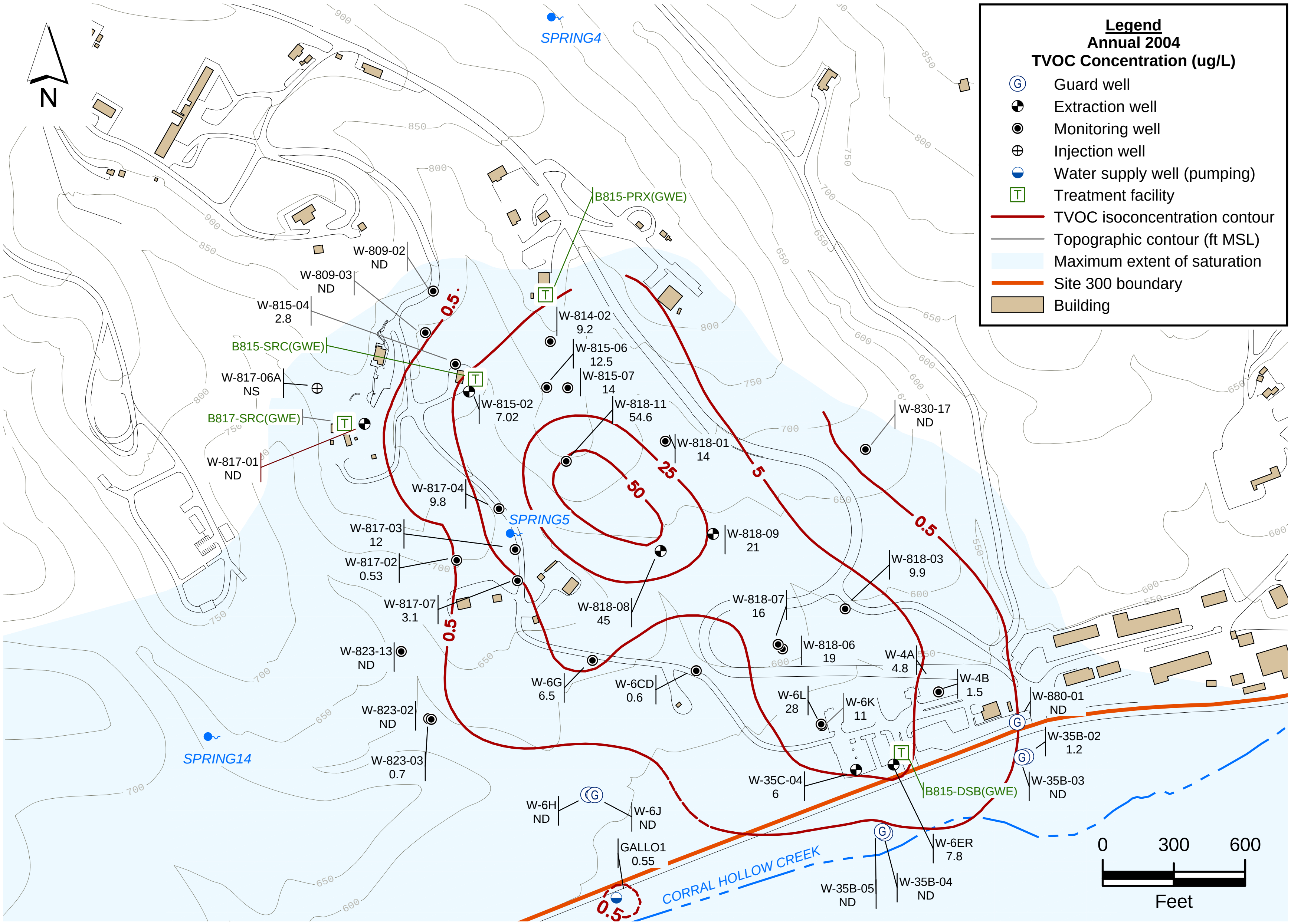


Figure 2.4-3. High Explosive Process Area TVOC isoconcentration contour map for the Tnbs$_2$ HSU.

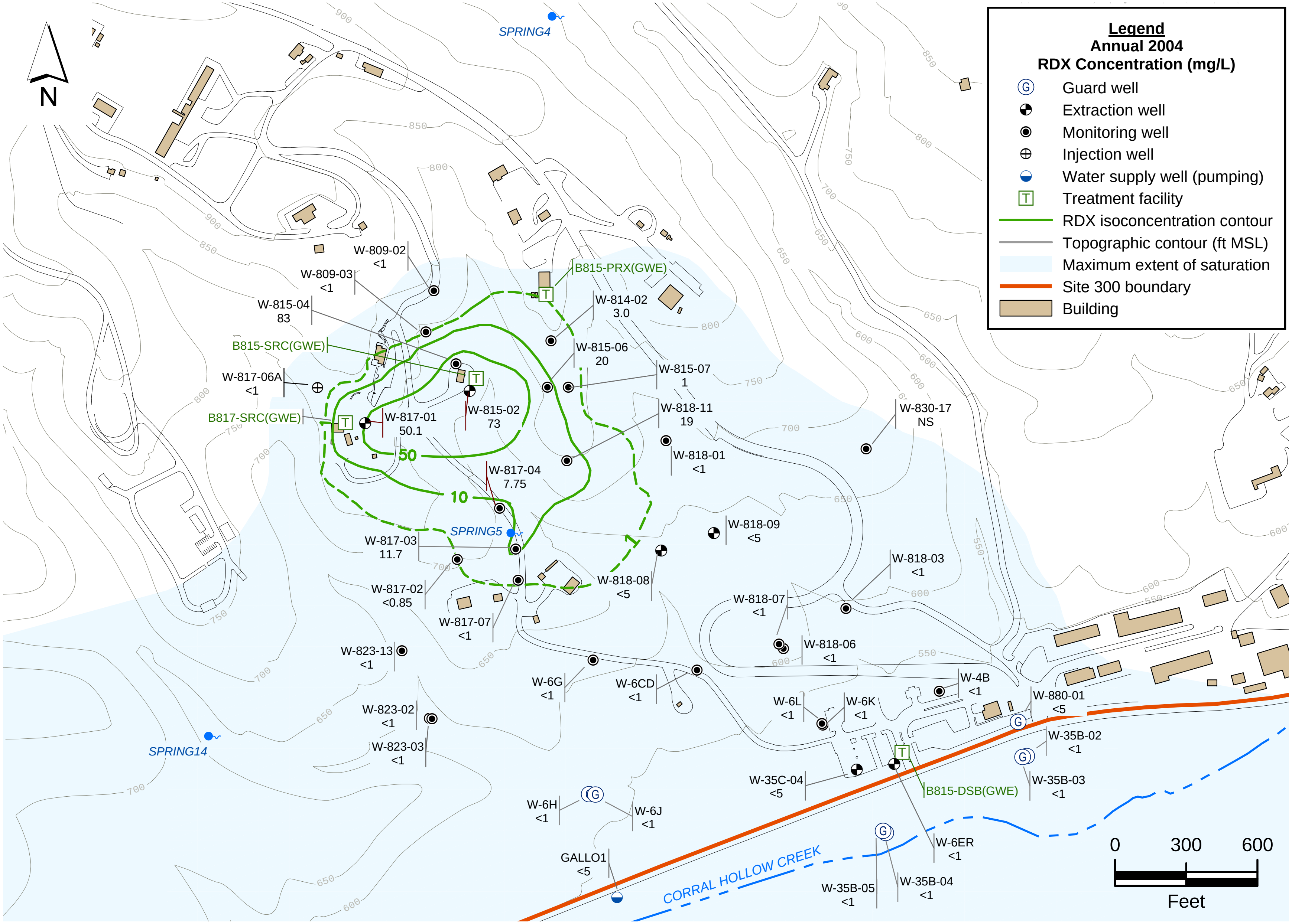


Figure 2.4-4. High Explosive Process Area RDX isoconcentration contour map for the Tnbs$_2$ HSU.

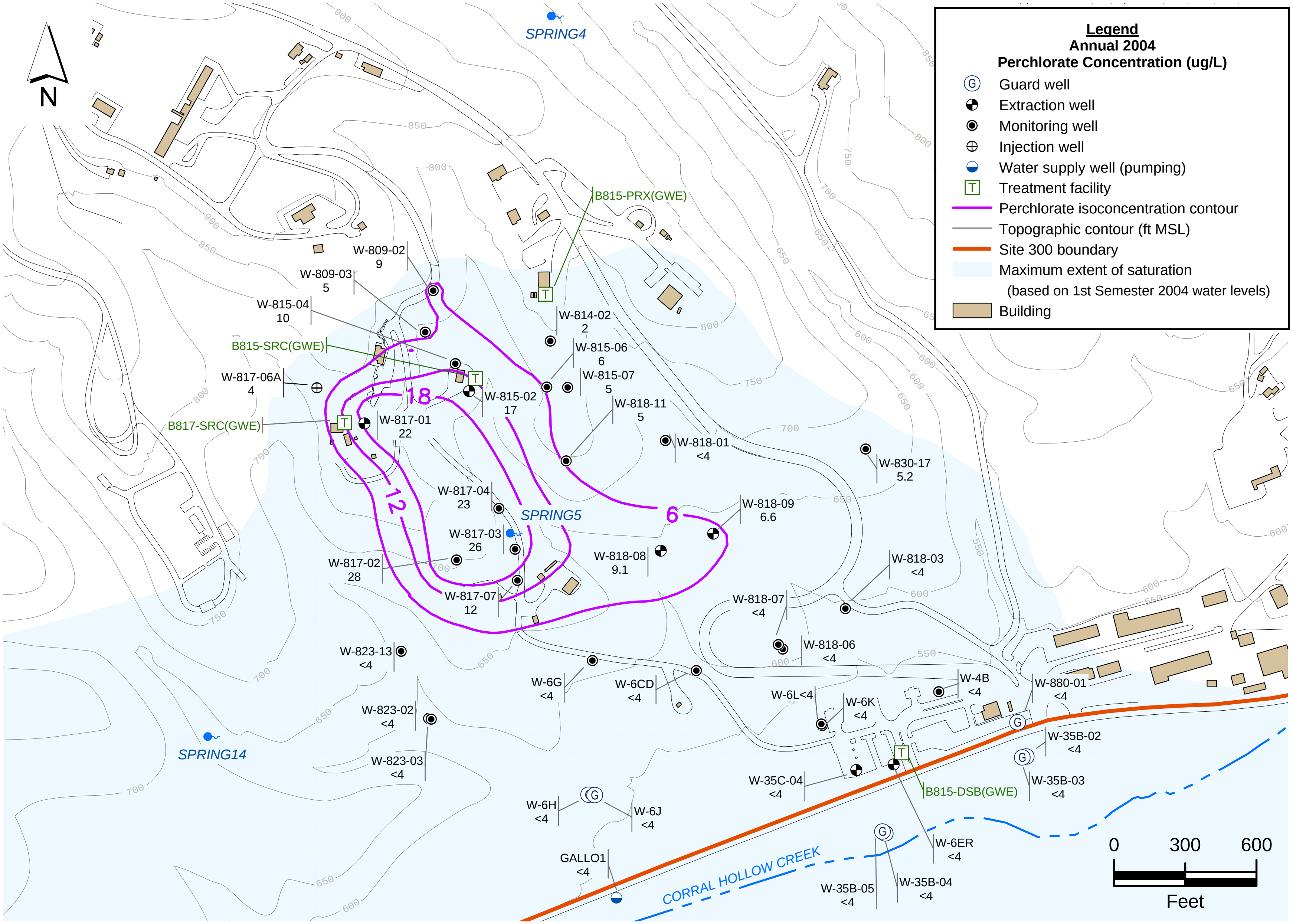


Figure 2.4-5. High Explosive Process Area perchlorate isoconcentration contour map for the Tnbs$_2$ HSU.

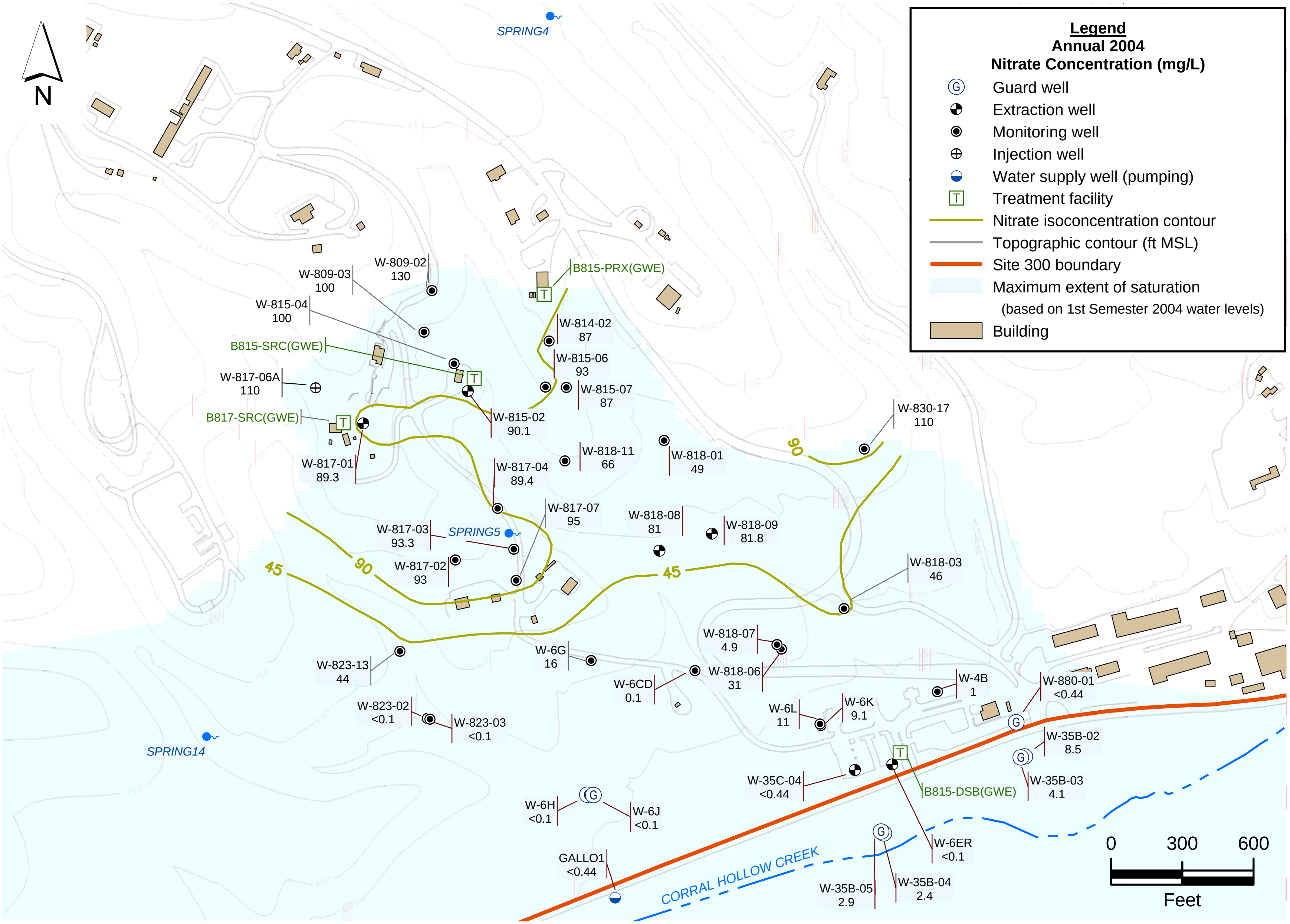


Figure 2.4-6. High Explosive Process Area nitrate isoconcentration contour map for the Tnbs$_2$ HSU.

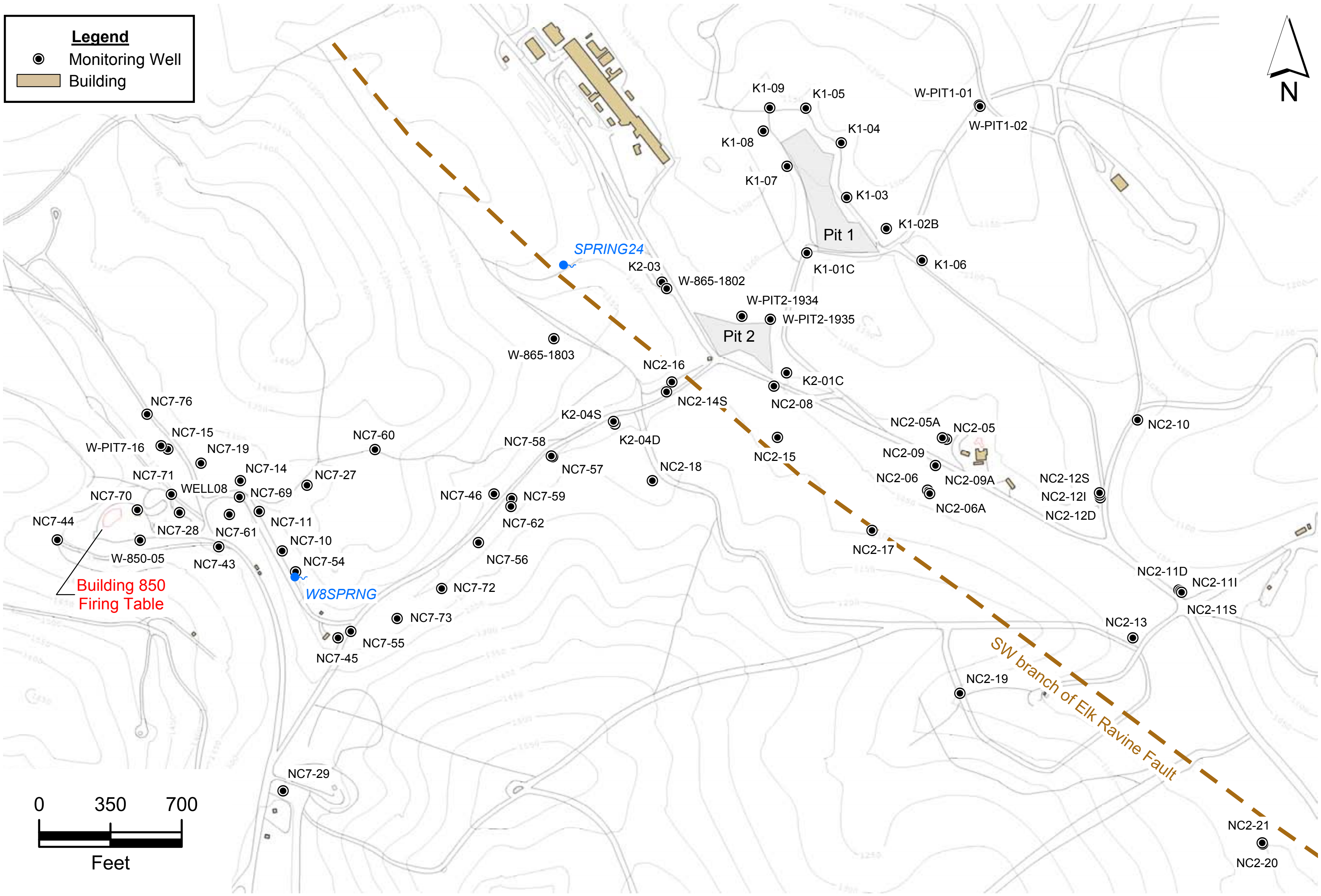


Figure 2.5-1. Building 850 OU site map showing monitoring wells and springs.

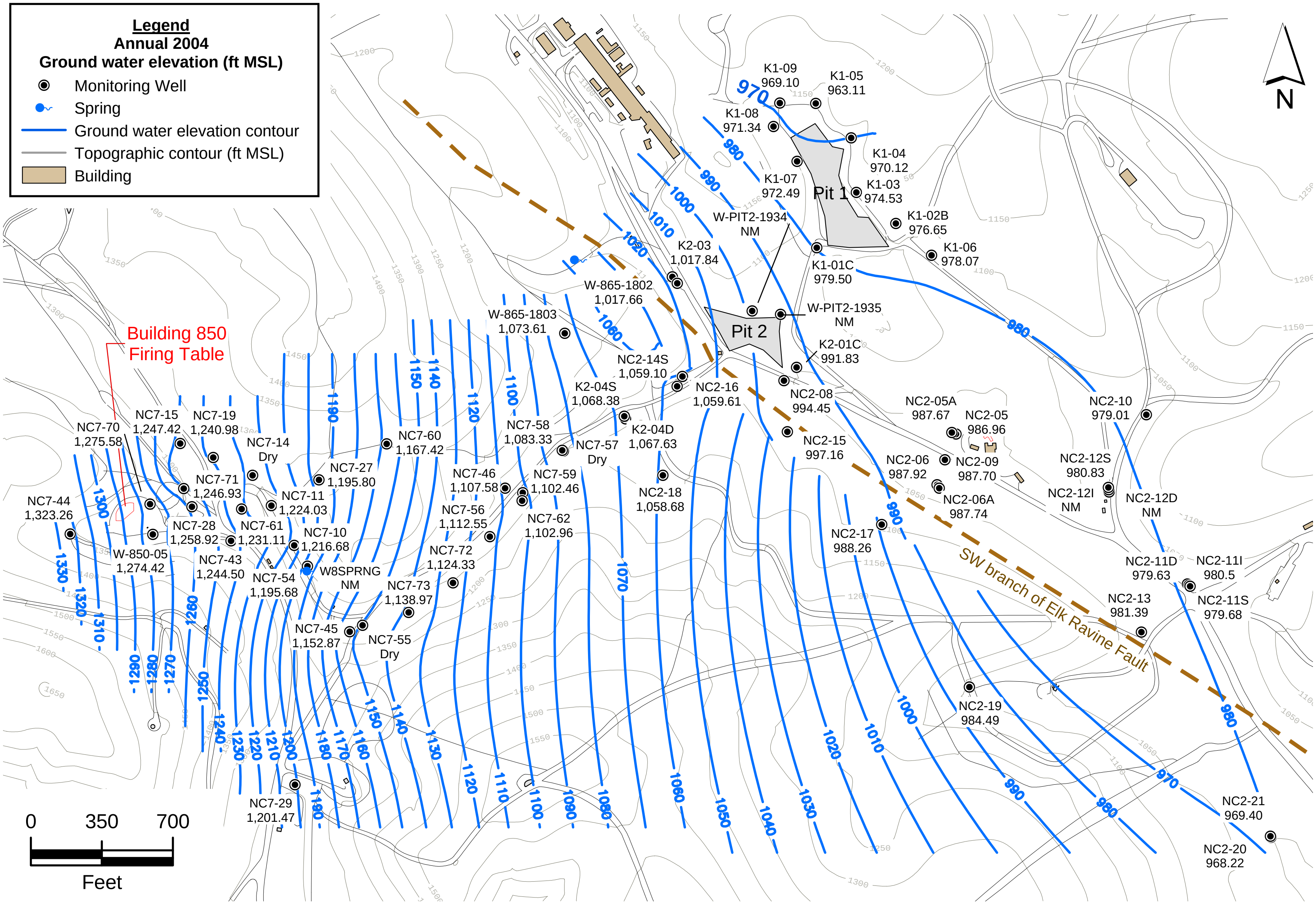


Figure 2.5-2. Building 850 OU ground water potentiometric surface map for the Qal-Tnbs$_1$ HSU.

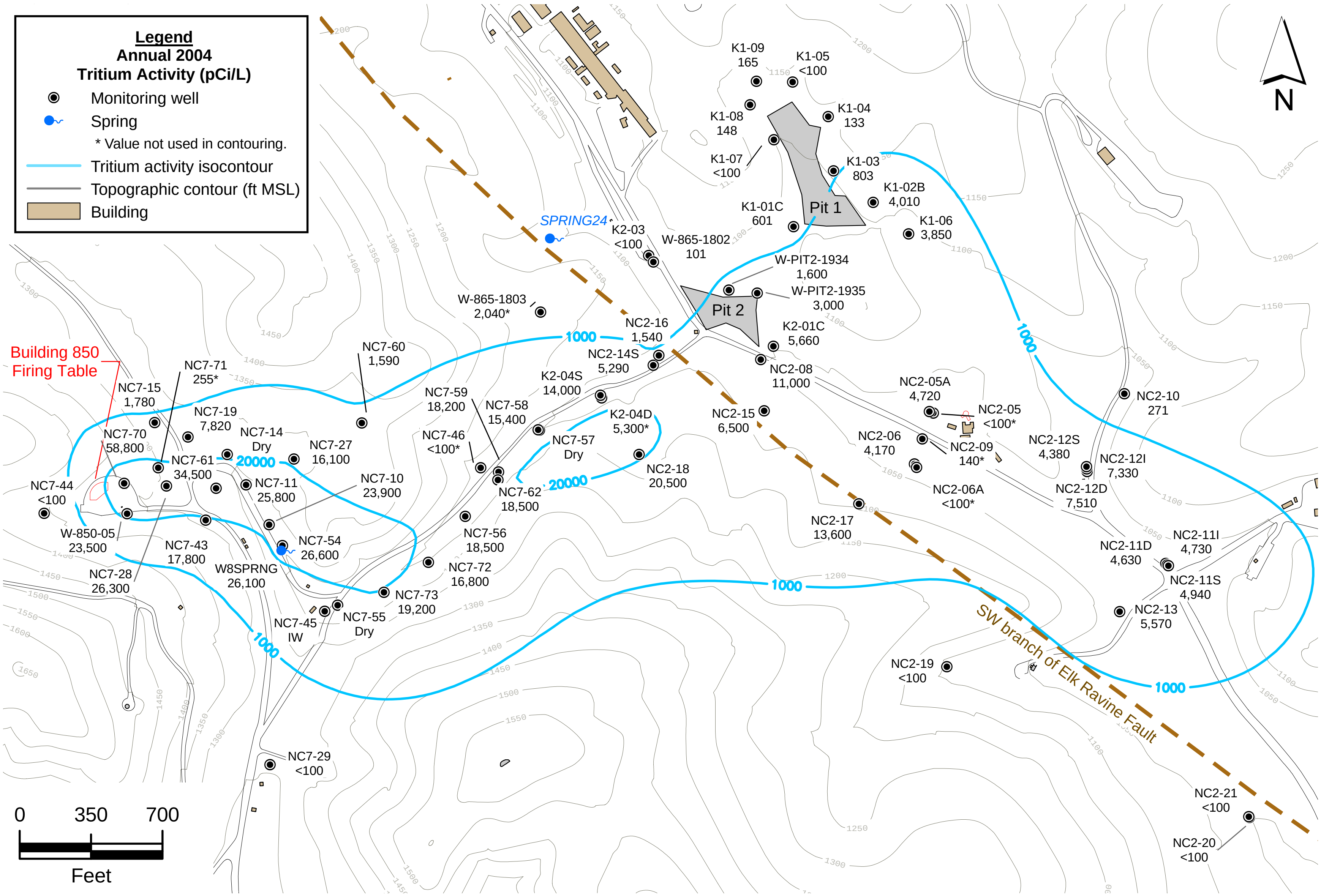


Figure 2.5-3. Building 850 OU tritium isoconcentration contour map for the Qal-Tnbs$_1$ HSU.

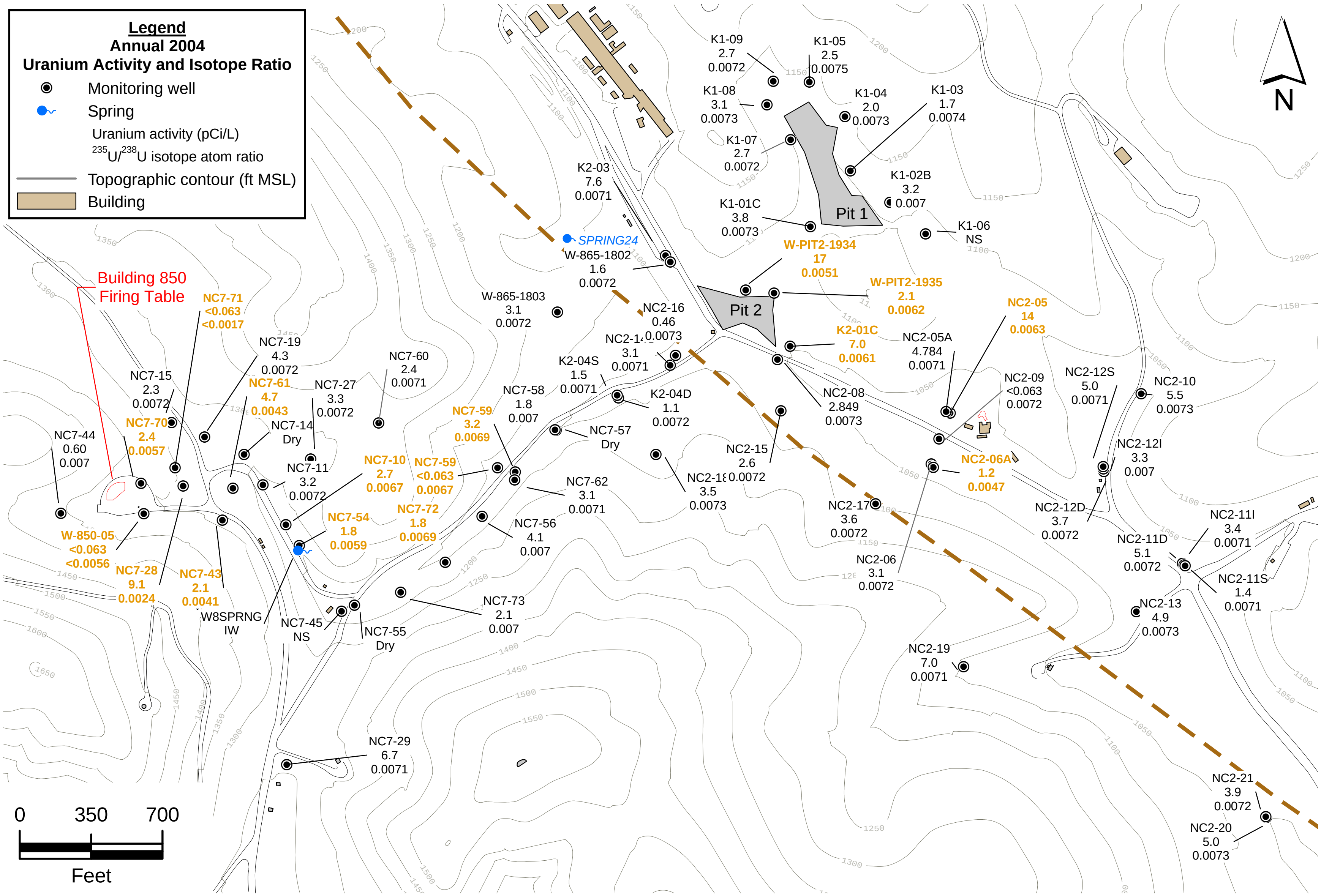


Figure 2.5-4. Building 850 OU map showing uranium activities and $^{235}U/^{238}U$ isotope atom ratios for the Qal-Tnbs$_1$ HSU.

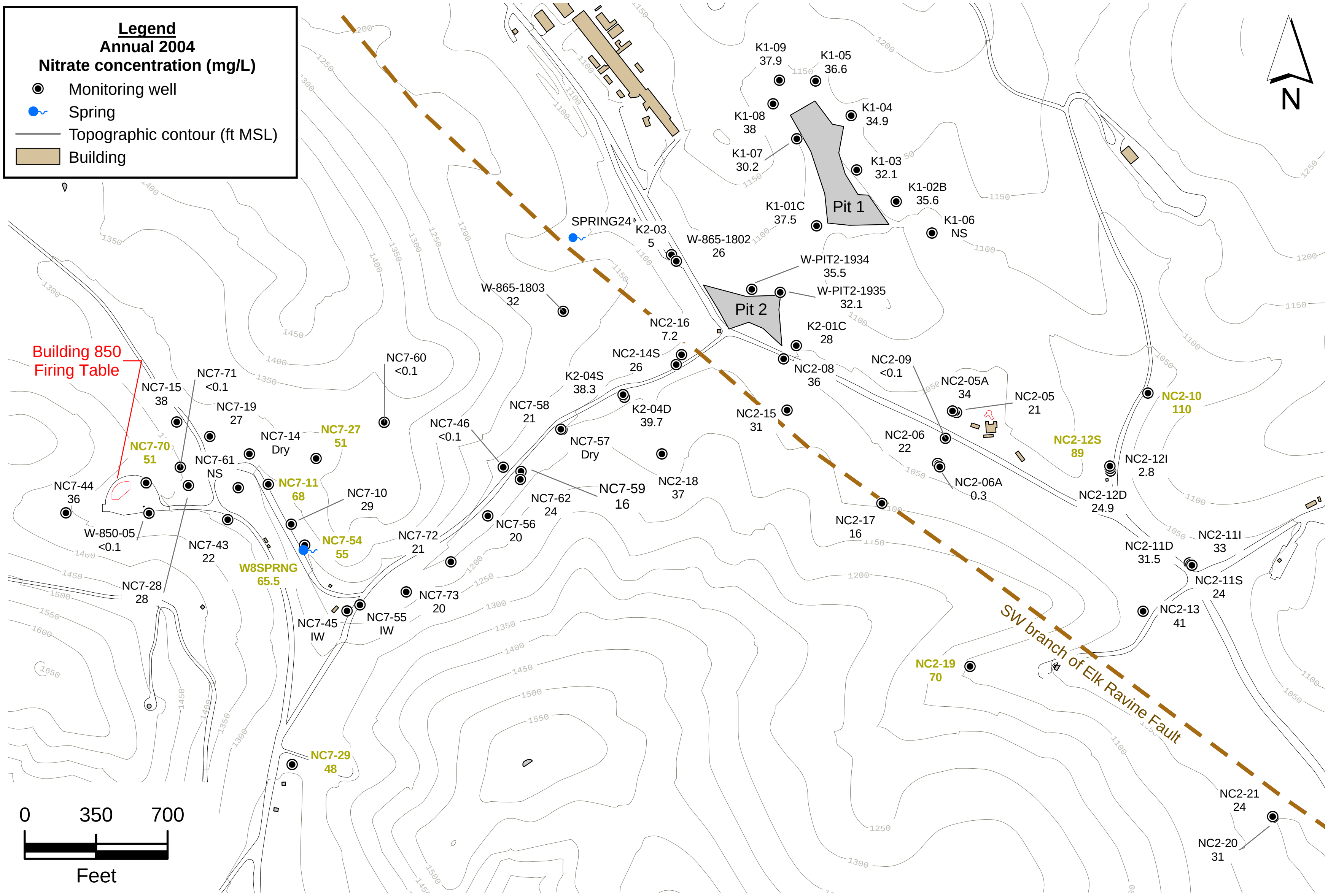


Figure 2.5-5. Building 850 OU map showing nitrate concentrations for the Qal-Tnbs$_1$ HSU.

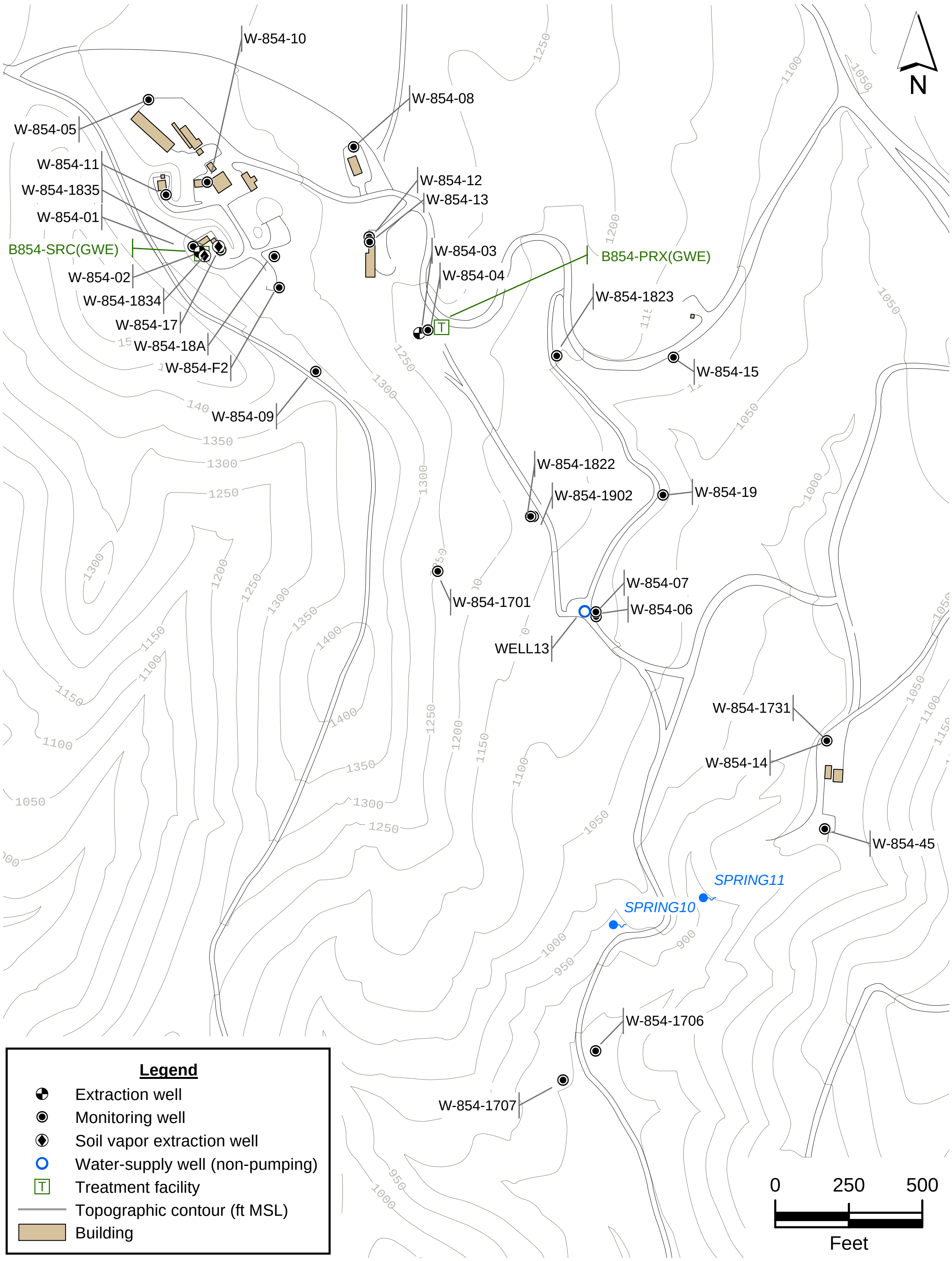


Figure 2.6-1. Building 854 OU site map showing monitoring and extraction wells, and treatment facilities.

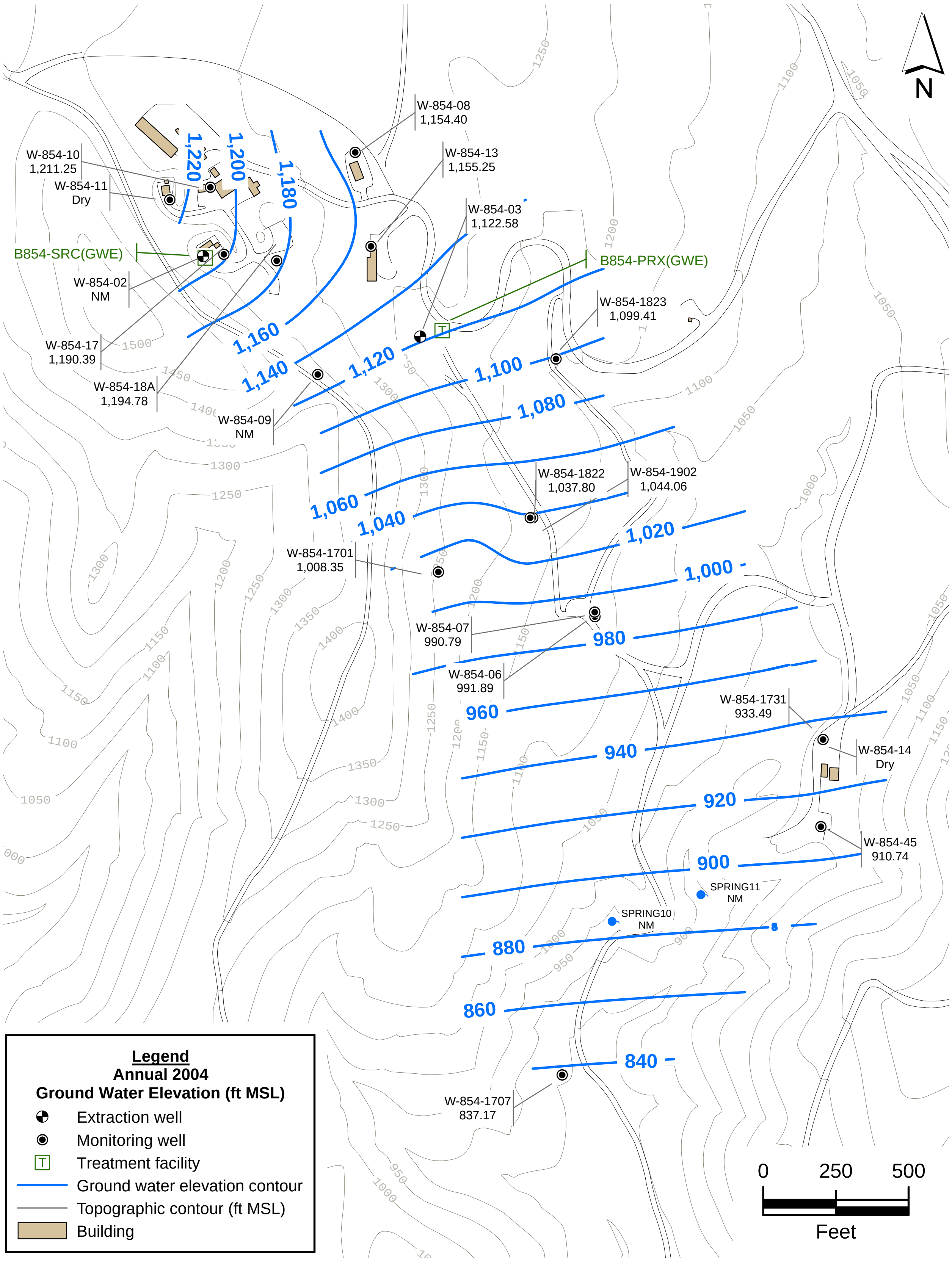


Figure 2.6-2. Building 854 OU ground water potentiometric surface map for the $Tnbs_1/Tnsc_0$ HSU.

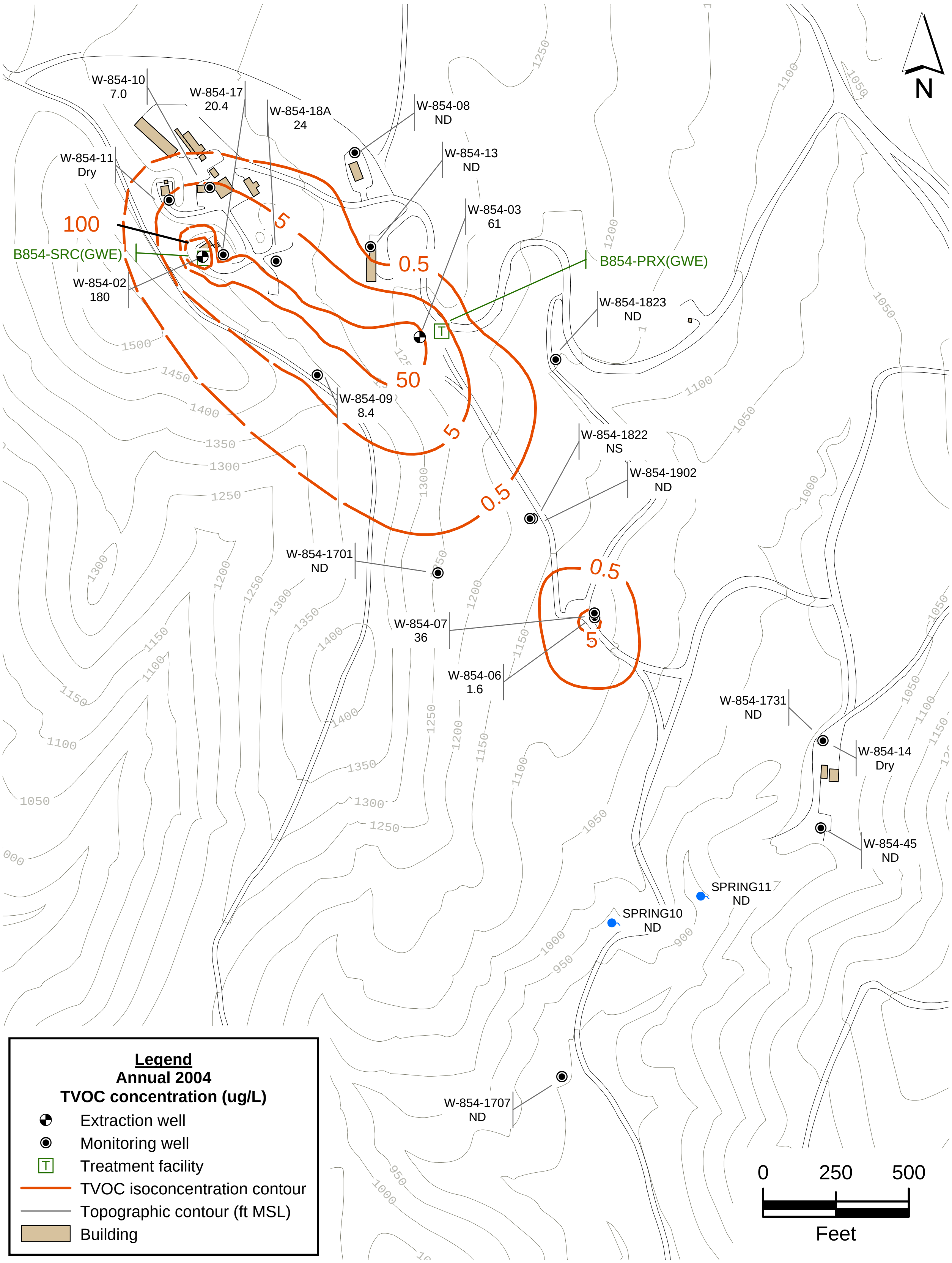


Figure 2.6-3. Building 854 OU TVOC isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU.

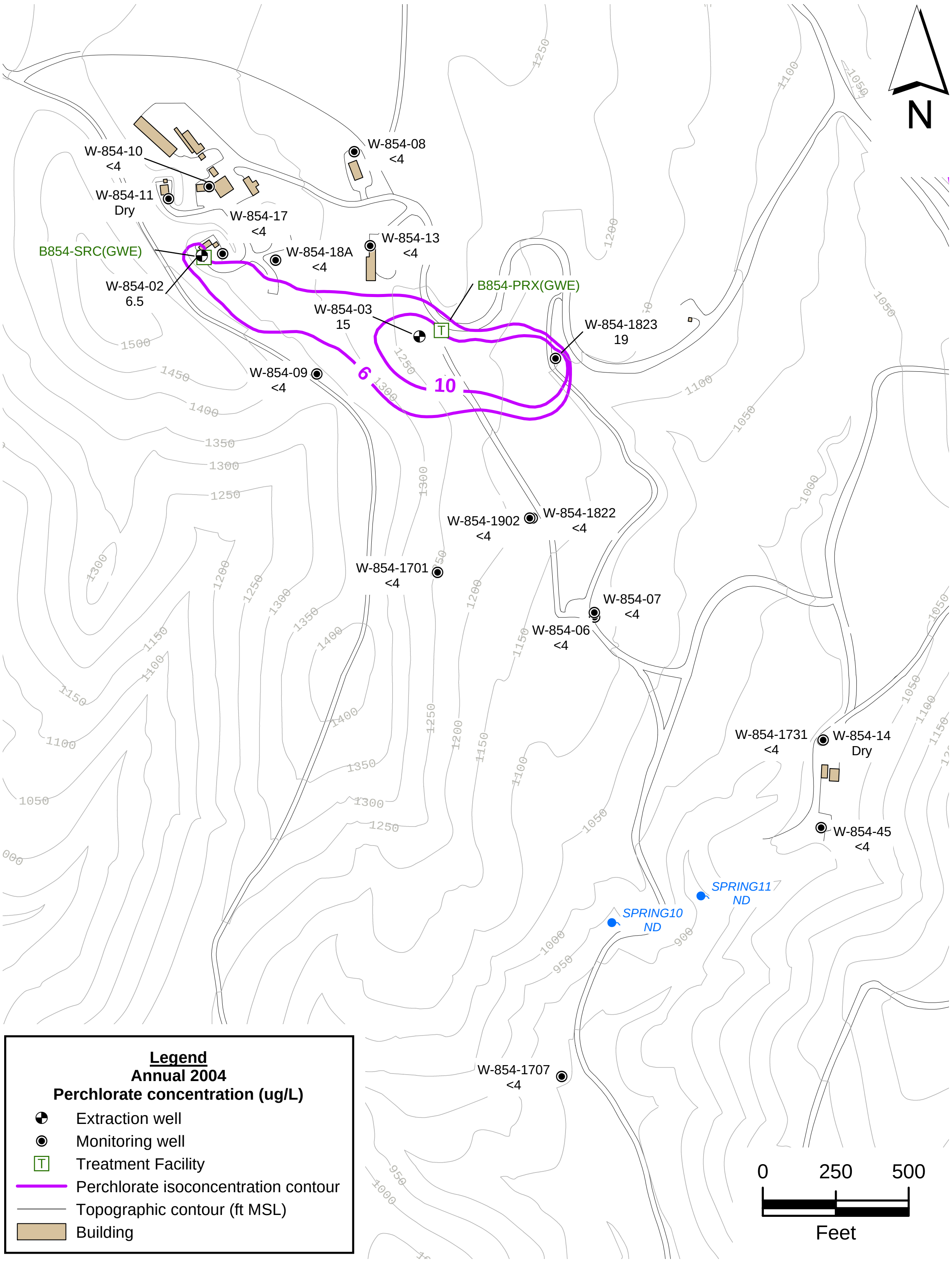
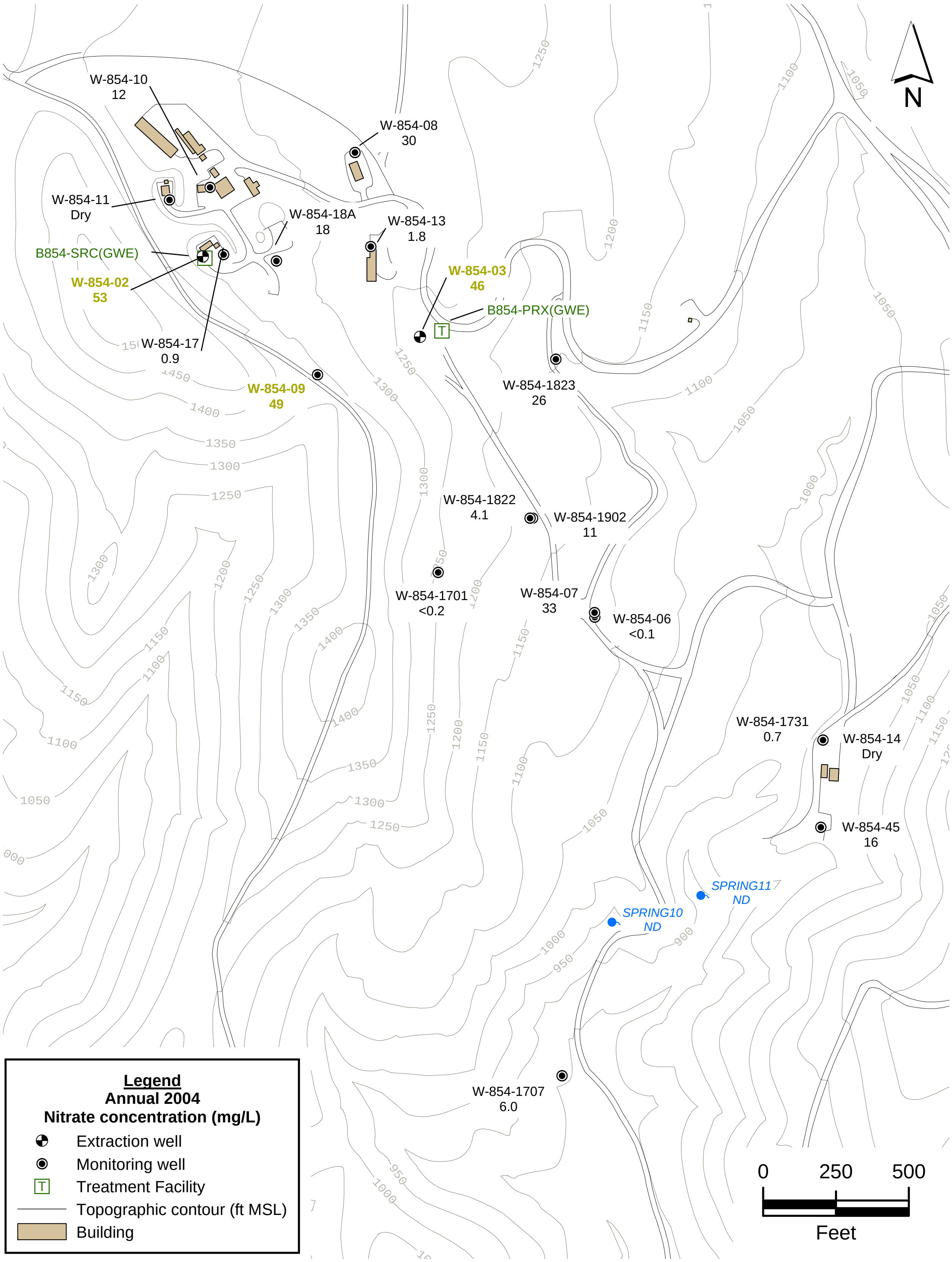


Figure 2.6-4. Building 854 OU perchlorate isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU.



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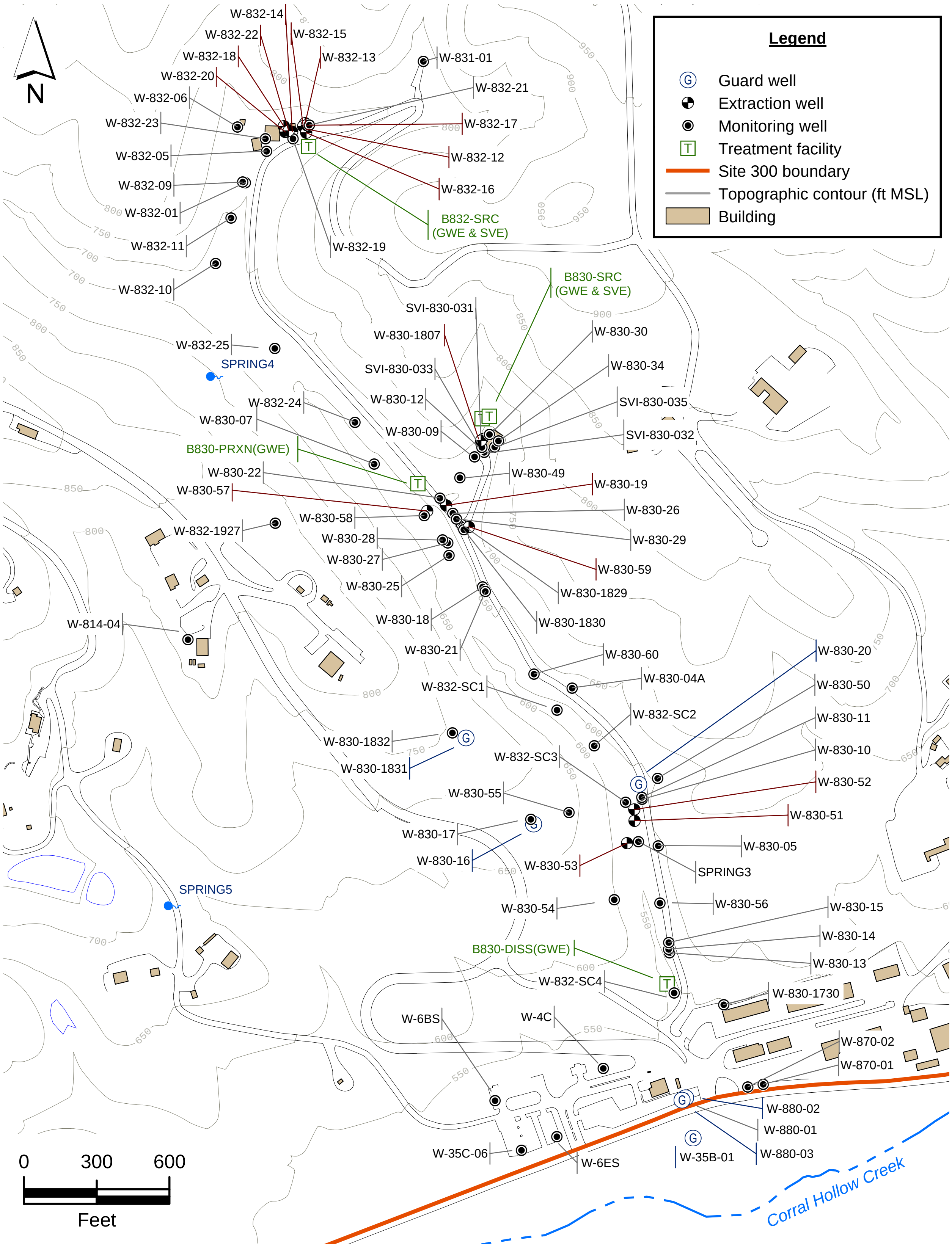


Figure 2.7-1. Building 832 Canyon OU site map showing monitoring, extraction and water-supply wells, and treatment facilities.

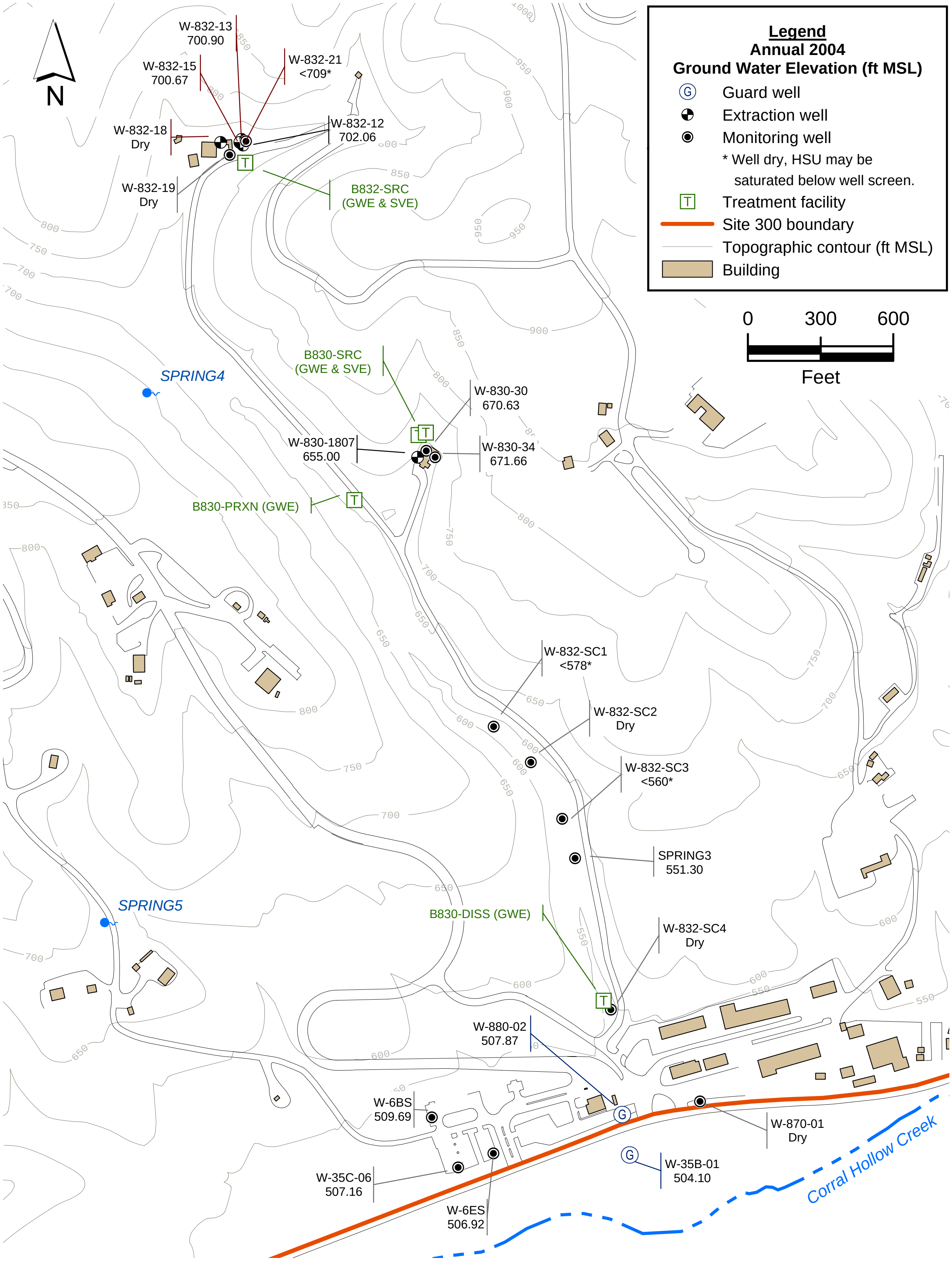


Figure 2.7-2. Building 832 Canyon OU map showing ground water elevations for the Qal/Fill.

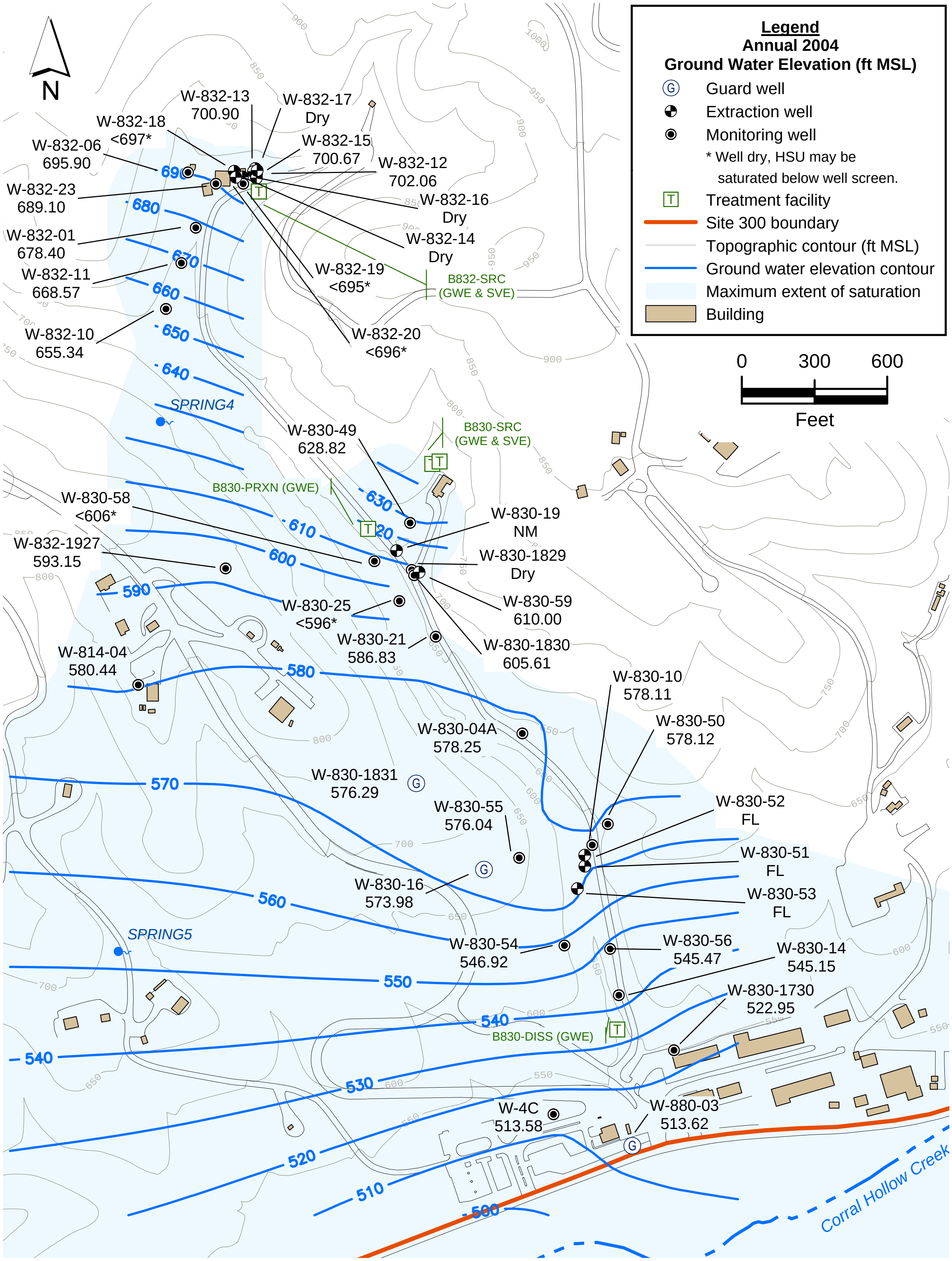
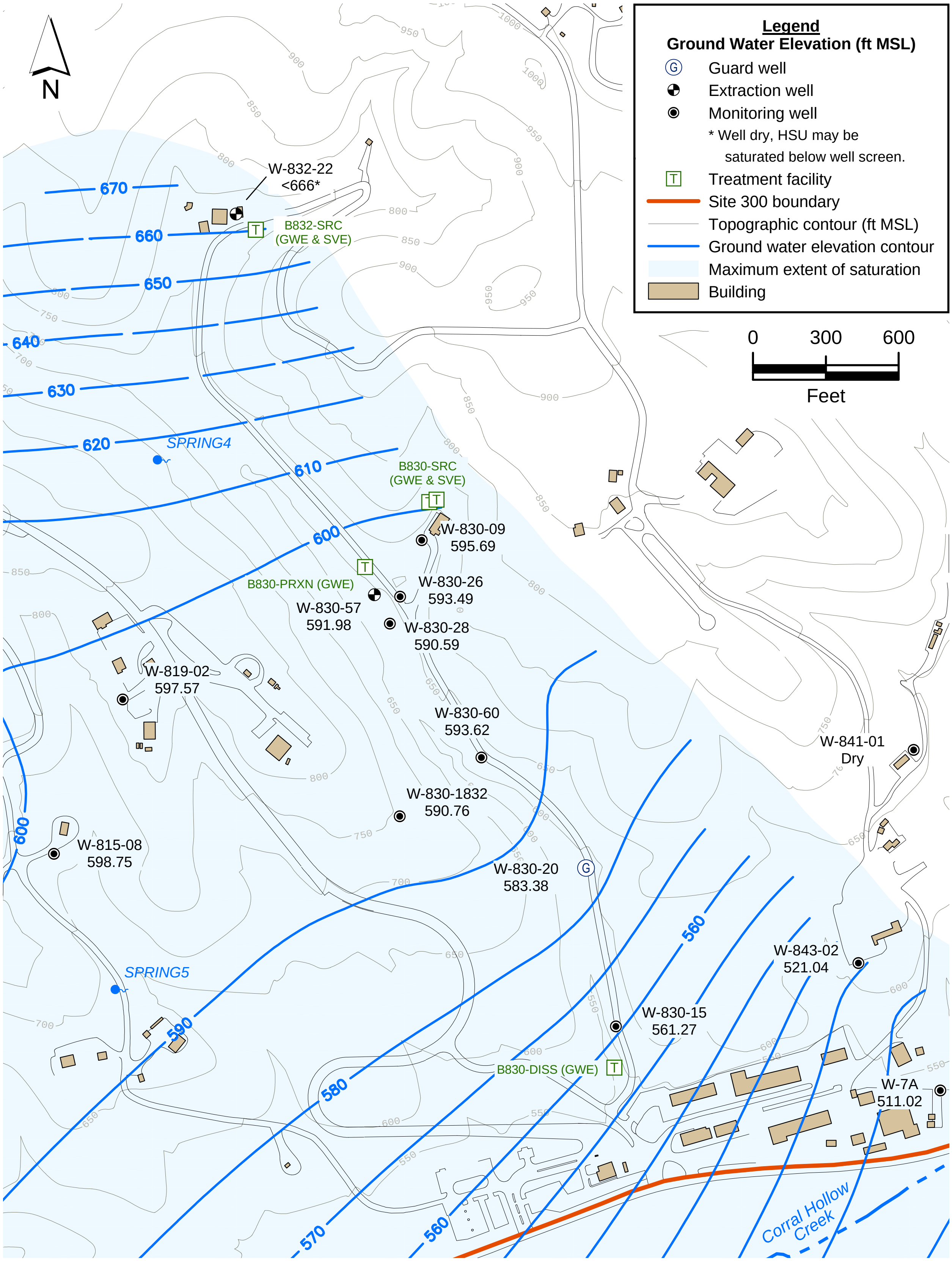


Figure 2.7-3. Building 832 Canyon OU ground water potentiometric surface map for the Tnsc$_{1b}$ HSU.



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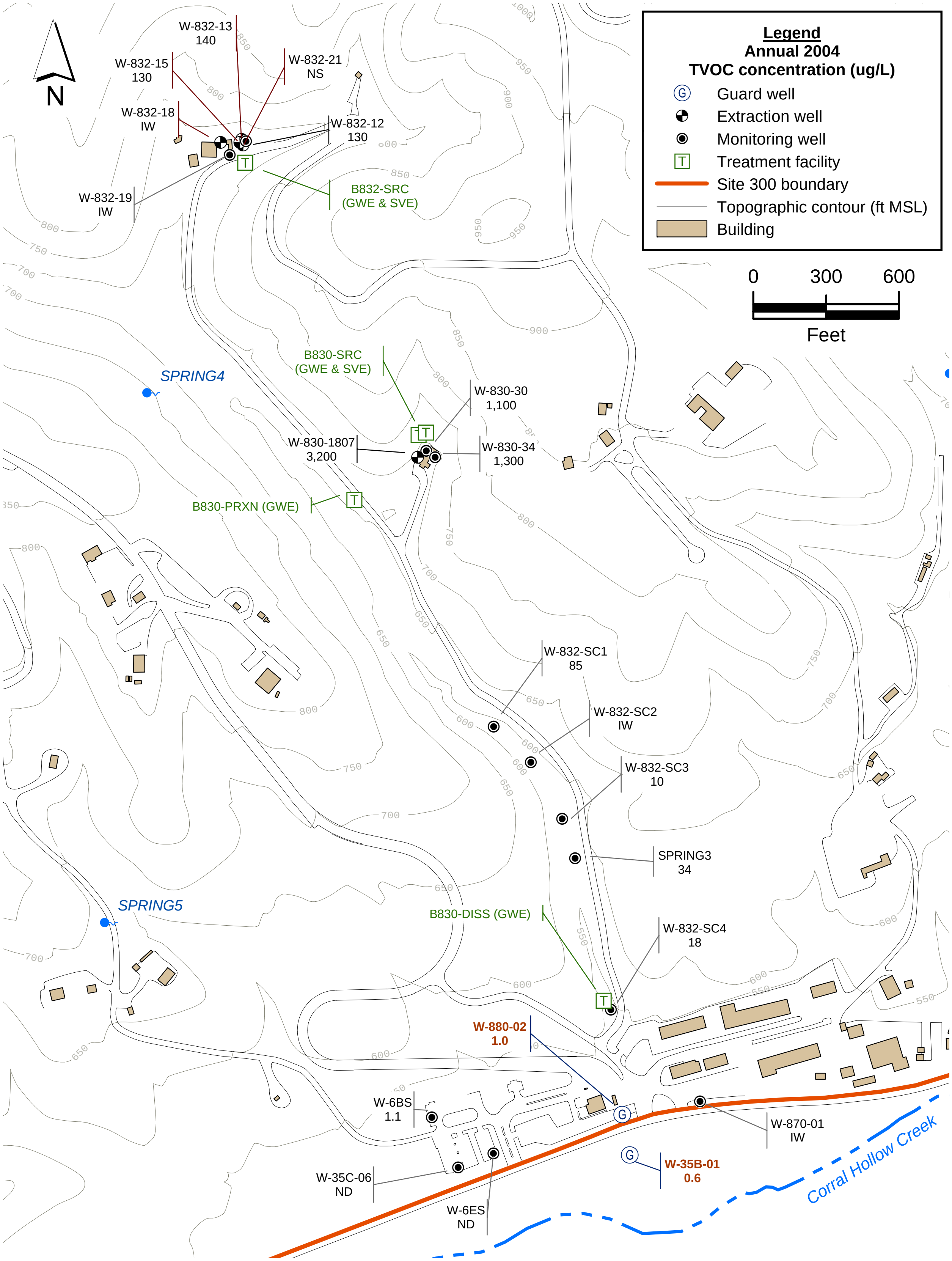
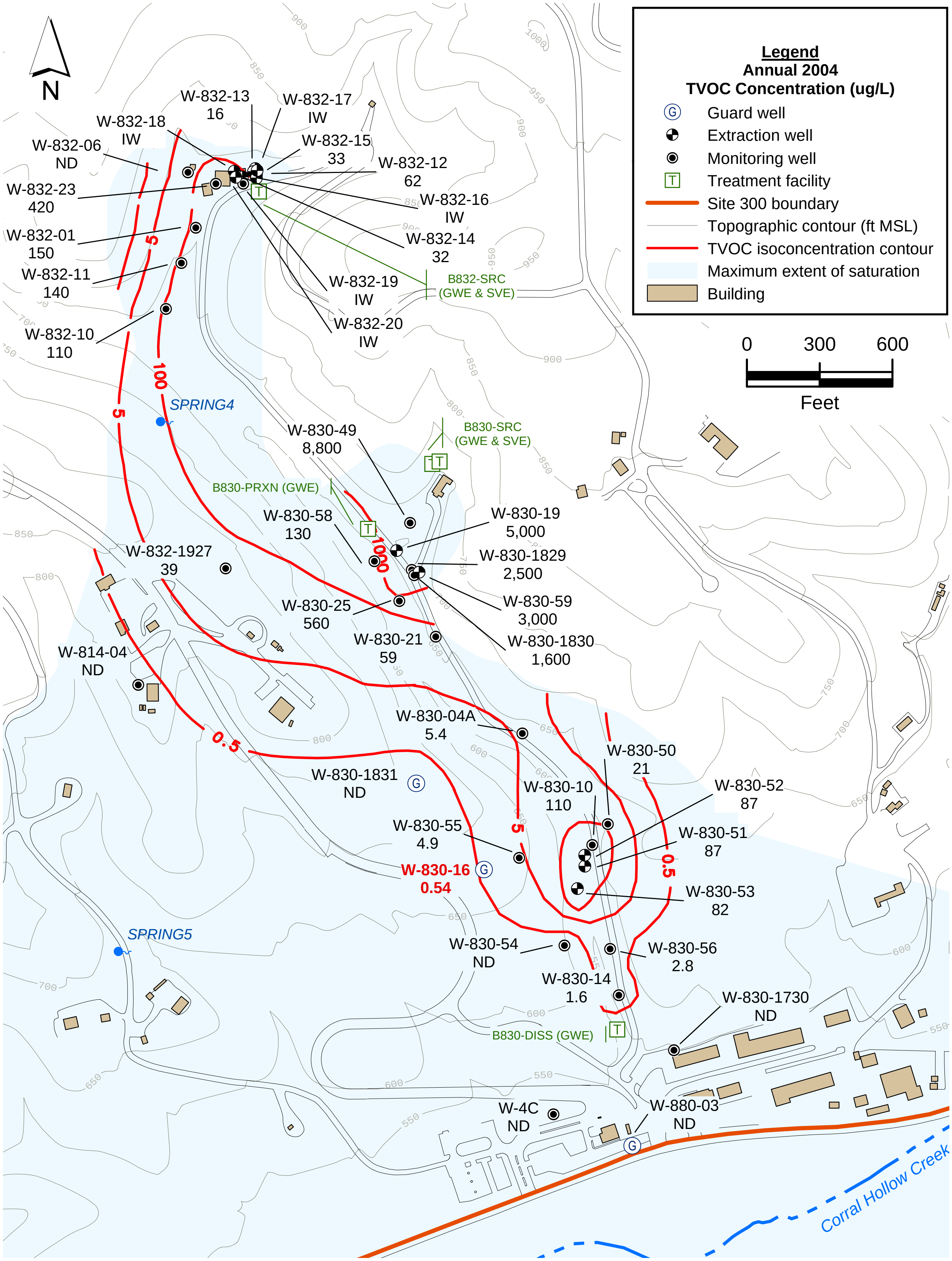


Figure 2.7-5. Building 832 Canyon OU map showing TVOC concentrations for the Qal/Fill.



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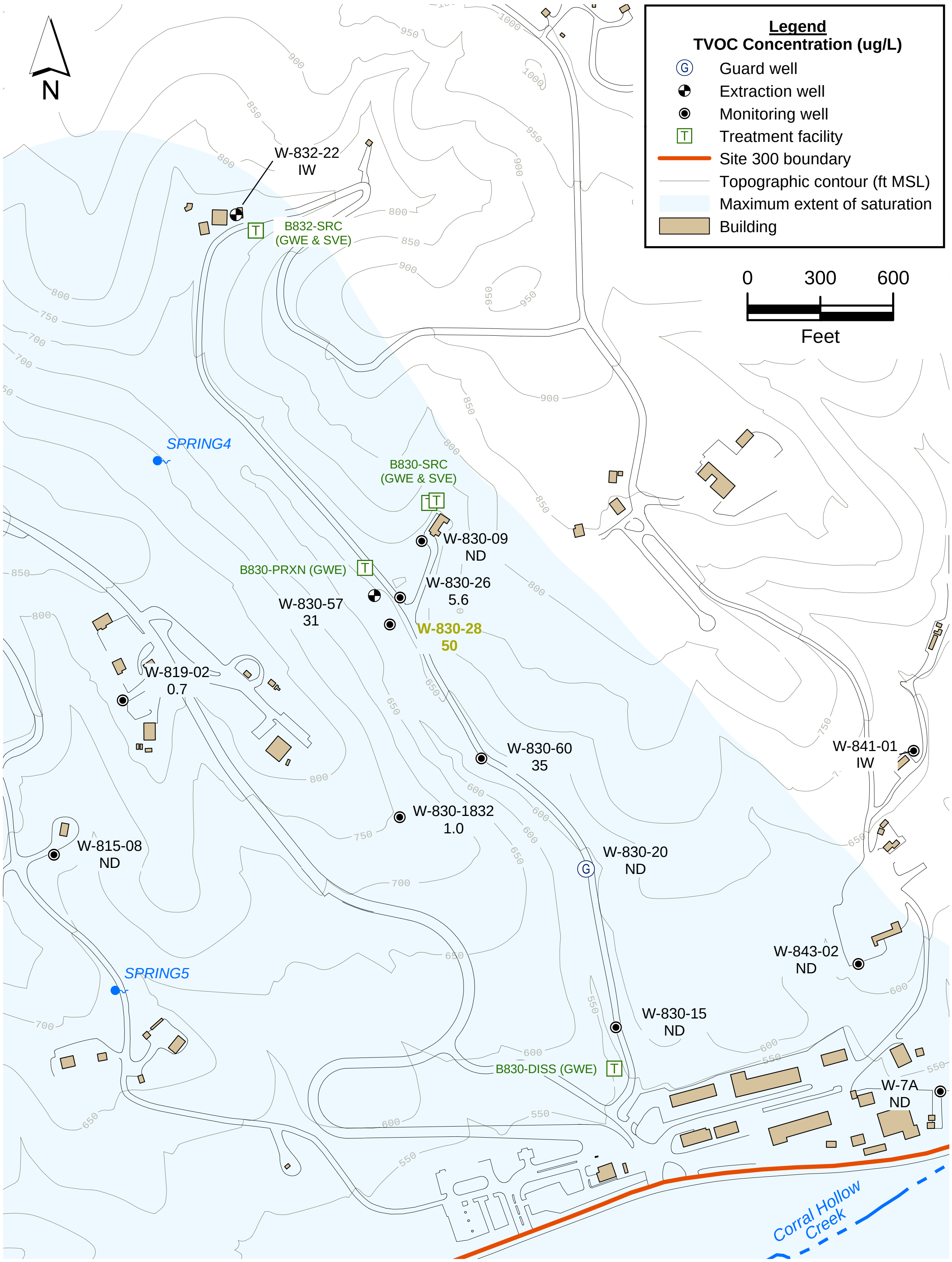

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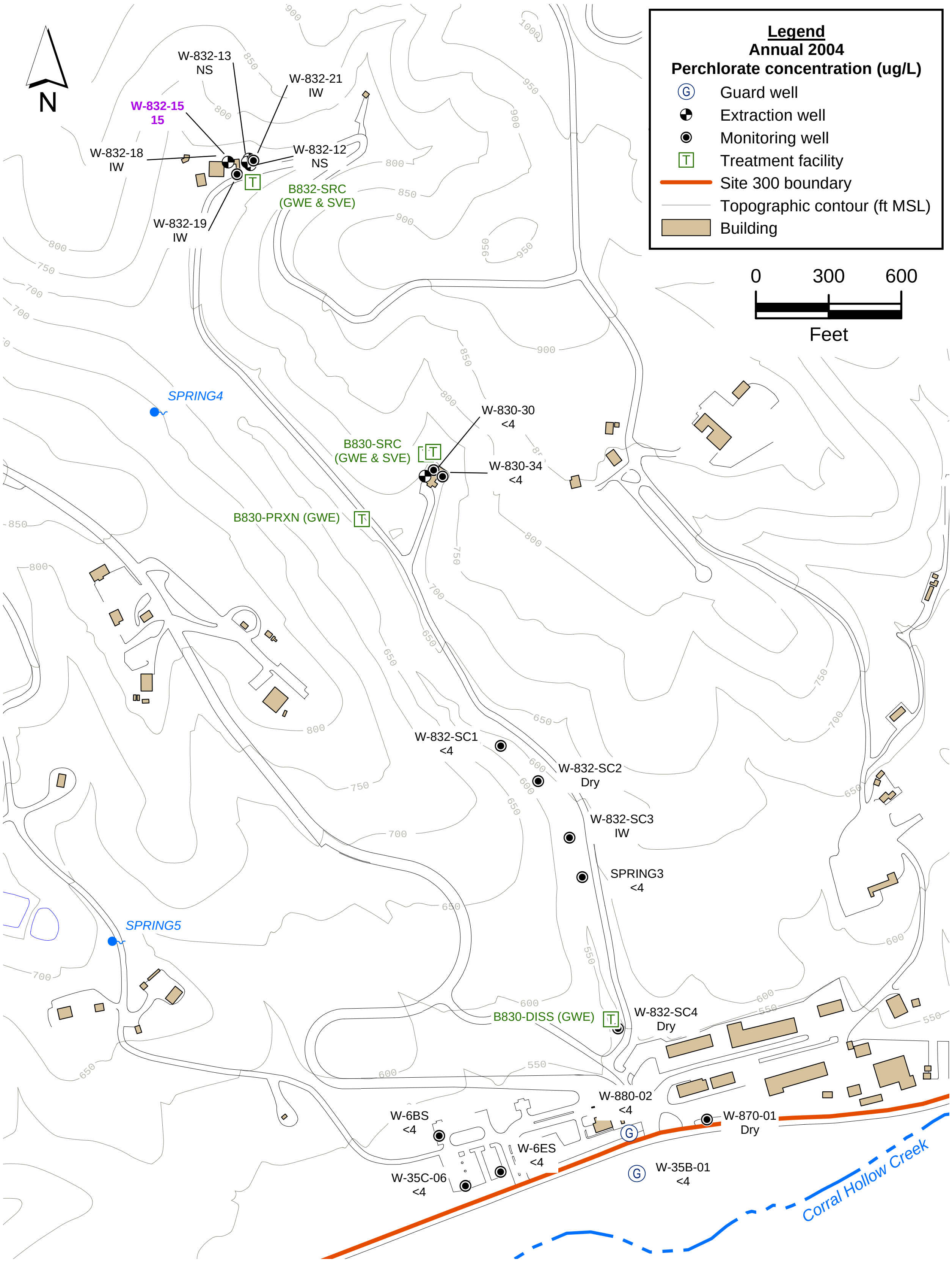

Figure 2.7-8. Building 832 Canyon OU map showing perchlorate concentrations for the Qal /Fill.

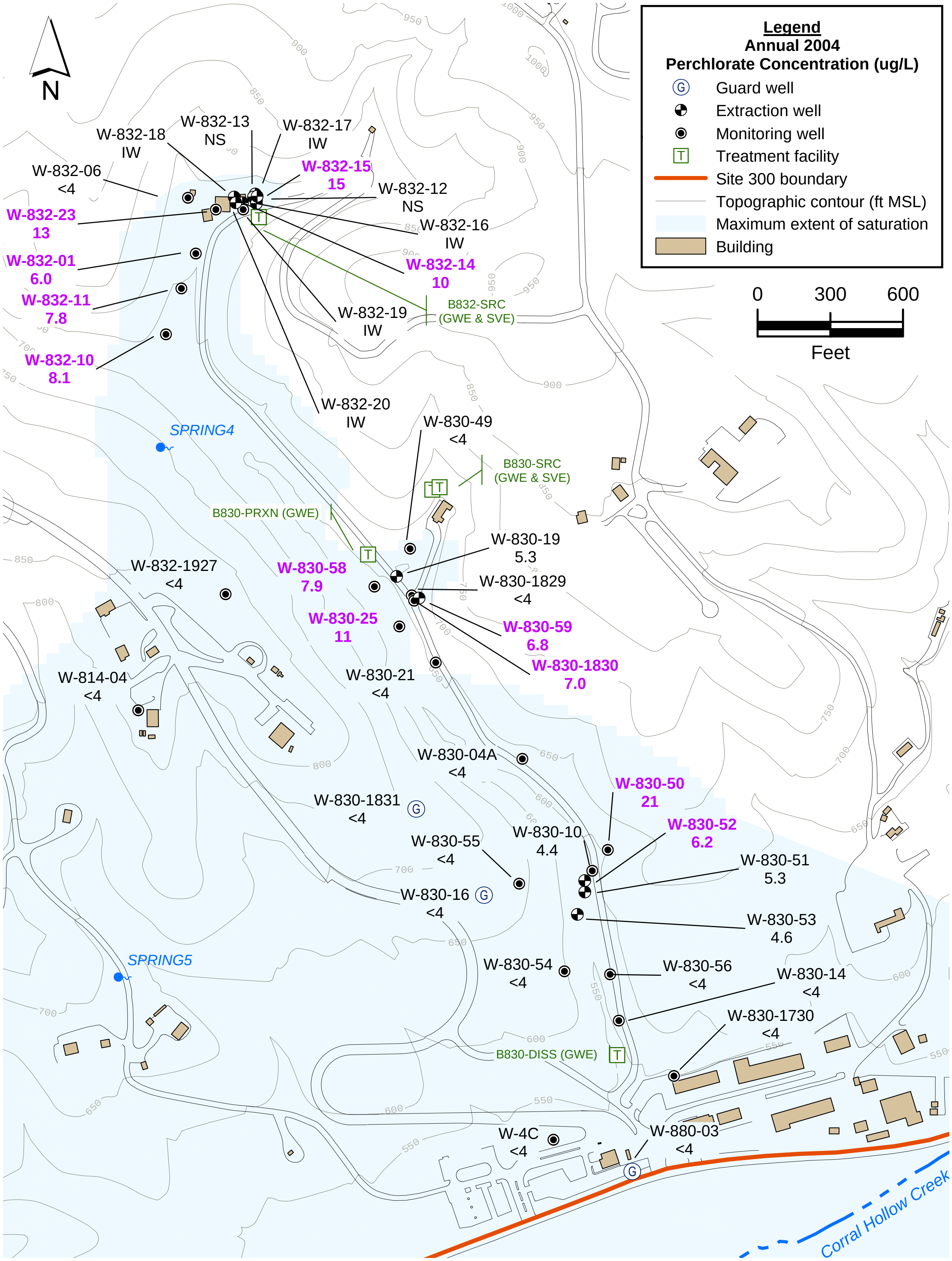

Figure 2.7-9. Building 832 Canyon OU map showing perchlorate concentrations for the $Tnsc_{1b}$ HSU.

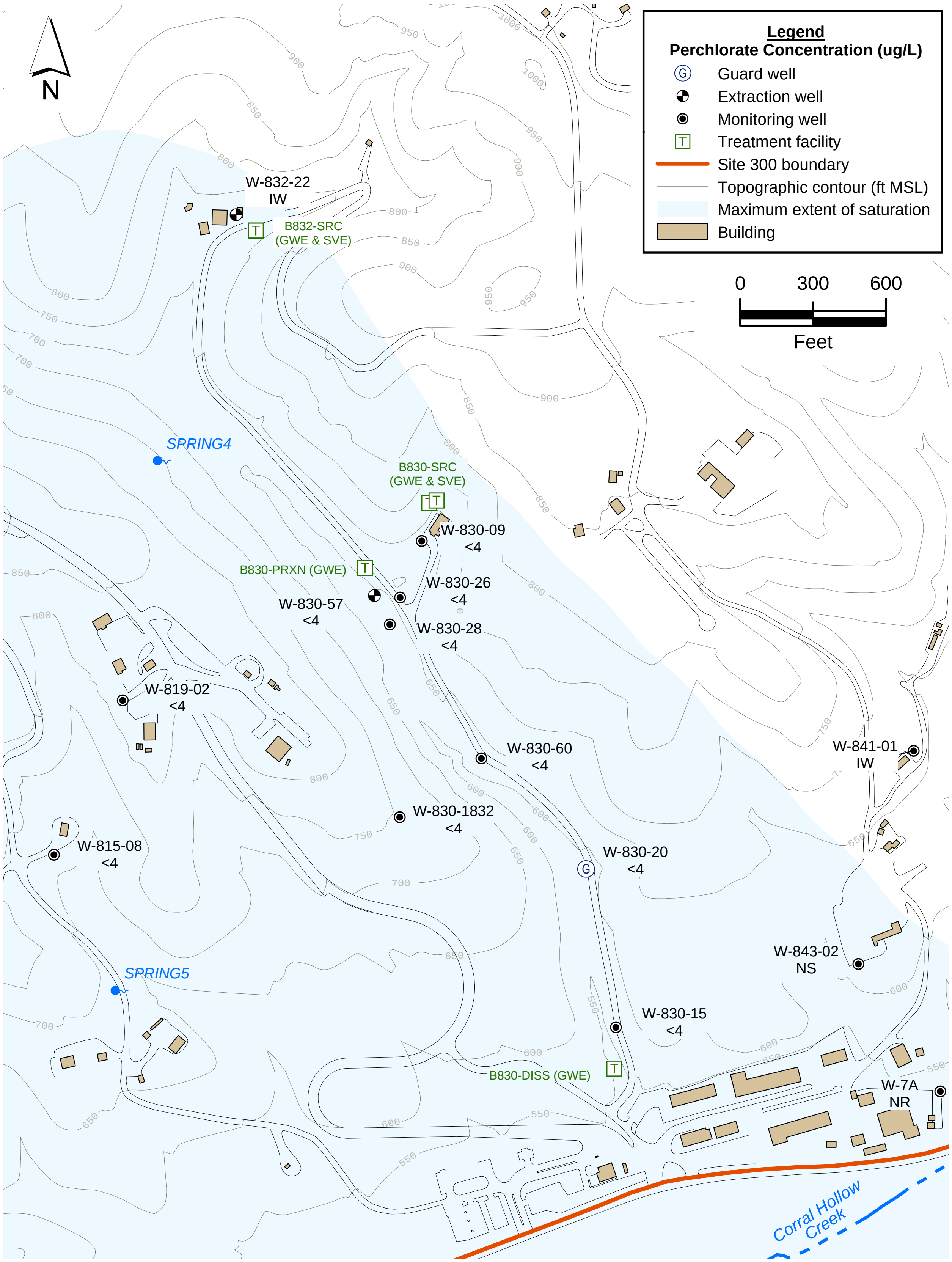

Figure 2.7-10. Building 832 Canyon OU map showing perchlorate concentrations for the UTnbs$_1$ HSU.

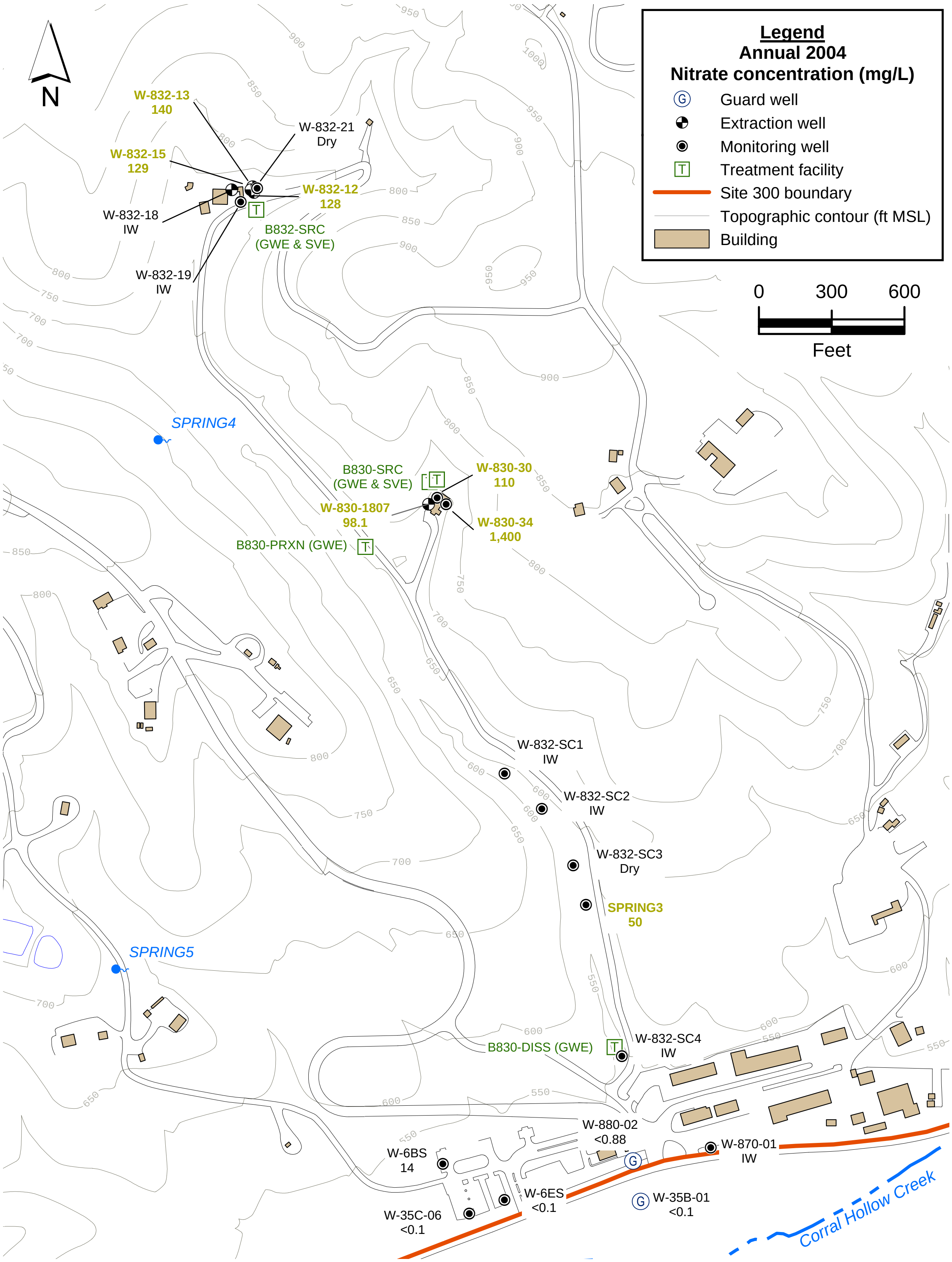

Figure 2.7-11. Building 832 Canyon OU map showing nitrate concentrations for the Qal/Fill.

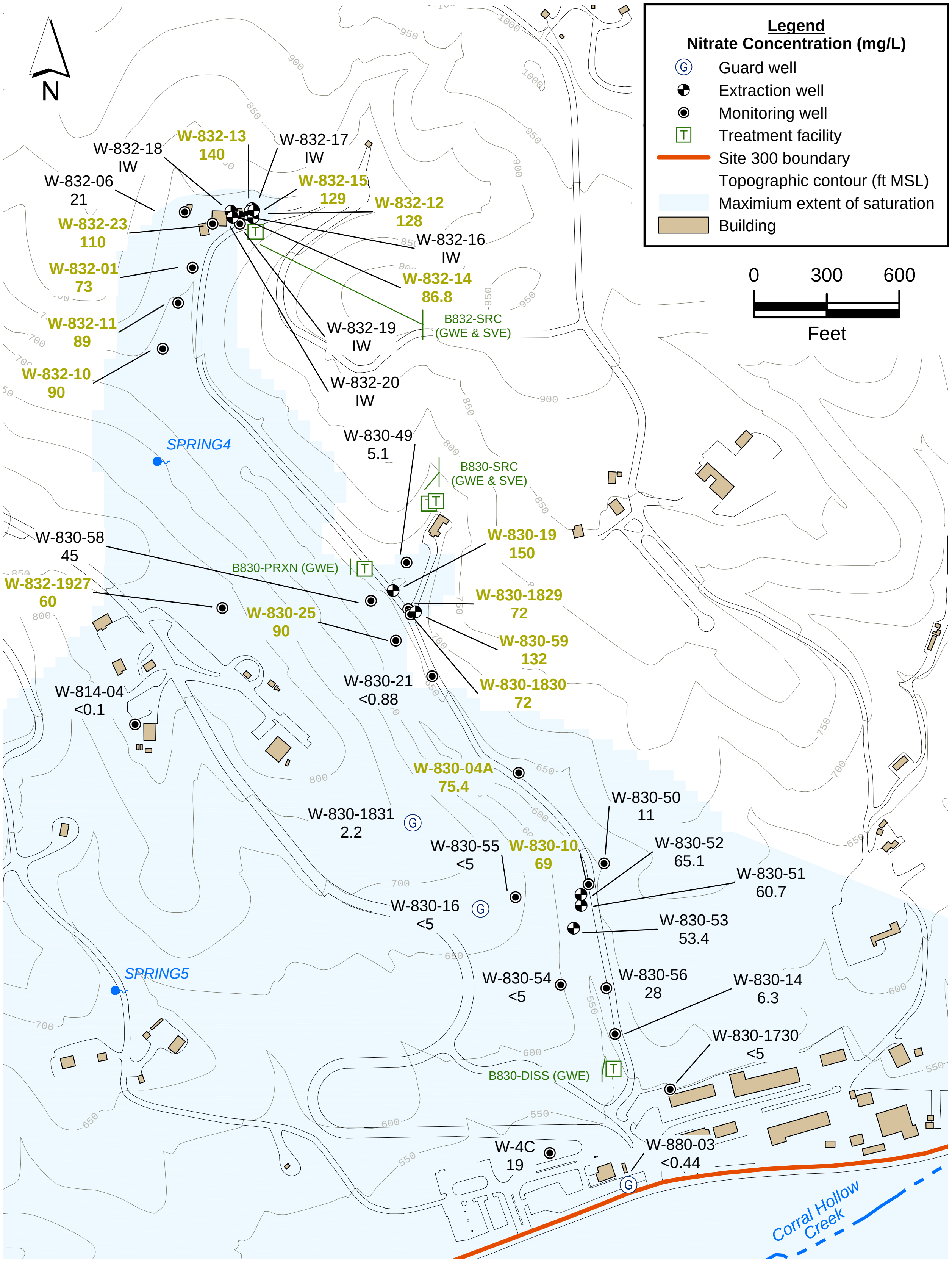

Figure 2.7-12. Building 832 Canyon OU map showing nitrate concentrations for the $Tnsc_{1b}$ HSU.

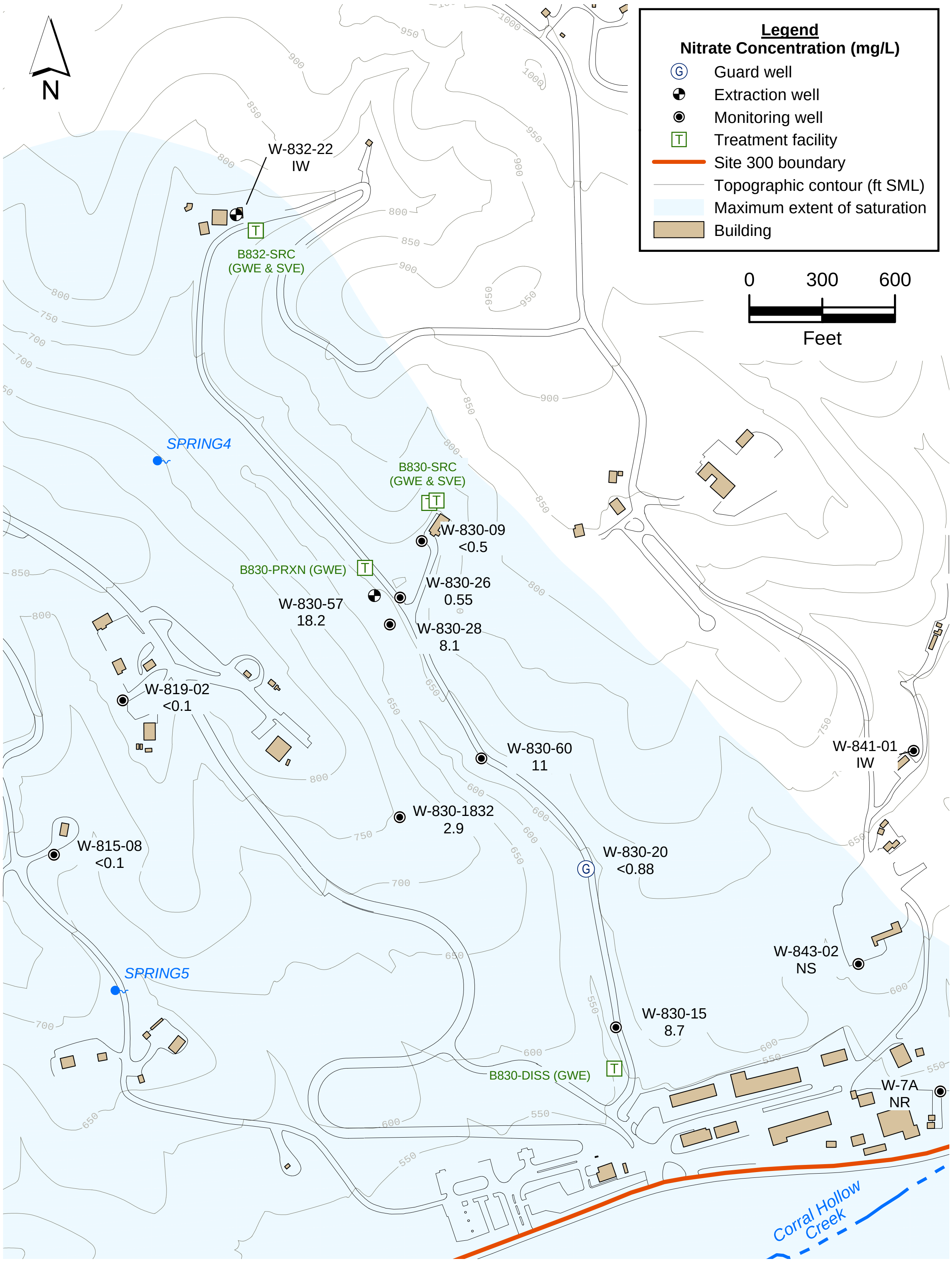

Figure 2.7-13. Building 832 Canyon OU map showing nitrate concentrations for the UTnbs$_1$ HSU.

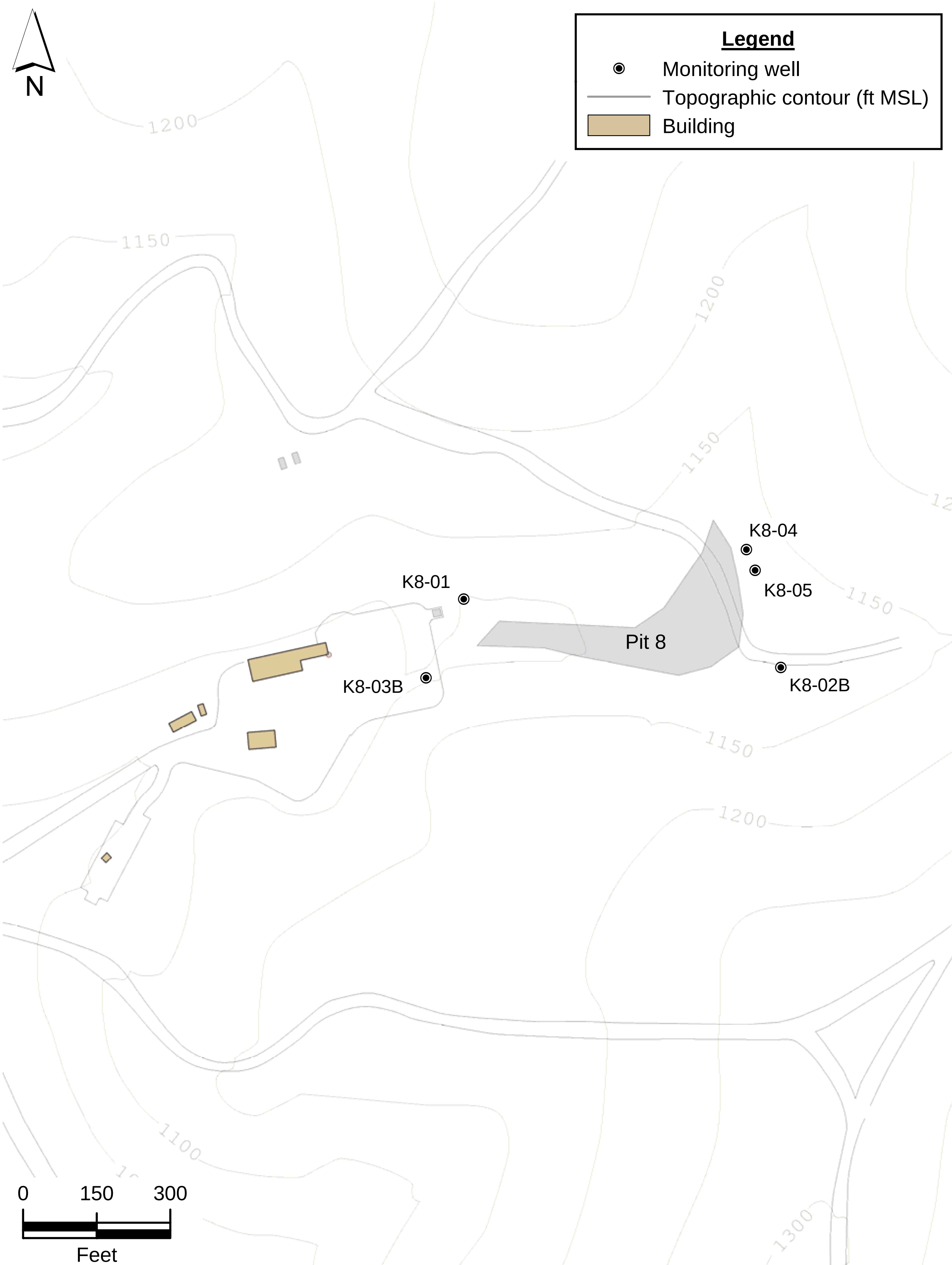

Figure 2.8-1. Building 801 Firing Table and Pit 8 Landfill site map showing monitoring wells.

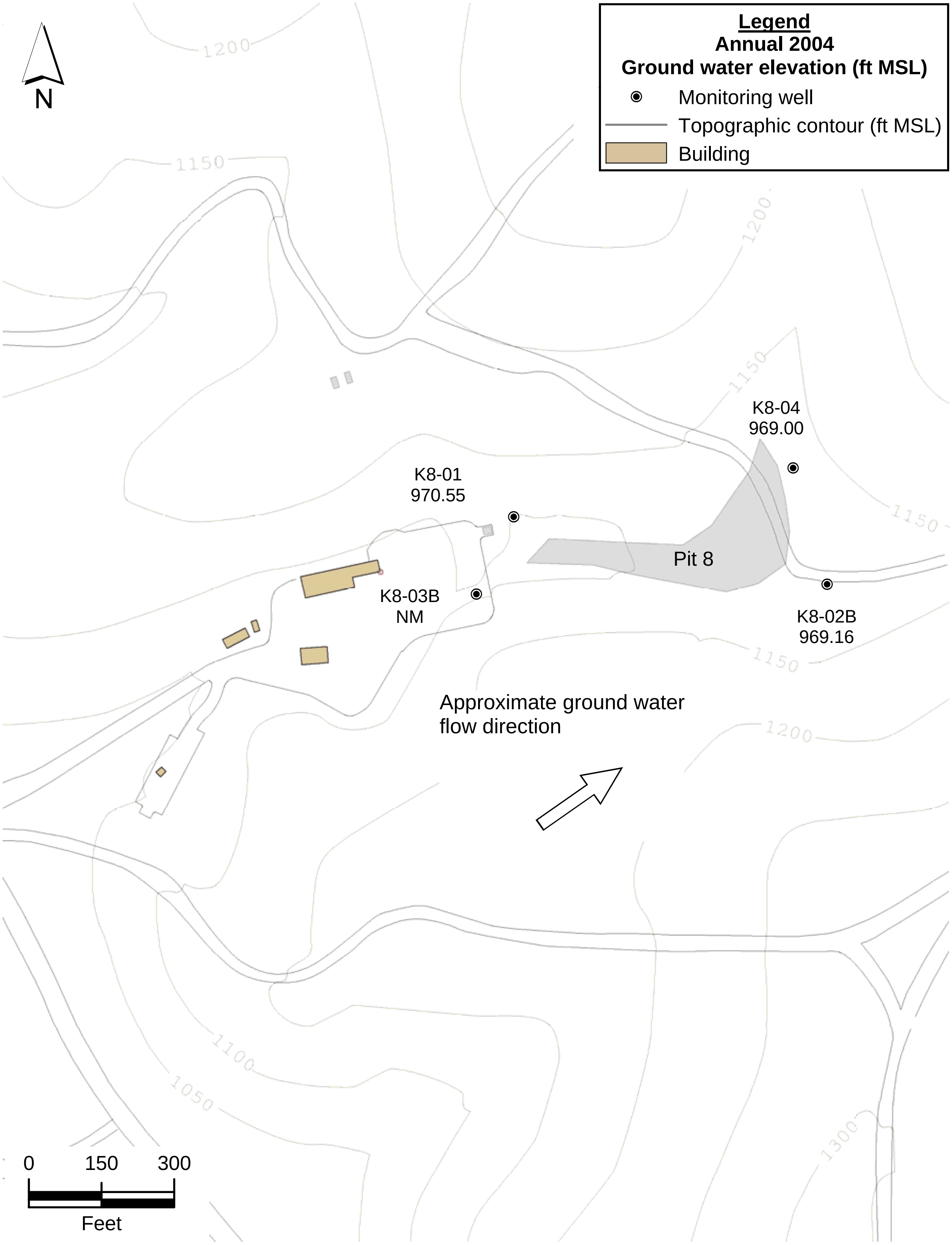

Figure 2.8-2. Building 801 Firing Table and Pit 8 Landfill site map showing ground water elevations and hydraulic gradient direction in the Tnbs$_1$ HSU.

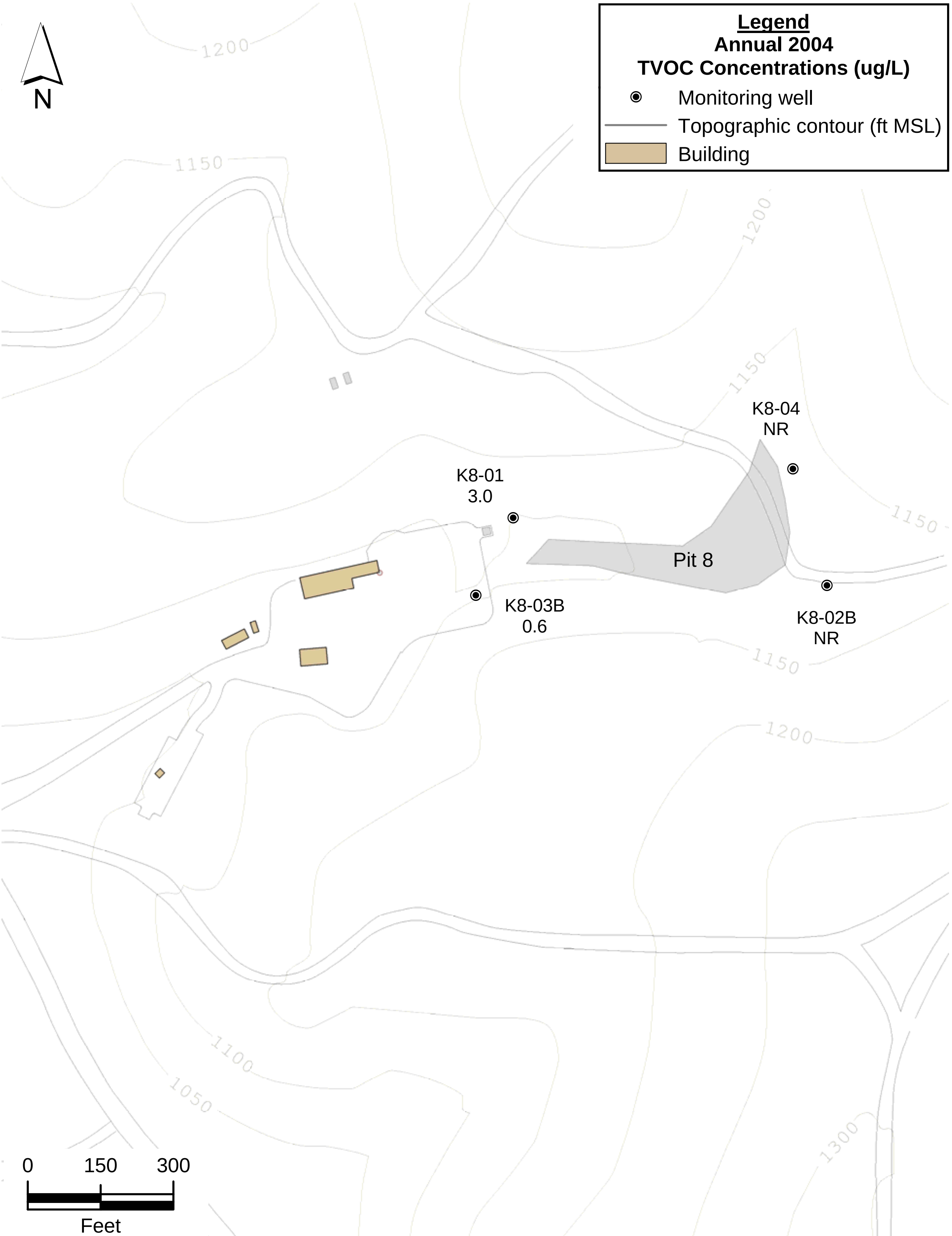

Figure 2.8-3. Building 801 Firing Table and Pit 8 Landfill site map showing TVOC concentrations in $Tnbs_1$ HSU wells.

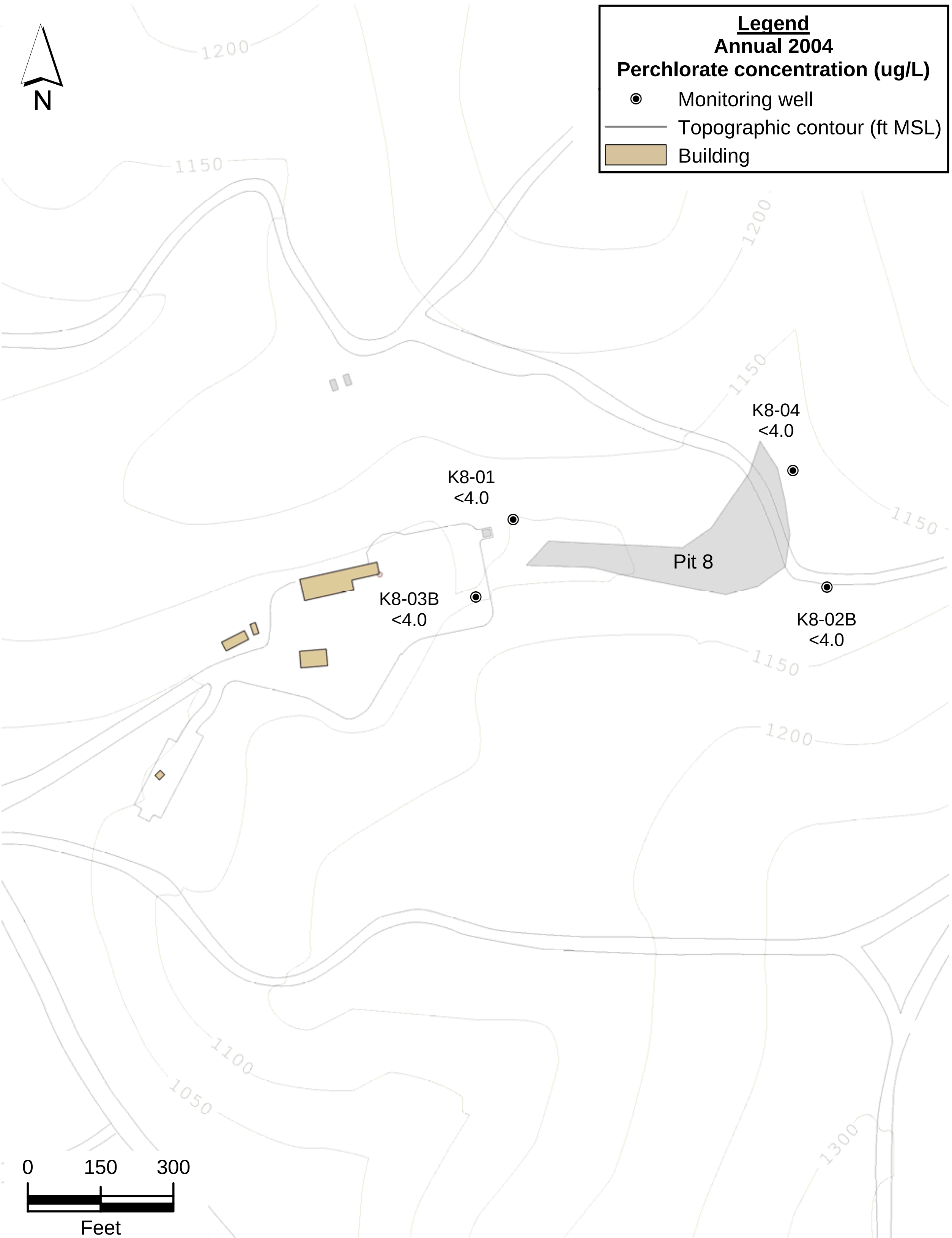

Figure 2.8-4. Building 801 Firing Table and Pit 8 Landfill site map showing perchlorate concentrations in $Tnbs_1$ HSU wells.

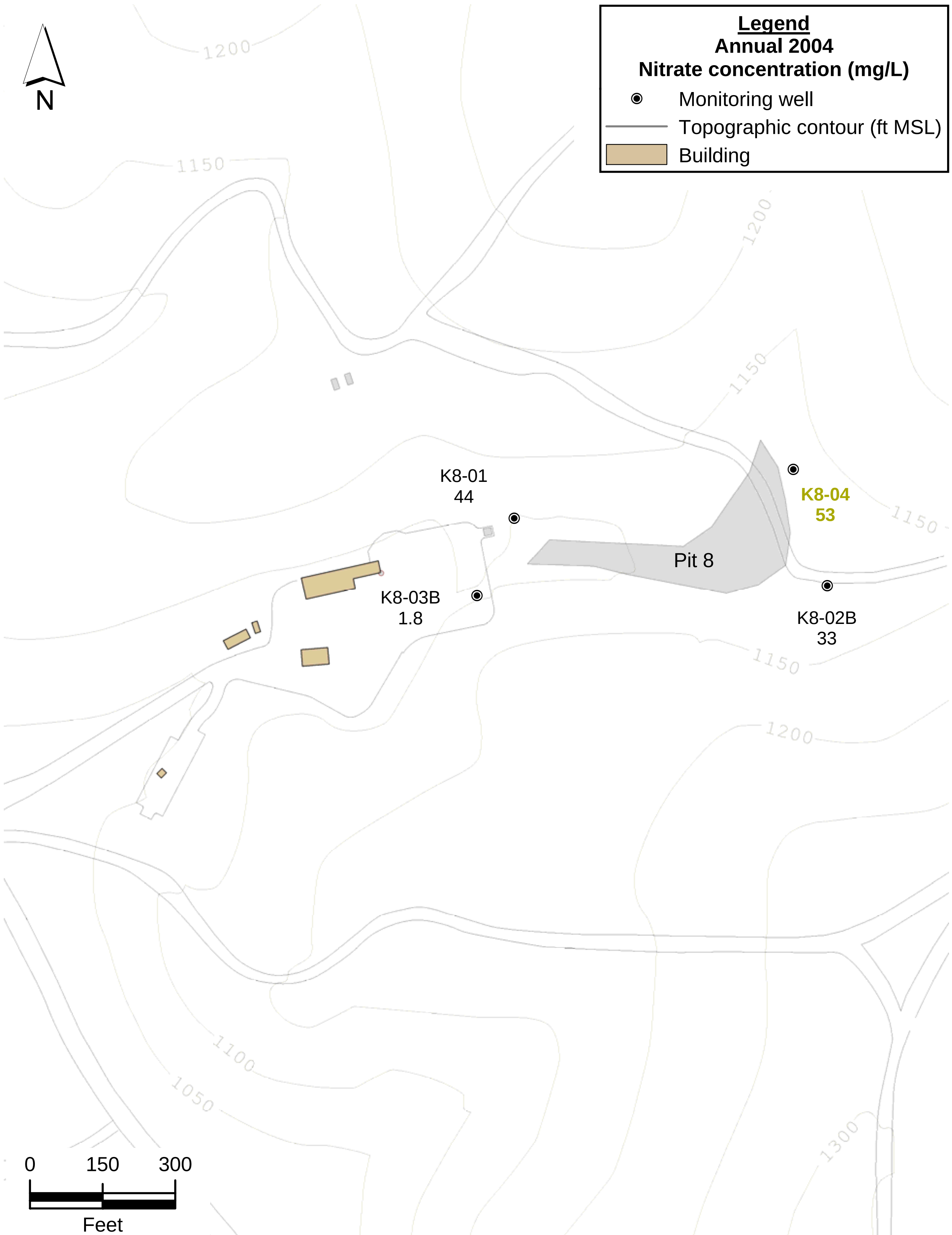

Figure 2.8-5. Building 801 Firing Table and Pit 8 Landfill site map showing nitrate concentrations in $Tnbs_1$ HSU wells.

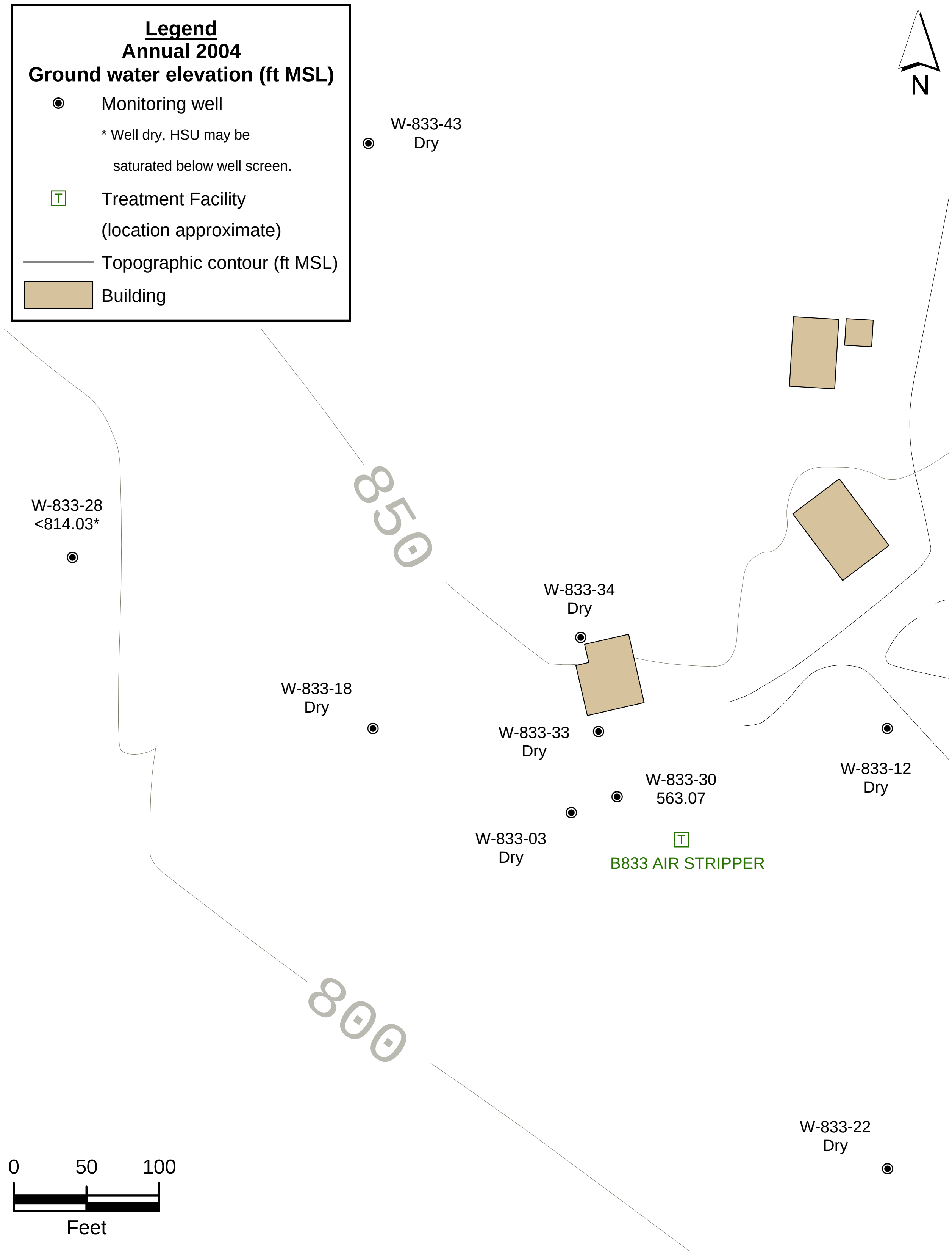

Figure 2.8-6. Building 833 site map showing ground water elevations.

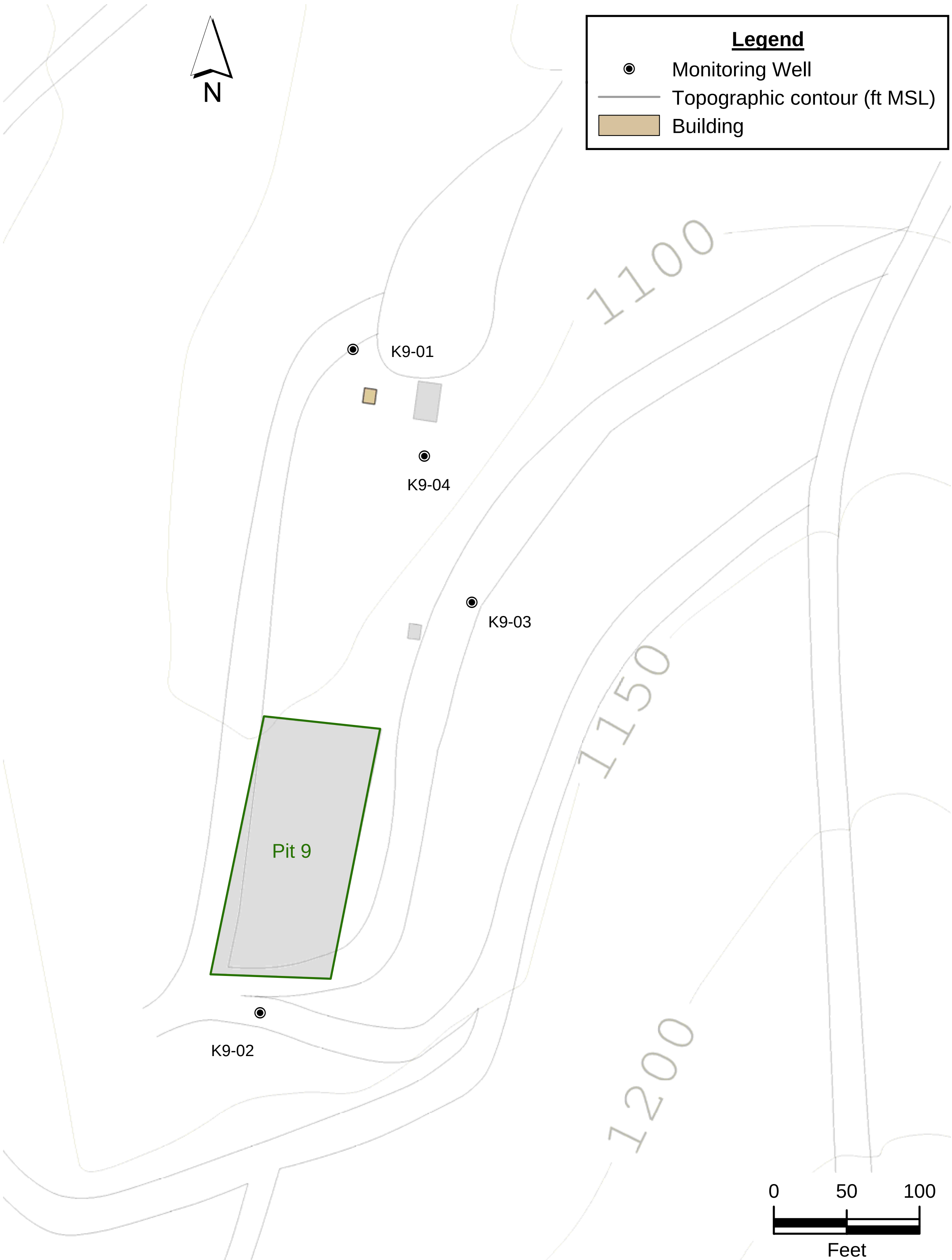

Figure 2.8-7. Building 845 Firing Table and Pit 9 Landfill site map showing monitoring wells.

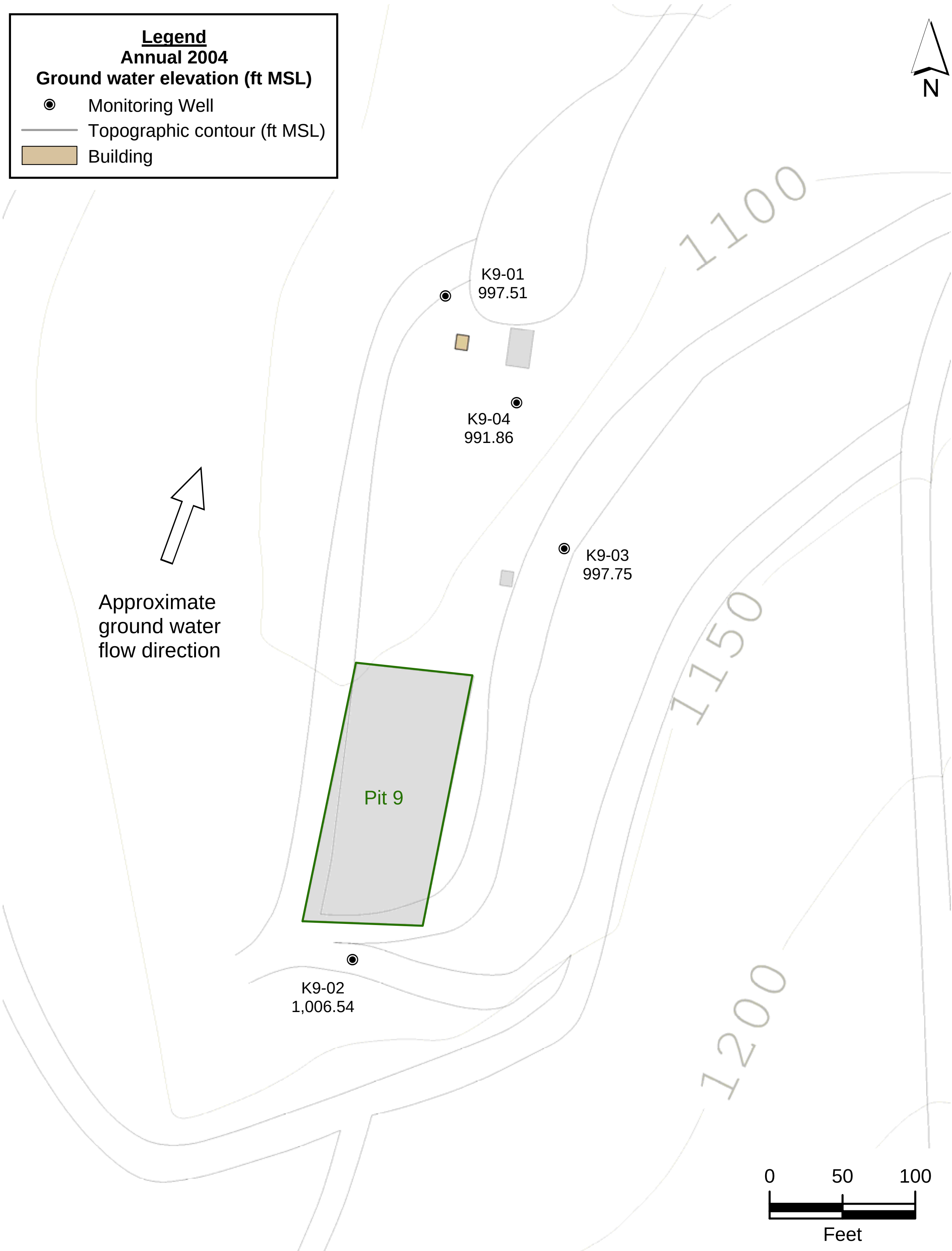

Figure 2.8-8. Building 845 Firing Table and Pit 9 Landfill site map showing ground water elevations and hydraulic gradient direction in the Tnsc$_0$ HSU.

Figure 2.8-9. Building 851 Firing Table site map showing monitoring wells.

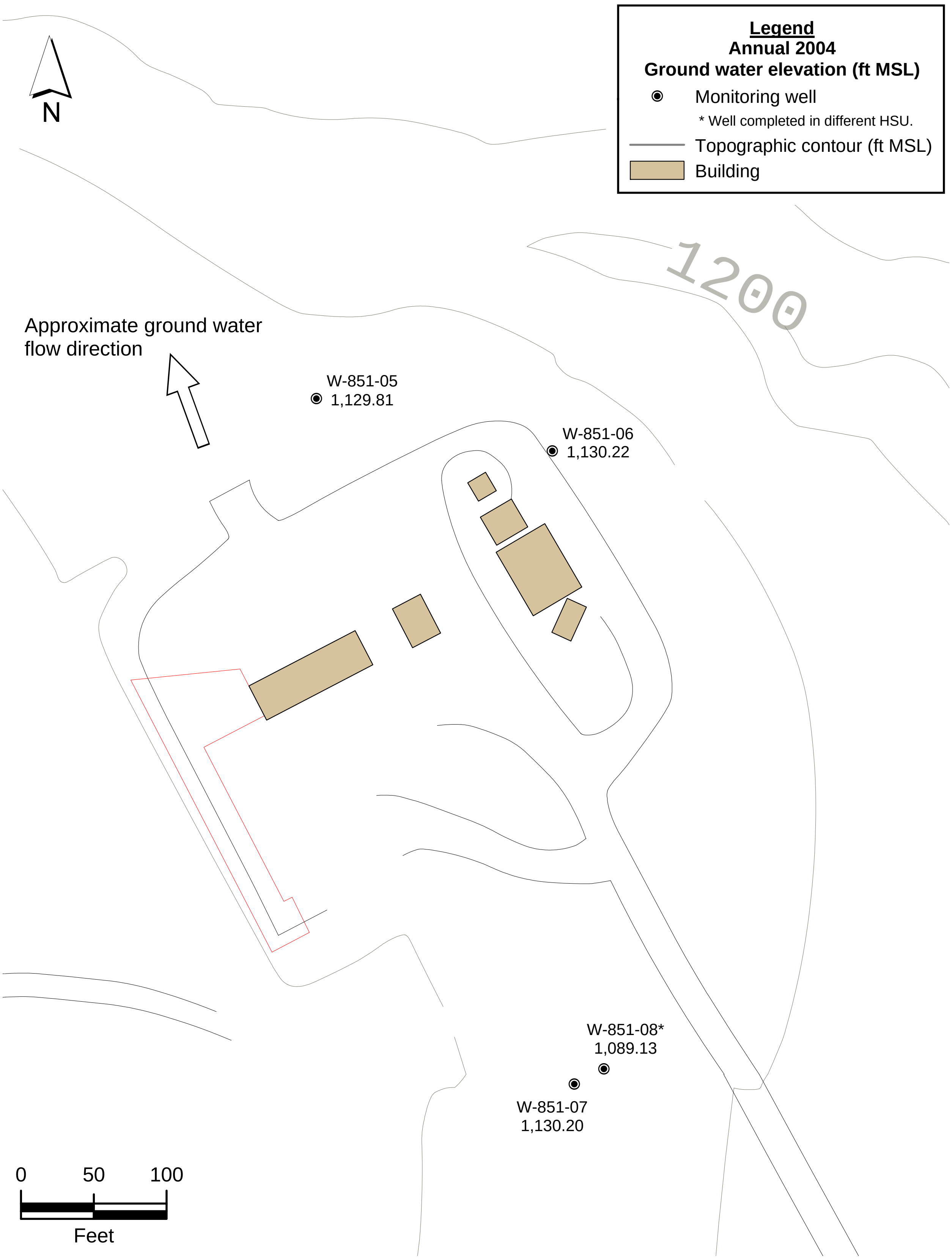

Figure 2.8-10. Building 851 Firing Table site map showing ground water elevations and hydraulic gradient direction in the Tmss HSU.

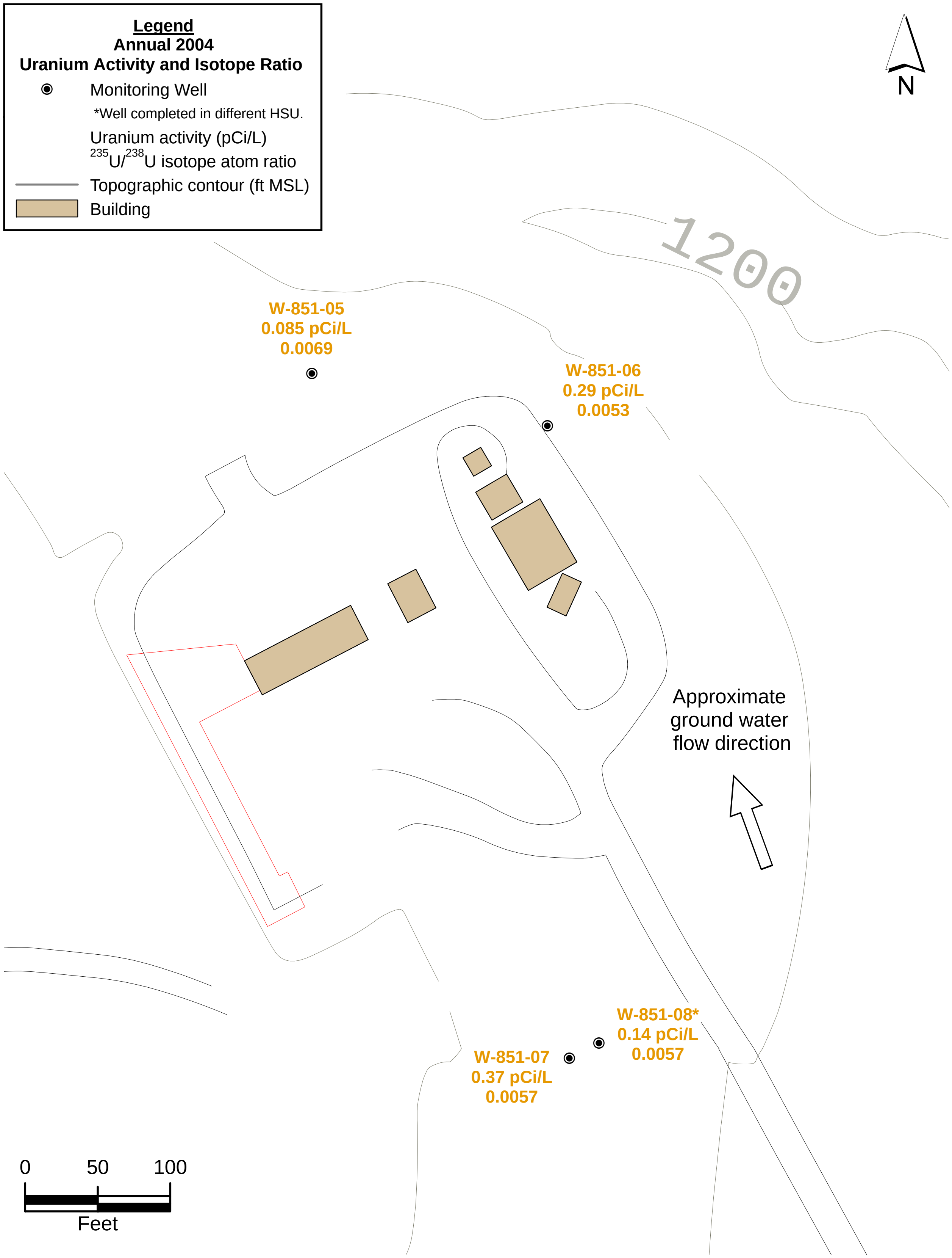

Figure 2.8-11. Building 851 Firing Table site map showing uranium activities and $^{235}U/^{238}U$ isotope atom ratios in ground water samples from Tmss HSU wells.

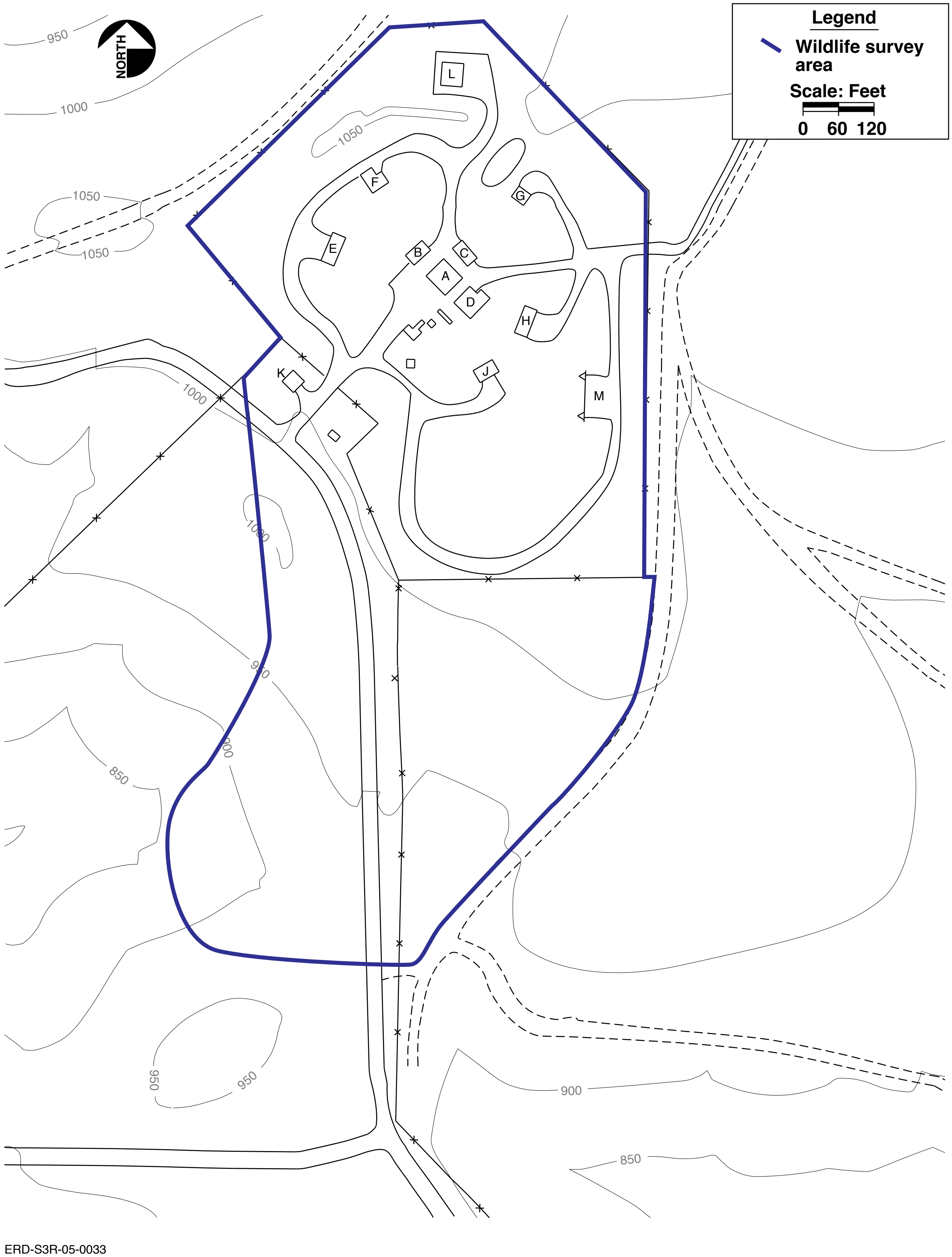

Figure 4.2-1. Area surveyed for important burrowing species at Building 834.

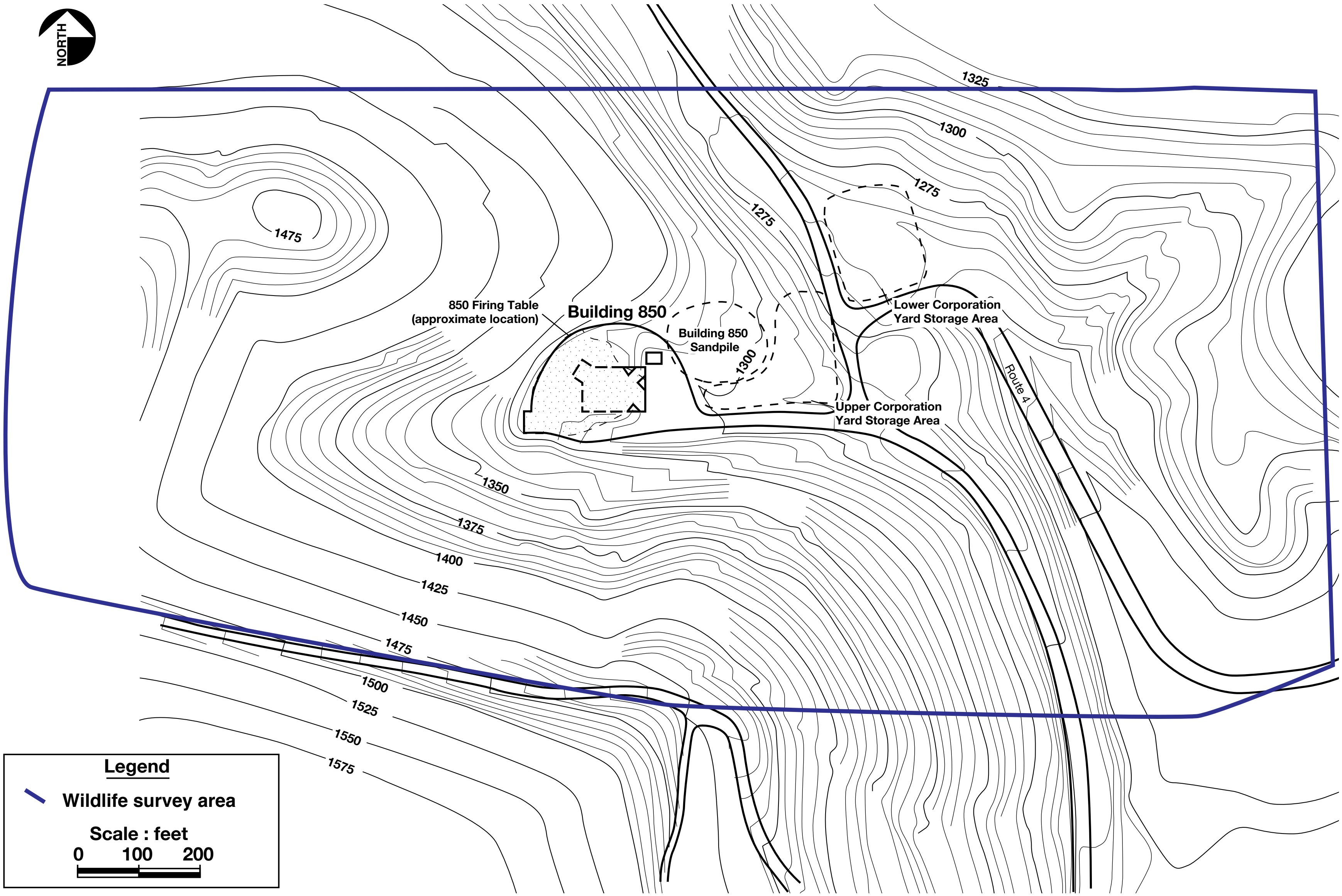

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Figure 4.2-2. Area surveyed for important burrowing species at Building 850.

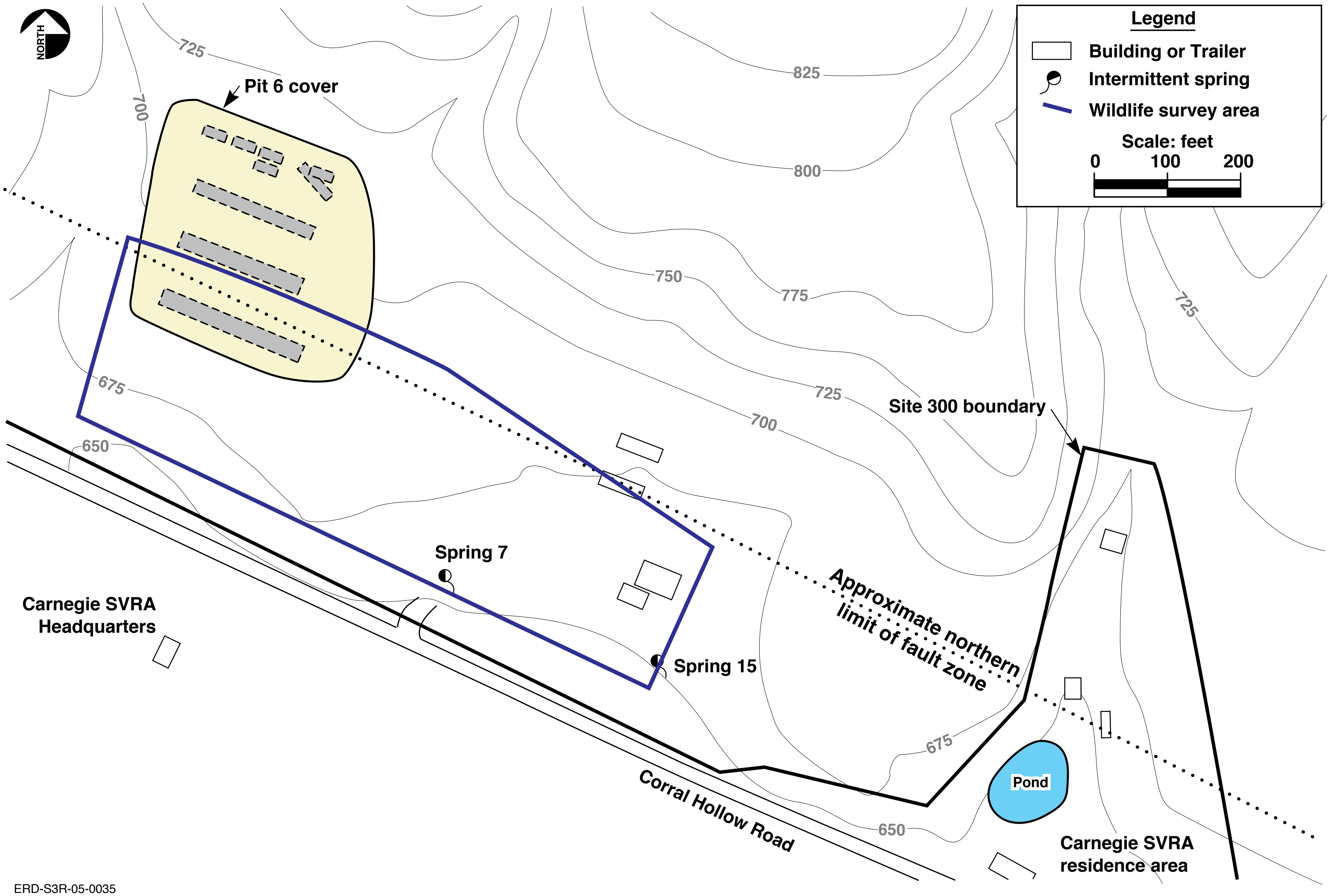


Figure 4.2-3. Area surveyed for important burrowing species at Pit 6.

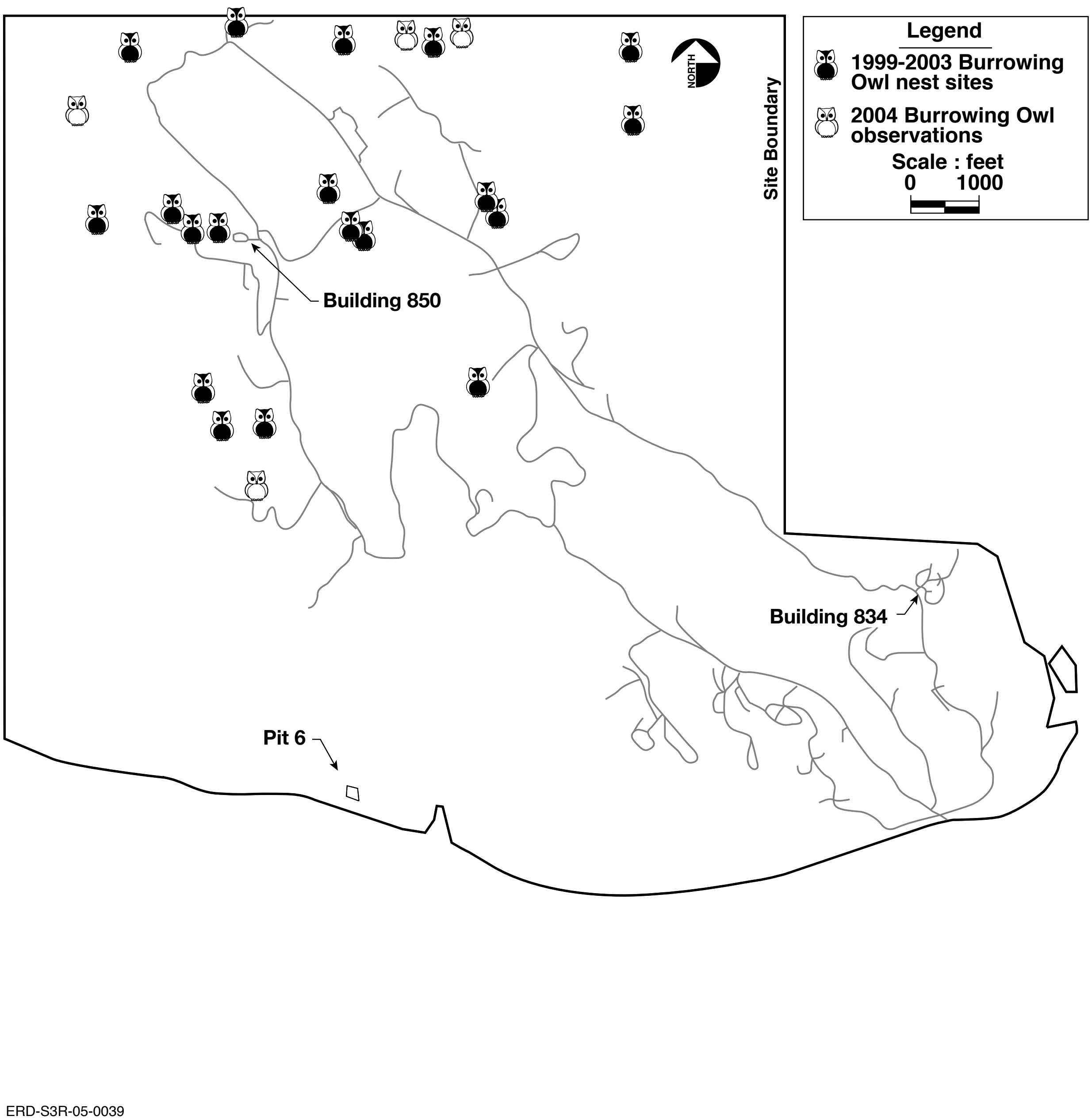
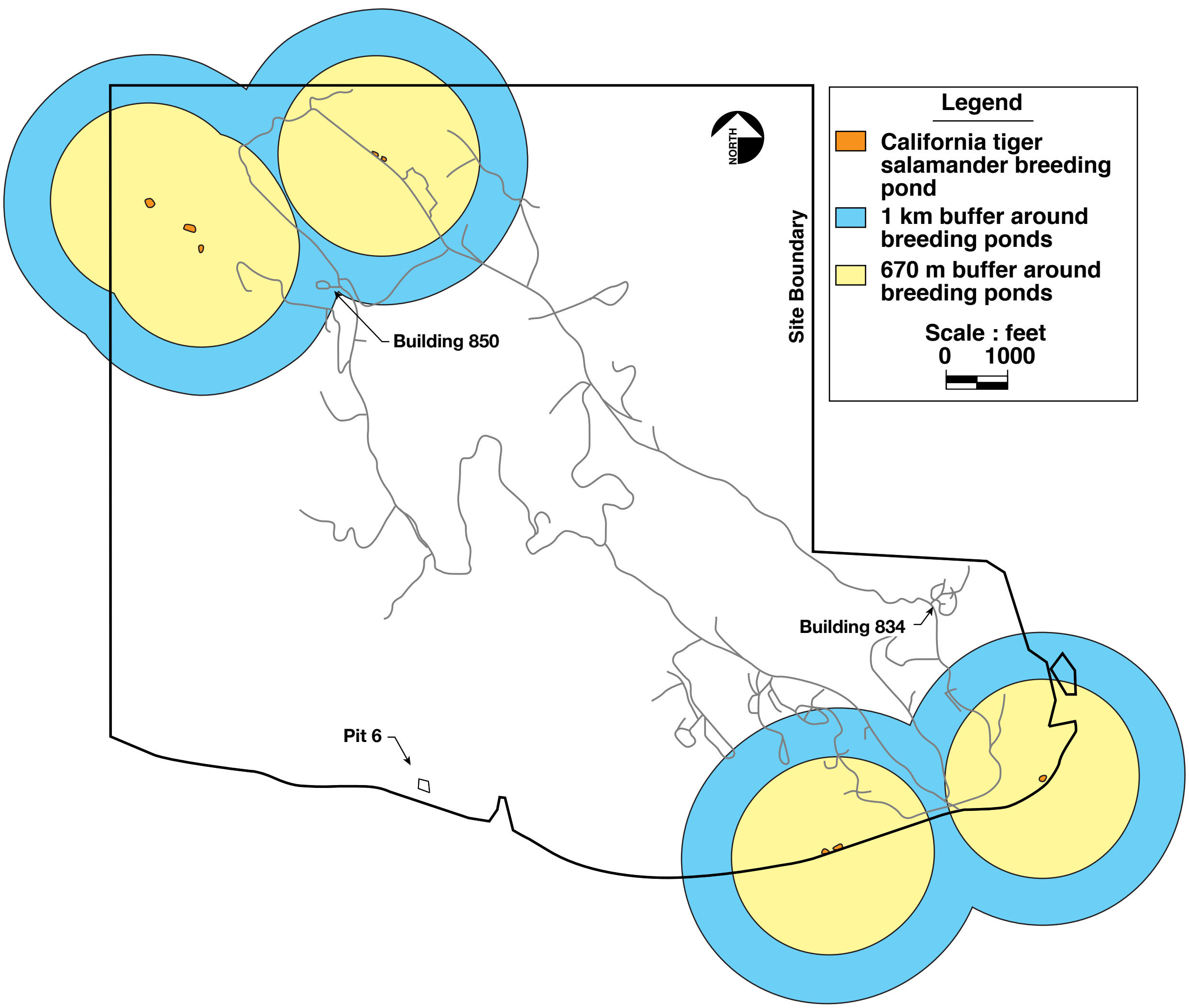


Figure 4.2-4. Locations of burrowing owl nest sites for 1999-2003 and locations of burrowing owl observations in 2004.



ERD-S3R-05-0040

Figure 4.2-5. Locations of California tiger salamander breeding ponds and associated buffer areas.

Tables

Table Summ-1. Mass removed, January 1, 2004 through December 31, 2004.

Treatment facility	Volume of ground water treated (gal)	Volume of soil vapor treated (ft^3)	Estimated total VOC mass removed (g)	Estimated total perchlorate mass removed (g)	Estimated total nitrate mass removed (g)	Estimated total RDX mass removed (g)	Estimated total TBOS mass removed (g)
CGSA GWTS	1,068,960	NA	421	NA	NA	NA	NA
CGSA SVE	NA	1,873,000	188	NA	NA	NA	NA
B834 GWTS	17,311	NA	497	NA	2,969	NA	0.58
B834 SVE	NA	5,556,230	55,710	NA	NA	NA	NA
B815-SRC GWTS	376,716	NA	10.5	28.3	135,602	99.3	NA
B815-PRX GWTS	835,323	NA	99.3	16.6	250,576	NA	NA
B815-DSB GWTS	732,177	NA	25.3	NA	NA	NA	NA
B817-SRC GWTS	4,640	NA	0	0.4	NA	0.8	NA
B854-SRC GWTS	455,368	NA	317	11	91,700	NA	NA
B854-PRX GWTS	228,038	NA	64.3	12	39,900	NA	NA
B832-SRC GWTS	9,922	NA	1.7	0.26	4,846	NA	NA
B832-SRC SVE	NA	0	0	NA	NA	NA	NA
B830-SRC GWTS	28,233	NA	329	0.54	12,589	NA	NA
B830-SRC SVE	NA	65,670	247	NA	NA	NA	NA
B830-PRXN GWTS	285,286	NA	35.3	NA	0	NA	NA
B830-DISS GWTS	614,430	NA	222	2.68	147,944	NA	NA
Total	4,656,404	7,494,900	58,167	71.8	686,126	100	0.58

Notes:

B815 = Building 815.
B830 = Building 830.
B832 = Building 832
B834 = Building 834.
CGSA = Central General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
ft^3 = cubic feet.
g = Grams.
gal = Gallons.
GWTS = Ground water treatment system.
NA = Not applicable.
PRX = Proximal.
PRXN = Proximal north.
RDX= Research Department Explosive.
SRC = Source.
SVE = Soil vapor extraction.
TBOS = Tetra 2-ethylbutylorthosilicate.
VOC = Volatile organic compound.
B817 = Building 817.

Table Summ-2. Summary of cumulative remediation.

Treatment facility	Volume of ground water treated (gal)	Volume of soil vapor treated (ft^3)	Estimated total VOC mass removed (kg)	Estimated total perchlorate mass removed (kg)	Estimated total nitrate mass removed (kg)	Estimated total RDX mass removed (kg)	Estimated total TBOS mass removed (kg)
CGSA GWTS	10,193,617	NA	11.5	NA	NA	NA	NA
CGSA SVE	NA	71,072	53.9	NA	NA	NA	NA
B834 GWTS	262,590	NA	32.3	NA	52.2	NA	9.6
B834 SVE	NA	64,092	164	NA	NA	NA	NA
B815-SRC GWTS	1,622,734	NA	0.04	0.113	539	0.451	NA
B815-PRX GWTS	2,159,842	NA	0.264	0.0495	661	NA	NA
B815-DSB GWTS	3,279,347	NA	0.087	NA	NA	NA	NA
B817-SRC GWTS	5,962	NA	0	0.0005	NA	0.0011	NA
B854-SRC GWTS	3,749,838	NA	3.9	0.086	759	NA	NA
B854-PRX GWTS	952,545	NA	0.327	0.040	155	NA	NA
B832-SRC GWTS	131,803	NA	0.034	0.0046	66.5	NA	NA
B832-SRC SVE	NA	11,903	1.33	NA	NA	NA	NA
B830-SRC GWTS	43,411	NA	0.42	0.0006	15.2	NA	NA
B830-SRC SVE	NA	56.3	0.21	NA	NA	NA	NA
B830-PRXN GWTS	1,419,056	NA	0.193	NA	0	NA	NA
B830-DISS GWTS	1,508,189	NA	0.547	0.01	367	NA	NA
Total	25,328,934	147,123	269	0.304	2,616	0.452	9.6

Notes:

B815 = Building 815.
B830 = Building 830.
B832 = Building 832.
B834 = Building 834.
B854 = Building 854.
CGSA = Central General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
gal = Gallons.
GWTS = Ground water treatment system.
kft^3 = Thousands of cubic feet.
Kg = Kilograms.
Mgal = Millions of gallons.
NA = Not applicable.
PRX = Proximal.
RDX = Research Department Explosive.
SRC = Source.
SVE = Soil vapor extraction.
TBOS = Tetra 2-ethylbutylorthosilicate.
VOC = Volatile organic compound.

Table 1-1. Wells and boreholes installed during 2004.

Well name	Well type	OU	Well installation date	Stratigraphic unit	Drill depth (ft)	Casing depth (ft)	Primary COC(s)	Primary COC sampling frequency	Secondary COC(s)	Secondary COC sampling frequency
W-865-2003	Monitor	NC	01/14/04	$Tnbs_0$	133	127.5	117-127	NC	NC	NC
W-865-2002	Monitor	NC	01/27/04	$Tnbs_0$	95	90	79-89	NC	NC	NC
W-812-2009	Monitor	NC	02/24/04	$Tnbs_1$	287	59	48-58	NC	NC	NC
W-865-2004	Monitor	NC	10/06/04	$Tnbs_1$	261	257	246-256	NC	NC	NC
W-865-2121	Monitor	NC	12/01/04	$Tnbs_1$	361.5	358	347-357	NC	NC	NC

Note:

NC = Non-CMP well/borehole.

Table 2.1-1. Central General Services Area (CGSA) volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Volume of vapor extracted (thousands of ft^3)	Average weekly volume of water treated (gal)
CGSA	July	672	101,569	0[a]	25,392
	August	816	116,987	0[a]	24,086
	September	720	109,686	0[a]	25,593
	October	648	93,995	534	24,369
	November	768	109,922	979	24,045
	December	408	38,380	360	15,804
Total		4,032	570,539	1,873	

[a] CGSA SVE was turned off near the end of 2003 to evaluate soil vapor rebound in the source area and was restarted on October 11, 2004.

Table 2.1-2. Central General Services Area VOCs in ground water treatment system influent and effluent.

Location	Date	Method	TCE µg/L	PCE µg/	Total 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	Freon 11 µg/L	Freon 113 µg/L	Methylene chloride µg/L	Vinyl chloride µg/L
CGSA-GWTS-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CGSA-GWTS-E	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CGSA-GWTS-E	09/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CGSA-GWTS-E	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CGSA-GWTS-E	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CGSA-GWTS-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CGSA-GWTS-I	07/14/04	E601	93 D	11	2.2	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	5.2	<0.5	<1	<0.5
CGSA-GWTS-I	10/06/04	E601	87	3.8	2.3	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	2.7	<0.5	<1	<0.5

Analytes not listed in table above.

Location	Date	Method	Detection frequency	cis-1,2-Dichloroethene (µg/L)
CGSA-GWTS-E	07/14/04	E601	0 of 20	-
CGSA-GWTS-E	08/11/04	E601	0 of 20	-
CGSA-GWTS-E	09/07/04	E601	0 of 20	-
CGSA-GWTS-E	10/06/04	E601	0 of 19	-
CGSA-GWTS-E	11/10/04	E601	0 of 20	-
CGSA-GWTS-E	12/09/04	E601	0 of 20	-
CGSA-GWTS-I	07/14/04	E601	1 of 20	2.2
CGSA-GWTS-I	10/06/04	E601	1 of 19	2.3

Table 2.1-3. Central General Services Area VOCs in soil vapor extraction treatment system influent and effluent.

Location	Date	1,1-Dichloroethene ($ppm_{V/V}$)	cis-1,2-Dichloroethene ($ppm_{V/V}$)	Tetrachloroethene ($ppm_{V/V}$)	Trichloroethene ($ppm_{V/V}$)
CGSA-SVE-I	11/17/04	<0.2	<0.2	<0.2	0.3
CGSA-SVE-I	12/13/04	<0.2	<0.2	<0.2	0.4

Table 2.1-4. Central General Services Area treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
CGSA GWTS			
Influent Port	PTU7-I	VOCs	Quarterly
		pH	Quarterly
Effluent Port	PTU7-E	VOCs	Monthly
		pH	Monthly
Vapor Samples	PTU7-CFI	VOCs	Weekly
	PTU7-CFE	VOCs	Weekly
CGSA SVE System			
Influent Vapor	TF-GSA2-IV	VOCs	Monthly
Effluent Vapor	TF-GSA2-EV	VOCs	Weekly
Intermediate GAC	TF-GSA2-CFV2	VOCs	Monthly

Table 2.1-5. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-35A-01	MWPT	Qal		Q	DIS	E601	1	Y	
W-35A-01	MWPT	Qal	S	Q	CGSA CMP	E601	2	Y	
W-35A-01	MWPT	Qal		Q	DIS	E601	3	Y	
W-35A-01	MWPT	Qal	S	Q	CGSA CMP	E601	4	Y	
W-35A-01	MWPT	Qal	B	B	CGSA CMP	E200.7:Cd	2	N	Next sample required 2ndQ 2005.
W-35A-01	MWPT	Qal	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-35A-02	MWPT	Qal			DIS	E601	1	Y	
W-35A-02	MWPT	Qal	S	S	CGSA CMP	E601	2	Y	
W-35A-02	MWPT	Qal	S	S	CGSA CMP	E601	4	Y	
W-35A-02	MWPT	Qal	B	B	CGSA CMP	E200.7:Zn	2	N	Next sample required 2ndQ 2005.
W-35A-03	MWPT	Qal	S	S	CGSA CMP	E601	2	Y	
W-35A-03	MWPT	Qal	S	S	CGSA CMP	E601	4	Y	
W-35A-04	MWPT	Qal	S	S	CGSA CMP/WGMG	E601	2	Y	
W-35A-04	MWPT	Qal	S	S	CGSA CMP/WGMG	E601	4	Y	
W-35A-04	MWPT	Qal	B	B	CGSA CMP/WGMG	E200.7:Cu	2	N	Next sample required 2ndQ 2005.
W-35A-05	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-35A-05	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-35A-05	MWPT	$Tnbs_2$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-35A-06	MWPT	Qal	S	S	CGSA CMP	E601	2	Y	
W-35A-06	MWPT	Qal	S	S	CGSA CMP	E601	4	Y	
W-35A-07	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-35A-07	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-35A-08	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-35A-08	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-35A-09	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-35A-09	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-35A-10	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 2 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-35A-10	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-35A-11	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-35A-11	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-35A-12	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-35A-12	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-35A-13	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-35A-13	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-35A-14	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-35A-14	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-7A	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7A	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7A	MWPT	$Tnbs_1$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-7B	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7B	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7C	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7C	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7E	MWPT	$Tnbs_1$	S	S	CGSA CMP/WGMG	E601	2	Y	
W-7E	MWPT	$Tnbs_1$			ERD/WGMG	E601	3	Y	
W-7E	MWPT	$Tnbs_1$	S	S	CGSA CMP/WGMG	E601	4	Y	
W-7ES	MWPT	Qal	S	S	CGSA CMP/WGMG	E601	2	Y	
W-7ES	MWPT	Qal			ERD/WGMG	E601	3	Y	
W-7ES	MWPT	Qal	S	S	CGSA CMP/WGMG	E601	4	Y	
W-7F	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-7F	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 3 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-7G	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7G	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7H	MWPT	Qal	S	S	CGSA CMP	E601	2	Y	
W-7H	MWPT	Qal	S	S	CGSA CMP	E601	4	Y	
W-7I	EW	$Tnbs_2$	B		CGSA CMP	E245.2	4	N	Inadvertently left off sampling plan.
W-7I	EW	$Tnbs_2$			DIS	E601	1	Y	
W-7I	EW	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-7I	EW	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-7J	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-7J	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-7K	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7K	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7L	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7L	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7L	MWPT	$Tnbs_1$	B	B	CGSA CMP	E200.7:Cu	2	N	Next sample required 2ndQ 2005.
W-7M	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7M	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7N	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-7N	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-7N	MWPT	$Tnbs_1$	B	B	CGSA CMP	E245.2	2	N	Next sample required 2ndQ 2005.
W-7O	EW	Qal			DIS	E601	1	Y	
W-7O	EW	Qal	S	S	CGSA CMP	E601	2	Y	
W-7O	EW	Qal	S	S	CGSA CMP	E601	4	Y	
W-7O	EW	Qal	B	B	CGSA CMP	E200.7:Cu	2	N	Next sample required 2ndQ 2005.
W-7O	EW	Qal	B	B	CGSA CMP	E200.7:Zn	2	N	Next sample required 2ndQ 2005.
W-7P	MWPT	$Tnbs_1$	Q	Q	CGSA CMP	E601	1	Y	

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 4 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-7P	MWPT	$Tnbs_1$	Q	Q	CGSA CMP	E601	2	Y	
W-7P	MWPT	$Tnbs_1$	Q	Q	CGSA CMP	E601	3	Y	
W-7P	MWPT	$Tnbs_1$	Q	Q	CGSA CMP	E601	4	Y	
W-7PS	MWPT	Qal	Q	Q	CGSA CMP/WGMG	E601	1	Y	
W-7PS	MWPT	Qal	Q	Q	CGSA CMP/WGMG	E601	2	Y	
W-7PS	MWPT	Qal	Q	Q	CGSA CMP/WGMG	E601	3	Y	
W-7PS	MWPT	Qal	Q	Q	CGSA CMP/WGMG	E601	4	Y	
W-7Q	MWPT	$Tnbs_2$		Q	DIS	E601	1	Y	
W-7Q	MWPT	$Tnbs_2$		Q	DIS	E601	2	Y	
W-7Q	MWPT	$Tnbs_2$		Q	DIS	E601	4	Y	
W-7R	MWPT	Qal		Q	DIS	E601	1	Y	
W-7R	MWPT	Qal		Q	DIS	E601	2	Y	
W-7R	MWPT	Qal		Q	DIS	E601	4	Y	
W-7S	MWPT	Qal		Q	DIS	E601	1	Y	
W-7S	MWPT	Qal		Q	DIS	E601	2	Y	
W-7S	MWPT	Qal		Q	DIS	E601	4	Y	
W-7T	MWPT	Qal		Q	DIS	E601	1	Y	
W-7T	MWPT	Qal		Q	DIS	E601	2	Y	
W-7T	MWPT	Qal		Q	DIS	E601	4	Y	
W-843-01	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-843-01	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-843-02	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-843-02	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-872-01	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	N	Insufficient water.

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 5 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-872-01	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Dry.
W-872-01	MWPT	$Tnbs_2$	B	B	CGSA CMP	E200.7:Cu	2	N	Next sample required 2ndQ 2005.
W-872-01	MWPT	$Tnbs_2$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-872-02	EW	$Tnbs_2$			DIS	E601	1	N	Insufficient water.
W-872-02	EW	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-872-02	EW	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Dry.
W-873-01	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	2	Y	
W-873-01	MWPT	$Tnbs_1$	S	S	CGSA CMP	E601	4	Y	
W-873-02	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-873-02	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-873-03	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-873-03	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-873-04	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-873-04	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-873-04	MWPT	$Tnsc_1$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-873-06	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-873-06	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-873-06	MWPT	$Tnbs_2$	B	B	CGSA CMP	E200.7:Cd	2	N	Next sample required 2ndQ 2005.
W-873-07	EW	$Tnbs_2$			DIS	E601	1	N	Insufficient water.
W-873-07	EW	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-873-07	EW	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-875-01	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-875-01	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-875-01	MWPT	$Tnbs_2$	B	B	CGSA CMP	E200.7:Cd	2	N	Next sample required 2ndQ 2005.
W-875-01	MWPT	$Tnbs_2$	B	B	CGSA CMP	E200.7:Cu	2	N	Next sample required 2ndQ 2005.
W-875-01	MWPT	$Tnbs_2$	B	B	CGSA CMP	E200.7:Zn	2	N	Next sample required 2ndQ 2005.

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 6 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-875-01	MWPT	$Tnbs_2$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-875-02	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-875-02	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-875-03	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-875-03	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-875-04	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-875-04	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-875-04	MWPT	$Tnbs_2$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-875-05	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-875-05	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-875-06	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-875-06	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-875-07	EW	$Tnbs_2$			DIS	E601	1	Y	
W-875-07	EW	$Tnbs_2$			DIS	E239.2	1	Y	
W-875-07	EW	$Tnbs_2$	B	B	CGSA CMP	E239.2	2	Y	
W-875-07	EW	$Tnbs_2$			DIS	E239.2	3	Y	
W-875-07	EW	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-875-07	EW	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Insufficient water.
W-875-08	EW	$Tnbs_2$			DIS	E601	1	Y	
W-875-08	EW	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-875-08	EW	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-875-09	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	N	Insufficient water.
W-875-09	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Insufficient water.
W-875-10	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	N	Insufficient water.
W-875-10	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Insufficient water.

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 7 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-875-10	MWPT	$Tnbs_2$	B	B	CGSA CMP	E200.7:Ba	2	N	Next sample required 2ndQ 2005.
W-875-10	MWPT	$Tnbs_2$	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-875-11	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-875-11	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Insufficient water.
W-875-15	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	N	Insufficient water.
W-875-15	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	N	Insufficient water.
W-876-01	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	2	Y	
W-876-01	MWPT	$Tnbs_2$	S	S	CGSA CMP	E601	4	Y	
W-879-01	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-879-01	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-889-01	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	2	Y	
W-889-01	MWPT	$Tnsc_1$	S	S	CGSA CMP	E601	4	Y	
W-CGSA-1732	MWPT	Qal		A	DIS	E601	1	N	Insufficient water.
W-CGSA-1733	MWPT	Qal		S	DIS	E601	2	Y	
W-CGSA-1733	MWPT	Qal		S	DIS	E601	4	Y	
W-CGSA-1735	MWPT	Qal		A	DIS	E601	1	N	Insufficient water.
W-CGSA-1736	MWPT	Qal		S	DIS	E601	2	Y	
W-CGSA-1736	MWPT	Qal		S	DIS	E601	4	Y	
W-CGSA-1737	MWPT	Qal		S	DIS	E601	2	Y	
W-CGSA-1737	MWPT	Qal		S	DIS	E601	4	Y	
W-CGSA-1739	MWPT	Qal		S	DIS	E601	2	Y	
W-CGSA-1739	MWPT	Qal		S	DIS	E601	4	Y	
W-35A-01	MWPT	Qal		Q	DIS	E601	1	Y	
W-35A-01	MWPT	Qal	S	Q	CGSA CMP	E601	2	Y	
W-35A-01	MWPT	Qal		Q	DIS	E601	3	Y	
W-35A-01	MWPT	Qal	S	Q	CGSA CMP	E601	4	Y	

Table 2.1-5. Central General Services Area ground water sampling and analysis plan. (Cont. Page 8 of 8)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-35A-01	MWPT	Qal	B	B	CGSA CMP	E200.7:Cd	2	N	Next sample required 2ndQ 2005.
W-35A-01	MWPT	Qal	B	B	CGSA CMP	E239.2	2	N	Next sample required 2ndQ 2005.
W-35A-02	MWPT	Qal			DIS	E601	1	Y	
W-35A-02	MWPT	Qal	S	S	CGSA CMP	E601	2	Y	

[a] See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.

Table 2.1-6. Central General Services Area (CGSA) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	GWTS VOC mass removed (g)	SVE VOC mass removed (g)
CGSA	July	43.4	0[a]
	August	50.0	0[a]
	September	46.9	0[a]
	October	34.6	121.1
	November	40.4	44.7
	December	14.1	21.8
Total		229.4	187.6

[a] CGSA SVE was turned off near the end of 2003 to evaluate soil vapor rebound in the source area and was restarted on October 11, 2004.

Table 2.2-1. Building 834 OU volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours (GWTS/SVE)	Volume of ground water discharged (gal)	Volume of vapor extracted (thousands of ft^3)	Average weekly volume of water treated (gal)
TF834	July	0	0	0	0
	August	0	0	0	0
	September	62/0[a]	368	0	15.5
	October	346.5/346.5	7,199	1,714	1,800
	November	784.4/784.4	8,942	3,723	2,236
	December	504/24[b]	802	119	160
Total		1,697/1,155	17,311	5,556	1,053

[a] Hours for GWTS only; SVE not operated

[b] GWTS operated 504 hours; SVE operated 24 hours.

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

Location	Date	Method	TCE μg/L	PCE μg/L	Total 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	Freon 11 μg/L	Freon 113 μg/L	Methylene chloride μg/L	Vinyl chloride μg/L
B834-GWTS-I	10/01/04	E601	4,600 D	40	480 D	<0.5	1.3	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<1	2.2
B834-GWTS-I	10/04/04	E601	4,800 D	36	590 D	<0.5	1.3	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<1	2.5
B834-GWTS-I	10/05/04	E601	5,400 D	47	450 D	<0.5	1.7	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<1	1.6
B834-GWTS-I	10/14/04	E601	6,600 D	110 D	440 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5D	<3 D
B834-GWTS-I	10/29/04	E601	6,000 D	38	470 D	<0.5	1.6	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	10/01/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	10/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	10/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	10/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	10/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	11/22/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B834-GWTS-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Analytes not listed in table above.

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
B834-GWTS-I	10/01/04	E601	3 of 21	1.4	480 D	0.82
B834-GWTS-I	10/04/04	E601	3 of 21	1.4	590 D	0.97
B834-GWTS-I	10/05/04	E601	3 of 21	2.1	450 D	1
B834-GWTS-I	10/14/04	E601	1 of 21	–	440 D	–
B834-GWTS-I	10/29/04	E601	3 of 21	2.7	470 D	0.8
B834-GWTS-E	10/01/04	E601	0 of 21	–	–	–
B834-GWTS-E	10/04/04	E601	0 of 21	–	–	–
B834-GWTS-E	10/05/04	E601	0 of 21	–	–	–
B834-GWTS-E	10/14/04	E601	0 of 21	–	–	–
B834-GWTS-E	10/29/04	E601	0 of 21	–	–	–
B834-GWTS-E	11/22/04	E601	0 of 21	–	–	–
B834-GWTS-E	12/09/04	E601	0 of 21	–	–	–

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

Location	Date	Nitrate (as NO_3) (mg/L)
B834-GWTS-I	10/01/04	34.9
B834-GWTS-I	10/04/04	37.7
B834-GWTS-I	10/05/04	56.3
B834-GWTS-I	10/14/04	67.2
B834-GWTS-I	10/29/04	67.4
B834-GWTS-E	10/01/04	0.74
B834-GWTS-E	10/04/04	<0.44
B834-GWTS-E	10/05/04	<0.44
B834-GWTS-E	10/14/04	30.8
B834-GWTS-E	10/29/04	43.2
B834-GWTS-E	11/22/04	50.5
B834-GWTS-E	12/09/04	51.1

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

Location	Date	Diesel range organics (C12-C24) (μg/L)
B834-GWTS-I	10/01/04	120 GB
B834-GWTS-I	10/04/04	120 GB
B834-GWTS-I	10/05/04	110 GB
B834-GWTS-I	10/14/04	<50
B834-GWTS-I	10/29/04	<50
B834-GWTS-E	10/01/04	<50
B834-GWTS-E	10/04/04	62 GB
B834-GWTS-E	10/05/04	<50
B834-GWTS-E	10/14/04	<50
B834-GWTS-E	10/29/04	<50
B834-GWTS-E	11/22/04	<50
B834-GWTS-E	12/09/04	<50

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

Location	Date	TBOS (μg/L)
B834-GWTS-I	10/01/04	17
B834-GWTS-I	10/04/04	37
B834-GWTS-I	10/05/04	23
B834-GWTS-I	10/14/04	<1
B834-GWTS-I	10/29/04	1.3
B834-GWTS-E	10/01/04	<1
B834-GWTS-E	10/04/04	<1
B834-GWTS-E	10/05/04	<1
B834-GWTS-E	10/14/04	<1
B834-GWTS-E	10/29/04	<1
B834-GWTS-E	11/22/04	<1
B834-GWTS-E	12/09/04	<1

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

Sample location	Sample identification	Parameter	Frequency
B834 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
B834 SVE			
Influent Port	TF-834-VI	No CMP requirements	NA
Effluent Port	TF-834-VE	VOCs	Weekly[a]

[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.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-1709	MWPT	Tpsg	A	A	CMP	E300.0:NO3	3	Y	
W-834-1709	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1709	MWPT	Tpsg			DIS	E601	2	Y	
W-834-1709	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1709	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-1709	MWPT	Tpsg			DIS	TBOS	2	Y	
W-834-1709	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-1709	MWPT	Tpsg	A	A	CMP	E300.0:NO3	3	Y	
W-834-1709	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1709	MWPT	Tpsg			DIS	E601	2	Y	
W-834-1709	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1711	MWPT	Tps			DIS	E601	4	Y	
W-834-1711	MWPT	Tps	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-1711	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-834-1711	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-1711	MWPT	Tps			DIS	E601	2	Y	
W-834-1711	MWPT	Tps			DIS	E601	4	Y	
W-834-1711	MWPT	Tps	S	S	CMP	E601	3	Y	
W-834-1711	MWPT	Tps	A	A	CMP	TBOS	1	Y	
W-834-1711	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-834-1711	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-1711	MWPT	Tps			DIS	E601	2	Y	
W-834-1711	MWPT	Tps			DIS	E601	4	Y	
W-834-1712	MWPT	Tps	S	S	CMP	E601	3	Y	
W-834-1712	MWPT	Tps	A	A	CMP	TBOS	1	Y	
W-834-1712	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-834-1712	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-1712	MWPT	Tps			DIS	E601	2	Y	
W-834-1824	MWPT	Tpsg			DIS	E601	4	Y	
W-834-1824	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1824	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-1824	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 2 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-1824	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1824	MWPT	Tpsg			DIS	E601	2	Y	
W-834-1824	MWPT	Tpsg			DIS	E624	4	Y	
W-834-1824	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1824	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-1824	MWPT	Tpsg			DIS	EM8015:DIESEL	2	Y	
W-834-1824	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-1824	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-1824	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1824	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1825	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-1825	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-1825	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-1825	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1825	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-1825	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-1825	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-1825	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-1825	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-1825	MWPT	Tpsg			DIS	E601	4	Y	
W-834-1825	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-1825	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-1825	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-1825	MWPT	Tpsg	S	S	CMP	E601	1	N	Insufficient water.
W-834-1825	MWPT	Tpsg			DIS	E601	4	Y	
W-834-1825	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-1825	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-1825	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-1833	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-1833	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 3 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-1833	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-1833	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1833	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-1833	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-1833	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-1833	MWPT	Tpsg		A	DIS	E8330:R+H	1	Y	
W-834-1833	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-1833	MWPT	Tpsg		A	DIS	GENMIN	1	Y	
W-834-1833	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-A1	MWPT	Tps	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-A1	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-A1	MWPT	Tps	S	S	CMP	E601	3	Y	
W-834-A1	MWPT	Tps	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-A1	MWPT	Tps	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-A1	MWPT	Tps	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-A1	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-A2	MWPT	Tpsg	S	S	CMP	E601	3	N	Insufficient water.
W-834-A2	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-A2	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-A2	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-A2	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-B2	EW	Tpsg			DIS	E601	4	Y	
W-834-B2	EW	Tpsg	S	S	CMP	E601	3	N	Insufficient water.
W-834-B2	EW	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-B2	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-B2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-B2	EW	Tpsg	S	S	CMP	E601	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 4 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-B2	EW	Tpsg			DIS	E601	4	Y	
W-834-B2	EW	Tpsg			DIS	TBOS	4	Y	
W-834-B2	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-B2	EW	Tpsg	A	Q	CMP	TBOS	1	Y	
W-834-B2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-B3	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-B3	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-B3	EW	Tpsg	A	Q	CMP	TBOS	1	Y	
W-834-B3	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-B3	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-B3	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-B3	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-B3	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-B3	EW	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-B3	EW	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-B4	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-B4	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-B4	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-B4	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-B4	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-B4	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-C2	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-C2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-C2	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-C2	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-C2	EW	Tpsg	A	A	CMP	TBOS	3	Y	
W-834-C2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-C2	EW	Tpsg	A	A	CMP	E601	1	N	Dry.
W-834-C2	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-C2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-C2	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-C2	EW	Tpsg	S	S	CMP	E601	3	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 5 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-C4	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-C4	MWPT	Tpsg			DIS	E601	4	Y	
W-834-C4	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-C4	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-C4	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-C4	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-C5	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-C5	MWPT	Tpsg			DIS	E601	4	Y	
W-834-C5	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-C5	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	3	Y	
W-834-C5	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-C5	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-C5	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-C5	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D10	MWPT	Tps			DIS	E601	4	Y	
W-834-D10	MWPT	Tps			DIS	TBOS	4	Y	
W-834-D10	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-834-D10	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-D10	MWPT	Tps			DIS	E601	4	Y	
W-834-D11	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D11	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D11	EW	Tpsg	A	A	CMP	EM8015:DIESEL	3	Y	
W-834-D11	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D11	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D11	EW	Tpsg			DIS	E601	4	Y	
W-834-D11	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D11	EW	Tpsg			DIS	EM8015:DIESEL	3	Y	
W-834-D11	EW	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-D12	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D12	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D12	EW	Tpsg	A	A	CMP	E601	1	N	Dry.
W-834-D12	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 6 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-D12	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D12	EW	Tpsg	A	A	CMP	E601	1	N	Dry.
W-834-D13	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-D13	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-D13	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D13	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D13	EW	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-D13	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D13	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D13	EW	Tpsg			DIS	E601	4	Y	
W-834-D13	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D13	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D14	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D14	EW	Tpsg			DIS	E601	4	Y	
W-834-D14	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D14	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D14	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D14	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-D14	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D14	EW	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-D14	EW	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-D14	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D15	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-D15	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-D15	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-D15	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-D15	MWPT	Tpsg		S	DIS	E218.2	1	Y	
W-834-D15	MWPT	Tpsg		S	DIS	E218.2	3	Y	
W-834-D16	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D16	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-D16	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-D16	MWPT	Tpsg		A	DIS	GENMIN	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 7 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-D16	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D17	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D17	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-D17	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-D17	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-D17	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D18	MWPT	Tpsg			DIS	E601	4	Y	
W-834-D18	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-D18	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-D18	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-D18	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-D2	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D2	MWPT	$Tnbs_1$	S	S	CMP	E601	1	N	Dry.
W-834-D2	MWPT	$Tnbs_1$	S	S	CMP	E601	3	N	Dry.
W-834-D2	MWPT	$Tnbs_1$	A	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-D2	MWPT	$Tnbs_1$	A	A	CMP	TBOS	1	N	Dry.
W-834-D3	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D3	EW	Tpsg			DIS	E601	4	Y	
W-834-D3	EW	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-D3	EW	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-D3	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-D3	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D3	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D3	EW	Tpsg			DIS	E601	4	Y	
W-834-D3	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D3	EW	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-D4	EW	Tpsg		A	DIS	E218.2	1	Y	
W-834-D4	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D4	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D4	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D4	EW	Tpsg	A	A	CMP	TBOS	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 8 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-D4	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D4	EW	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-D4	EW	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-D4	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-D4	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D5	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D5	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D5	EW	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-D5	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D5	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D5	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D5	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D5	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D5	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D5	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D6	EW	Tpsg		S	DIS	E602	1	Y	
W-834-D6	EW	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-D6	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D6	EW	Tpsg			DIS	E218.2	4	Y	
W-834-D6	EW	Tpsg		S	DIS	E218.2	1	Y	
W-834-D6	EW	Tpsg		S	DIS	E218.2	3	Y	
W-834-D6	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-D6	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-D6	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-D6	EW	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-D7	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-D7	EW	Tpsg	S	S	CMP	E300.0:NO3	1	Y	
W-834-D7	EW	Tpsg	S	S	CMP	E300.0:NO3	3	Y	
W-834-D7	EW	Tpsg	Q	Q	CMP	E601	1	Y	
W-834-D7	EW	Tpsg	Q	Q	CMP	E601	2	Y	
W-834-D7	EW	Tpsg	Q	Q	CMP	E601	3	Y	
W-834-D7	EW	Tpsg	Q	Q	CMP	E601	4	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 9 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-D7	EW	Tpsg	S	S	CMP	TBOS	1	Y	
W-834-D7	EW	Tpsg	S	S	CMP	TBOS	3	Y	
W-834-D7	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D9A	MWPT	$Tnbs_2$	S	S	CMP	E601	1	N	Dry.
W-834-D9A	MWPT	$Tnbs_2$	S	S	CMP	E601	3	N	Dry.
W-834-D9A	MWPT	$Tnbs_2$	A	A	CMP	TBOS	1	N	Dry.
W-834-D9A	MWPT	$Tnbs_2$		A	DIS	E218.2	1	Y	
W-834-D9A	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-834-G3	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-G3	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-G3	MWPT	Tpsg		A	DIS	GENMIN	1	Y	
W-834-G3	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-G3	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-H2	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-H2	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-H2	EW	Tpsg		A	DIS	GENMIN	1	Y	
W-834-H2	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-H2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-H2	EW	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-H2	EW	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-H2	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-H2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-H2	EW	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-J1	EW	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-J1	EW	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-J1	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-J1	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-J1	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-J1	EW	Tpsg		A	DIS	GENMIN	1	Y	
W-834-J1	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-J1	EW	Tpsg	S	S	CMP	E300.0:NO3	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 10 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-J1	EW	Tpsg	S	S	CMP	E300.0:NO3	3	Y	
W-834-J1	EW	Tpsg	Q	Q	CMP	E601	1	Y	
W-834-J2	EW	Tpsg	Q	Q	CMP	E601	2	Y	
W-834-J2	EW	Tpsg	Q	Q	CMP	E601	3	Y	
W-834-J2	EW	Tpsg	Q	Q	CMP	E601	4	Y	
W-834-J2	EW	Tpsg	S	S	CMP	TBOS	1	Y	
W-834-J2	EW	Tpsg	S	S	CMP	TBOS	3	Y	
W-834-J2	EW	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-J2	EW	Tpsg	S	S	CMP	E601	1	Y	
W-834-J2	EW	Tpsg	S	S	CMP	E601	3	Y	
W-834-J2	EW	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-J3	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-J3	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-J3	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-J3	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-J3	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-K1A	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-K1A	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-K1A	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-K1A	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-K1A	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-M1	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-M1	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.
W-834-M1	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-M1	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-M1	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-M1	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-M1	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-M2	MWPT	Tpsg	A	A	CMP	E300.0:NO3	3	Y	
W-834-M2	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-M2	MWPT	Tpsg			DIS	E601	2	Y	
W-834-M2	MWPT	Tpsg	S	S	CMP	E601	3	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 11 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-M2	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-S1	MWPT	Tpsg			DIS	TBOS	2	Y	
W-834-S1	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-S1	MWPT	Tpsg	A	A	CMP	E300.0:NO3	3	Y	
W-834-S1	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S1	MWPT	Tpsg			DIS	E601	2	Y	
W-834-S1	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-S10	MWPT	Tpsg			DIS	E601	4	Y	
W-834-S10	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-S10	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-S10	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S10	MWPT	Tpsg			DIS	E601	2	Y	
W-834-S12A	MWPT	Tpsg			DIS	E601	4	Y	
W-834-S12A	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-S12A	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-S12A	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-S12A	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S12A	MWPT	Tpsg			DIS	E601	2	Y	
W-834-S13	MWPT	Tpsg			DIS	E601	4	Y	
W-834-S13	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-S13	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-S13	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-S13	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S13	MWPT	Tpsg			DIS	E601	2	Y	
W-834-S13	MWPT	Tpsg			DIS	E601	4	Y	
W-834-S4	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-S4	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-S4	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-S4	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S4	MWPT	Tpsg			DIS	E601	2	Y	
W-834-S5	MWPT	Tpsg			DIS	E624	4	Y	
W-834-S5	MWPT	Tpsg	S	S	CMP	E601	3	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 12 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-S5	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-S5	MWPT	Tpsg			DIS	EM8015:DIESEL	2	Y	
W-834-S5	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-S6	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-S6	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S6	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-S6	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-S6	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-S7	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-S7	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-S7	MWPT	Tpsg	S	S	CMP	E601	3	N	Dry.
W-834-S7	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-S8	MWPT	$Tnsc_2$	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-S8	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S8	MWPT	$Tnsc_2$	S	S	CMP	E601	1	N	Dry.
W-834-S8	MWPT	$Tnsc_2$			DIS	E601	4	Y	
W-834-S8	MWPT	$Tnsc_2$	S	S	CMP	E601	3	N	Dry.
W-834-S8	MWPT	$Tnsc_2$	A	A	CMP	TBOS	1	N	Dry.
W-834-S8	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	1	Y	
W-834-S8	MWPT	$Tnsc_2$	S	S	CMP	E601	1	N	Insufficient water.
W-834-S8	MWPT	$Tnsc_2$			DIS	E601	4	Y	
W-834-S9	MWPT	$Tnsc_2$	S	S	CMP	E601	3	N	Dry.
W-834-S9	MWPT	$Tnsc_2$	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-S9	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S9	MWPT	$Tnsc_2$	S	S	CMP	E601	1	N	Dry.
W-834-S9	MWPT	$Tnsc_2$	S	S	CMP	E601	3	N	Dry.
W-834-S9	MWPT	$Tnsc_2$	A	A	CMP	TBOS	1	N	Dry.
W-834-S9	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-T1	GW	$Tnbs_1$	S	S	CMP	E601	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 13 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-T1	GW	$Tnbs_1$	S	S	CMP	E601	3	N	Dry.
W-834-T1	GW	$Tnbs_1$	A	A	CMP	TBOS	1	Y	
W-834-T1	GW	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-834-T1	GW	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-834-T1	GW	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-834-T1	GW	$Tnbs_1$	A	A	CMP	TBOS	1	Y	
W-834-T1	GW	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-834-T1	GW	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-834-T1	GW	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-834-T1	GW	$Tnbs_1$		A	DIS	E8330:R+H	1	Y	
W-834-T11	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-T11	MWPT	Tpsg		A	DIS	GENMIN	1	Y	
W-834-T11	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-T11	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-T11	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T2	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-T2	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-T2	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Insufficient water.
W-834-T2	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-T2	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T2	MWPT	Tpsg	S	S	CMP	E601	3	N	Insufficient water.
W-834-T2	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-T2	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-T2A	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-T2A	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T2A	MWPT	Tpsg			DIS	E601	4	Y	
W-834-T2A	MWPT	Tpsg	S	S	CMP	E601	3	N	Insufficient water.
W-834-T2A	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	1	Y	
W-834-T2A	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-T2A	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 14 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-T2B	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T2B	MWPT	Tpsg			DIS	E601	4	Y	
W-834-T2B	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-T2B	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-T2B	MWPT	Tpsg	A	Q	CMP	TBOS	1	Y	
W-834-T2C	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-T2C	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T2C	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-T2C	MWPT	Tpsg	A	Q	CMP	TBOS	1	Y	
W-834-T2C	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-T2D	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T2D	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-T2D	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-T2D	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T2D	MWPT	Tpsg	S	S	CMP	E601	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	S	S	CMP	E601	3	N	Dry.
W-834-T3	GW	$Tnbs_1$	A	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	A	A	CMP	TBOS	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	S	S	CMP	E601	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	S	S	CMP	E601	3	N	Dry.
W-834-T3	GW	$Tnbs_1$	A	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	A	A	CMP	TBOS	1	N	Dry.
W-834-T3	GW	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-834-T3	GW	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-834-T3	GW	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-834-T5	MWPT	Tpsg	A	A	CMP	TBOS	3	Y	
W-834-T5	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T5	MWPT	Tpsg	A	A	CMP	E601	1	N	Dry.
W-834-T5	MWPT	Tpsg	A	A	CMP	TBOS	1	N	Dry.

Table 2.2-7. Building 834 OU ground water sampling and analysis plan. (Cont. Page 15 of 15)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-834-T5	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-T7A	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T7A	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-T7A	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-T7A	MWPT	Tpsg			DIS	E601	4	Y	
W-834-T7A	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-T8A	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-T8A	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T8A	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-T8A	MWPT	Tpsg	A	A	CMP	TBOS	1	Y	
W-834-T8A	MWPT	Tpsg			DIS	E601	4	Y	
W-834-T9	MWPT	Tpsg			DIS	TBOS	4	Y	
W-834-T9	MWPT	Tpsg	A	A	CMP	EM8015:DIESEL	3	Y	
W-834-T9	MWPT	Tpsg	A	A	CMP	E300.0:NO3	1	Y	
W-834-T9	MWPT	Tpsg	S	S	CMP	E601	1	Y	
W-834-T9	MWPT	Tpsg	S	S	CMP	E601	3	Y	
W-834-U1	MWPT	Tps	A	A	CMP	TBOS	1	Y	
W-834-U1	MWPT	Tps			DIS	E601	4	Y	
W-834-U1	MWPT	Tps			DIS	TBOS	4	Y	
W-834-U1	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-834-U1	MWPT	Tps	S	S	CMP	E601	1	Y	
W-834-U1	MWPT	Tps			DIS	E601	4	Y	
W-834-U1	MWPT	Tps	S	S	CMP	E601	3	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.

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.**

Table 2.2-8. Building 834 OU mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	GWTS VOC mass removed (g)	GWTS TBOS mass removed (g)	GWTS nitrate mass removed (g)	SVE VOC mass removed (g)
TF834	July	0	0	0	0
	August	0	0	0	0
	September	11.9	0.05	47	0
	October	209	0.23	1,302	22,730
	November	253	0.27	1,486	31,930
	December	23.3	0.03	134	1,050
Total		497	0.58	2,969	55,710

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
BC6-10	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
BC6-10	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
BC6-10	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
BC6-10	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
BC6-10	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
BC6-10	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	A	CMP	E601	1	N	Insufficient water. Changed to annual due to continued lack of water.
BC6-13 (SPRING 7)	MWPT	$Qt/Tnbs_1$	A	A	CMP	E906	1	N	Insufficient water. Changed to annual due to continued lack of water.
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:NO3	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 2 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E300.0:PERC	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	3	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E601	4	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E906	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E906	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E906	1	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E906	2	Y	
CARNRW1	WS	$Tnbs_1/Tmss$	M	M	CMP	E906	2	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 3 of 18)

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

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 4 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	3	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	4	Y	
CARNRW2	WS	$Tnbs_1$/Tmss	M	M	CMP/WGMG	E906	4	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 5 of 18)

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

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 6 of 18)

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

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 7 of 18)

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

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 8 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	1	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	1	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	1	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	2	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	2	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	2	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	3	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	3	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	3	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	M	CMP	E906	4	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E624	1	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E624	2	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E624	3	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E624	4	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E906	1	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E906	2	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E906	3	Y	
EP6-06[b]	DMW	Qt/Tnbs$_1$		Q	ERD/WGMG	E906	4	Y	
EP6-07	MWPT	Tnbs$_1$	A	A	CMP	E300.0:NO3	1	Y	
EP6-07	MWPT	Tnbs$_1$	A	A	CMP	E300.0:PERC	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 9 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
EP6-07	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
EP6-07	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
EP6-07	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
EP6-07	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	2	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	3	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
EP6-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
EP6-09*	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 10 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	2	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	3	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
EP6-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
EP6-09[b]	DMW	$Tnbs_1$			ERD/WGMG	E239.2	1	Y	
K6-01[c]	DMW	$Tnbs_1$		A	ERD/WGMG	E300.0:NO3	1	Y	
K6-01[c]	DMW	$Tnbs_1$		A	ERD/WGMG	E300.0:PERC	1	Y	
K6-01[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E601	1	Y	
K6-01[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E601	3	Y	
K6-01[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E906	1	Y	
K6-01[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E906	3	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	2	Y	
K6-01S[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 11 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-01S[b]	DMW	Qt/$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K6-01S[b]	DMW	Qt/$Tnbs_1$		q	ERD/WGMG	E906	1	Y	
K6-01S[b]	DMW	Qt/$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K6-01S[b]	DMW	Qt/$Tnbs_1$		q	ERD/WGMG	E906	3	Y	
K6-01S[b]	DMW	Qt/$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K6-03	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	1	Y	
K6-03	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:PERC	1	Y	
K6-03	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E601	1	Y	
K6-03	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E601	3	Y	
K6-03	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	1	Y	
K6-03	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	3	Y	
K6-03	MWPT	$Tnbs_1$			DIS	E239.2	1	Y	
K6-04	MWPT	$Tnbs_1$	A	Q	CMP	E300.0:NO3	1	Y	
K6-04	MWPT	$Tnbs_1$	A	Q	CMP	E300.0:PERC	1	Y	
K6-04	MWPT	$Tnbs_1$	S	Q	CMP	E601	1	Y	
K6-04	MWPT	$Tnbs_1$	S	Q	CMP	E601	3	Y	
K6-04	MWPT	$Tnbs_1$	S	Q	CMP	E906	1	Y	
K6-04	MWPT	$Tnbs_1$	S	Q	CMP	E906	3	Y	
K6-14	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-14	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-14	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
K6-14	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
K6-14	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
K6-14	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
K6-15	MWPT	Qt/$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	1	N	Insufficient water.
K6-15	MWPT	Qt/$Tnbs_1$	A	A	CMP/WGMG	E300.0:PERC	1	N	Insufficient water.
K6-15	MWPT	Qt/$Tnbs_1$	S	S	CMP/WGMG	E601	1	N	Insufficient water.

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 12 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-15	MWPT	Qt/Tnbs$_1$	S	S	CMP/WGMG	E601	3	N	Dry.
K6-15	MWPT	Qt/Tnbs$_1$	S	S	CMP/WGMG	E906	1	N	Insufficient water.
K6-15	MWPT	Qt/Tnbs$_1$	S	S	CMP/WGMG	E906	3	N	Dry.
K6-16	MWPT	Qt/Tnbs$_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-16	MWPT	Qt/Tnbs$_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-16	MWPT	Qt/Tnbs$_1$	S	S	CMP	E601	1	Y	
K6-16	MWPT	Qt/Tnbs$_1$	S	S	CMP	E601	3	Y	
K6-16	MWPT	Qt/Tnbs$_1$	S	S	CMP	E906	1	Y	
K6-16	MWPT	Qt/Tnbs$_1$	S	S	CMP	E906	3	Y	
K6-17	GW	Qt/Tnbs$_1$	S	S	CMP	E300.0:NO3	1	Y	
K6-17	GW	Qt/Tnbs$_1$	S	S	CMP	E300.0:NO3	3	Y	
K6-17	GW	Qt/Tnbs$_1$	S	S	CMP	E300.0:PERC	1	Y	
K6-17	GW	Qt/Tnbs$_1$	S	S	CMP	E300.0:PERC	3	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E601	1	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E601	2	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E601	3	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E601	4	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E906	1	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E906	2	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E906	3	Y	
K6-17	GW	Qt/Tnbs$_1$	Q	Q	CMP	E906	4	Y	
K6-18	MWPT	Qt/Tnbs$_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-18	MWPT	Qt/Tnbs$_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-18	MWPT	Qt/Tnbs$_1$			DIS	E300.0:PERC	4	Y	
K6-18	MWPT	Qt/Tnbs$_1$	S	S	CMP	E601	1	Y	
K6-18	MWPT	Qt/Tnbs$_1$	S	S	CMP	E601	3	Y	
K6-18	MWPT	Qt/Tnbs$_1$	S	S	CMP	E906	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 13 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-18	MWPT	$Qt/Tnbs_1$	S	S	CMP	E906	3	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	2	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	3	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K6-19[b]	DMW	$Qt/Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K6-21	MWPT	Qt	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
K6-21	MWPT	Qt	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
K6-21	MWPT	Qt	A	A	CMP	E601	1	N	Insufficient water. Changed to annual due to continued lack of water.
K6-21	MWPT	Qt	A	A	CMP	E906	1	N	Insufficient water. Changed to annual due to continued lack of water.
K6-22	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	1	N	Insufficient water.
K6-22	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	3	N	Dry.
K6-22	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	1	N	Insufficient water.
K6-22	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	3	N	Dry.

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 14 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E601	1	N	Insufficient water.
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E601	2	N	Insufficient water.
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E601	3	N	Dry.
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E601	4	Y	
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E906	1	N	Insufficient water.
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E906	2	N	Insufficient water.
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E906	3	N	Dry.
K6-22	GW	$Tnbs_1$	Q	Q	CMP	E906	4	Y	
K6-23	MWPT	Tmss			DIS	E239.2	1	Y	
K6-23	MWPT	Tmss	A	A	CMP	E300.0:NO3	1	Y	
K6-23	MWPT	Tmss			DIS	E300.0:NO3	1	Y	
K6-23	MWPT	Tmss	A	A	CMP	E300.0:PERC	1	Y	
K6-23	MWPT	Tmss	S	S	CMP	E601	1	Y	
K6-23	MWPT	Tmss	S	S	CMP	E601	3	Y	
K6-23	MWPT	Tmss	S	S	CMP	E906	1	Y	
K6-23	MWPT	Tmss	S	S	CMP	E906	3	Y	
K6-24	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-24	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-24	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
K6-24	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
K6-24	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
K6-24	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
K6-25	MWPT	Tmss	A	A	CMP	E300.0:NO3	1	Y	
K6-25	MWPT	Tmss	A	A	CMP	E300.0:PERC	1	Y	
K6-25	MWPT	Tmss	S	S	CMP	E601	1	Y	
K6-25	MWPT	Tmss	S	S	CMP	E601	3	Y	
K6-25	MWPT	Tmss	S	S	CMP	E906	1	Y	
K6-25	MWPT	Tmss	S	S	CMP	E906	3	Y	
K6-26	MWPT	$Tnbs_1$			DIS	E239.2	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 15 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-26	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-26	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-26	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
K6-26	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
K6-26	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
K6-26	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
K6-27	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-27	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-27	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
K6-27	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
K6-27	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
K6-27	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
K6-32	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	1	Y	
K6-32	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:PERC	1	Y	
K6-32	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E601	1	Y	
K6-32	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E601	3	Y	
K6-32	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	1	Y	
K6-32	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	3	Y	
K6-33	MWPT	$Tnbs_1$			DIS	E239.2	1	Y	
K6-33	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-33	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-33	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
K6-33	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
K6-33	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
K6-33	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
K6-34	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	1	Y	
K6-34	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	3	Y	
K6-34	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	1	Y	
K6-34	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	3	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 16 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E601	1	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E601	2	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E601	3	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E601	4	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E906	1	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E906	2	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E906	3	Y	
K6-34	GW	$Tnbs_1$	Q	Q	CMP	E906	4	Y	
K6-35	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
K6-35	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
K6-35	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
K6-35	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
K6-35	MWPT	$Tnbs_1$	S	S	CMP	E906	1	Y	
K6-35	MWPT	$Tnbs_1$	S	S	CMP	E906	3	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	N	Insufficient water.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	N	Dry.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	N	Insufficient water.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	N	Dry.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	2	N	Insufficient water.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	3	N	Dry.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 17 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	N	Insufficient water.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	N	Dry.
K6-36[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
SPRING15	SPR	Qt	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
SPRING15	SPR	Qt	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
K6-21	SPR	Qt	A	A	CMP	E601	1	N	Insufficient water. Changed to annual due to continued lack of water.
K6-21	SPR	Qt	A	A	CMP	E906	1	N	Insufficient water. Changed to annual due to continued lack of water.
SPRING8	SPR	Qt		A	DIS	DWMETALS	4	N	Dry.
SPRING8	SPR	Qt		A	DIS	E210.2	4	N	Dry.
SPRING8	SPR	Qt		A	DIS	E300.0:PERC	4	N	Dry.
SPRING8	SPR	Qt		A	DIS	E601	4	N	Dry.
SPRING8	SPR	Qt		A	DIS	E8330:R+H	4	N	Dry.
SPRING8	SPR	Qt		A	DIS	E906	4	N	Dry.
W-33C-01	MWPT	Tts	A	A	CMP	E300.0:NO3	1	Y	
W-33C-01	MWPT	Tts	A	A	CMP	E300.0:PERC	1	Y	
W-33C-01	MWPT	Tts	S	S	CMP	E601	1	Y	
W-33C-01	MWPT	Tts	S	S	CMP	E601	3	Y	
W-33C-01	MWPT	Tts	S	S	CMP	E906	1	Y	
W-33C-01	MWPT	Tts	S	S	CMP	E906	3	Y	
W-34-01	MWB	$Tnsc_1$		A	DIS	E300.0:NO3	1	Y	
W-34-01	MWB	$Tnsc_1$		A	DIS	E300.0:PERC	1	Y	
W-34-01	MWB	$Tnsc_1$		A	DIS	E601	1	Y	
W-34-01	MWB	$Tnsc_1$		A	DIS	E906	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		A	DIS	E300.0:NO3	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		A	DIS	E300.0:PERC	1	Y	

Table 2.3-1. Pit 6 Landfill OU ground water sampling and analysis plan. (Cont. Page 18 of 18)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-34-02	MWB	Upper $Tnbs_1$		A	DIS	E601	1	Y	
W-34-02	MWB	Upper $Tnbs_1$		A	DIS	E906	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E601	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E601	2	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E601	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E601	4	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E906	1	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E906	2	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E906	3	Y	
W-PIT6-1819	GW	$Tnbs_1$	Q	Q	CMP	E906	4	Y	

Notes:

DWM Analytes and sampling frequency are specified in the Pit 6 Landfill Post-Closure Plan.

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

Pit 6 primary COC: tritium (E906).

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

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

[a] See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.

[b] Non CMP well. DWM analytes and sampling frequency are specified in the Pit 6 Landfill Post Closure Plan.

[c] K6-01 TO BE SAMPLED QUARTERLY IF K6-01S IS DRY.

Table 2.4-1. Building 815-Source (B815-SRC) volumes of ground water extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B815-SRC	July	629	32,639	8,160
	August	863	53,764	10,753
	September	516	30,180	7,545
	October	567	32,782	8,196
	November	690	38,684	7,737
	December	697	39,075	9,769
Total		3,962	227,124	

Table 2.4-2. Building 815-Proximal (B815-PRX) volumes of ground water extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B815-PRX	July	439	40,361	10,090
	August	658	74,912	14,982
	September	563	55,374	13,844
	October	653	63,987	15,997
	November	513	76,785	15,357
	December	703	95,510	23,878
Total		3,529	406,929	

Table 2.4-3. Building 815-Distal Site Boundary (B815-DSB) volumes of ground water extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B815-DSB	July	325	78,768	19,692
	August	385	83,421	16,684
	September	304	41,516	10,379
	October	258	62,815	15,704
	November	409	96,436	19,287
	December	293	51,286	17,095
Total		1,974	414,242	

Table 2.4-4. Building 817-Source (B817-SRC) volumes of ground water extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B817-SRC	July	28	374	94
	August	37	372	74
	September	31	307	77
	October	22	283	71
	November	9	181	45
	December	10	209	70
Total		137	1,726	

Table 2.4-5. High Explosive Process Area OU VOCs in ground water extraction treatment system influent and effluent.

Location	Date	Method	TCE µg/L	PCE µg/L	Total 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	Freon 11 µg/L	Freon 113 µg/L	Methylene chloride µg/L	Vinyl chloride µg/L
B815-SRC-I	07/14/04	E601	6.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.71	<0.5	<0.5	<0.5	<1	<0.5
B815-SRC-I	10/06/04	E601	7.1	<0.5	<1	<0.5	<0.5 E	<0.5 E	<0.5	0.87	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-I	07/14/04	E601	8.9	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-I	10/07/04	E601	8.7	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-E	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-E	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-E	10/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-E	11/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-DSB-E	12/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-I	07/14/04	E601	29	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-I	10/11/04	E601	31	<0.5 E	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-E	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-E	09/13/04	E601	<0.5	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-E	10/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-E	11/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-PRX-E	12/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-E	08/18/04	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-E	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-E	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-E	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-I	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B817-SRC-I	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B815-SRC-I	07/14/04	E601	6.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.71	<0.5	<0.5	<0.5	<1	<0.5

Table 2.4-6. High Explosive Process Area OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	Nitrate (as NO_3) (mg/L)	Perchlorate (μg/L)
B815-SRC-E	07/14/04	94.5 D	<4
B815-SRC-E	08/11/04	87.1	<4
B815-SRC-E	09/15/04	93.5 D	<4
B815-SRC-E	10/06/04	94.4 D	<4
B815-SRC-E	11/11/04	4.92	<4
B815-SRC-E	12/07/04	93.6 D	<4
B815-SRC-I	07/14/04	94.2 D	21
B815-SRC-I	10/06/04	96.7 D	19
B815-DSB-I	07/14/04	<0.44	–
B815-DSB-I	10/07/04	<0.44	–
B815-DSB-E	07/14/04	<0.44	–
B815-DSB-E	08/11/04	<0.44	–
B815-DSB-E	09/15/04	<0.44	–
B815-DSB-E	10/07/04	<0.44	–
B815-DSB-E	11/11/04	<0.44	–
B815-DSB-E	12/07/04	<0.44	–
B815-PRX-I	07/14/04	78.5	7.7
B815-PRX-I	10/11/04	–	6.9
B815-PRX-I	10/27/04	77.1	–
B815-PRX-E	07/14/04	75.7	<4
B815-PRX-E	08/11/04	69	<4
B815-PRX-E	09/13/04	71.5	<4
B815-PRX-E	10/11/04	71.6	<4
B815-PRX-E	11/11/04	79	<4
B815-PRX-E	12/07/04	83.1	<4 E
B817-SRC-I	07/14/04	87.9	23
B817-SRC-I	10/06/04	88.5	21
B817-SRC-E	07/14/04	<0.44	<4
B817-SRC-E	08/18/04	<0.44	<4
B817-SRC-E	09/15/04	<0.44 E	<4
B817-SRC-E	10/06/04	<0.44 E	<4
B817-SRC-E	11/10/04	<0.44 E	<4
B817-SRC-E	12/09/04	<0.88 D	<4

Table 2.4-7. High Explosive Process Area OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	HMX (μg/L)	RDX (μg/L)
B815-SRC-I	07/14/04	–	66
B815-SRC-I	10/06/04	5.8 B	66
B815-PRX-I	07/14/04	<5	<5
B815-PRX-I	10/11/04	<5	<5
B815-PRX-E	07/14/04	<5	<5
B815-PRX-E	08/11/04	<5	<5
B815-PRX-E	09/13/04	<5	<5
B815-PRX-E	10/11/04	<5	<5
B815-PRX-E	11/11/04	<5	<5
B815-PRX-E	12/07/04	<5	<5
B817-SRC-I	07/14/04	10	30
B817-SRC-I	10/06/04	14 B	42
B817-SRC-E	07/14/04	<5	<5
B817-SRC-E	08/18/04	<5	<5
B817-SRC-E	09/15/04	<5	<5
B817-SRC-E	10/06/04	<5	<5
B817-SRC-E	11/10/04	<5	<5
B817-SRC-E	12/09/04	<5	<5

Table 2.4-8. High Explosive Process Area OU treatment facility sampling and analysis plans.

Sample location	Sample identification	Parameter	Frequency
B815-SRC GWTS			
Influent Port	**GTU02-I**	**VOCs**	**Quarterly**
		RDX	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU02-E**	**VOCs**	**Monthly**
(influent to misting		**RDX**	**Monthly**
system)		**Perchlorate**	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
B815-PRX GWTS			
Influent Port	**GTU06-I**	**VOCs**	**Quarterly**
		Nitrate	**Quarterly**
		RDX	**Quarterly**
		Perchlorate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU06-E**	**VOCs**	**Monthly**
(influent to misting		**Perchlorate**	**Monthly**
system)		**RDX**	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
B815-DSB GWTS			
Influent Port	**STU04-I**	**VOCs**	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU04-E**	**VOCs**	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**

Table 2.4-8. High Explosive Process Area OU treatment facility sampling and analysis plans. (Cont. Page 2 of 2)

Sample location	Sample identification	Parameter	Frequency
B817-SRC GWTS			
Influent Port	**STU10-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU10-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 2 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	4	Y	
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
SPRING5	SPR	Tps	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
SPRING5	SPR	Tps	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
SPRING5	SPR	Tps	S	S	CMP	E601	2	N	Insufficient water.
SPRING5	SPR	Tps	S	S	CMP	E601	4	N	Dry.
SPRING5	SPR	Tps	A	A	CMP	E8330:R+H	2	N	Insufficient water.
W-35B-01	GW	Qal	S	S	CMP	E300.0:NO3	1	Y	
W-35B-01	GW	Qal			DIS	E300.0:NO3	2	Y	
W-35B-01	GW	Qal	S	S	CMP	E300.0:NO3	3	Y	
W-35B-01	GW	Qal	S	S	CMP	E300.0:PERC	1	Y	
W-35B-01	GW	Qal			DIS	E300.0:PERC	2	Y	
W-35B-01	GW	Qal	S	S	CMP	E300.0:PERC	3	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	1	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	2	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	3	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	4	Y	
W-35B-01	GW	Qal	S	S	CMP	E8330:R+H	1	Y	
W-35B-01	GW	Qal			DIS	E8330:R+H	2	Y	
W-35B-01	GW	Qal	S	S	CMP	E8330:R+H	3	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-02	GW	$Tnbs_2$			DIS	E300.0:NO3	2	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-02	GW	$Tnbs_2$			DIS	E300.0:PERC	2	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 3 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-02	GW	$Tnbs_2$			DIS	E8330:R+H	2	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	1	Y	
W-35C-01	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 4 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35C-01	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	1	Y	
W-35C-02	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	3	Y	
W-35C-02	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	3	Y	
W-35C-02	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-35C-02	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-35C-02	MWPT	$Tnbs_1$	A	A	CMP	E8330:R+H	3	Y	
W-35C-04	EW	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-35C-04	EW	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-35C-04	EW	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-35C-04	EW	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-35C-04	EW	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-35C-05	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-35C-05	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-35C-05	MWPT	Tps	S	S	CMP	E601	1	Y	
W-35C-05	MWPT	Tps	S	S	CMP	E601	3	Y	
W-35C-05	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-35C-06	MWPT	Qal	A	A	CMP	E300.0:NO3	3	Y	
W-35C-06	MWPT	Qal	A	A	CMP	E300.0:PERC	3	Y	
W-35C-06	MWPT	Qal	S	S	CMP	E601	1	Y	
W-35C-06	MWPT	Qal	S	S	CMP	E601	3	Y	
W-35C-06	MWPT	Qal	A	A	CMP	E8330:R+H	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-35C-07	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-35C-07	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-35C-08	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-35C-08	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-4A	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	
W-4A	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-4A	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-4A	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-4A	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-4AS	MWPT	Tps	A	A	CMP	E300.0:NO3	3	Y	
W-4AS	MWPT	Tps	A	A	CMP	E300.0:PERC	3	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 5 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-4AS	MWPT	Tps	S	S	CMP	E601	1	Y	
W-4AS	MWPT	Tps	S	S	CMP	E601	3	Y	
W-4AS	MWPT	Tps	A	A	CMP	E8330:R+H	3	Y	
W-4B	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-4B	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-4B	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-4B	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-4B	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-4C	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	1	Y	
W-4C	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	1	Y	
W-4C	MWPT	$Tnsc_1$	S	S	CMP	E601	1	Y	
W-4C	MWPT	$Tnsc_1$	S	S	CMP	E601	3	Y	
W-4C	MWPT	$Tnsc_1$	A	A	CMP	E8330:R+H	1	Y	
W-6BD	MWPT	Tps	A	A	CMP	E300.0:NO3	3	Y	
W-6BD	MWPT	Tps	A	A	CMP	E300.0:PERC	3	Y	
W-6BD	MWPT	Tps	S	S	CMP	E601	1	Y	
W-6BD	MWPT	Tps	S	S	CMP	E601	3	Y	
W-6BD	MWPT	Tps	A	A	CMP	E8330:R+H	3	Y	
W-6BS	MWPT	Tps	A	A	CMP	E300.0:NO3	3	Y	
W-6BS	MWPT	Tps	A	A	CMP	E300.0:PERC	3	Y	
W-6BS	MWPT	Tps	S	S	CMP	E601	1	Y	
W-6BS	MWPT	Tps	S	S	CMP	E601	3	Y	
W-6BS	MWPT	Tps	A	A	CMP	E8330:R+H	3	Y	
W-6CD	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-6CD	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-6CD	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-6CD	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-6CD	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-6CI	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	
W-6CI	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-6CI	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-6CI	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-6CI	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-6CS	MWPT	Tps	A	A	CMP	E300.0:NO3	3	Y	
W-6CS	MWPT	Tps	A	A	CMP	E300.0:PERC	3	Y	
W-6CS	MWPT	Tps	S	S	CMP	E601	1	Y	
W-6CS	MWPT	Tps	S	S	CMP	E601	3	Y	
W-6CS	MWPT	Tps	A	A	CMP	E8330:R+H	3	Y	
W-6EI	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 6 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-6EI	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-6EI	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-6EI	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-6EI	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-6ER	EW	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-6ER	EW	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-6ER	EW	$Tnbs_2$	S	S	CMP	E601	1	N	No access.
W-6ER	EW	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-6ER	EW	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-6ER	EW	$Tnbs_2$			DIS	NUTRIENTS	1	N	No access.
W-6ES	MWPT	Qal	A	A	CMP	E300.0:NO3	3	Y	
W-6ES	MWPT	Qal	A	A	CMP	E300.0:PERC	3	Y	
W-6ES	MWPT	Qal	S	S	CMP	E601	1	Y	
W-6ES	MWPT	Qal	S	S	CMP	E601	3	Y	
W-6ES	MWPT	Qal	A	A	CMP	E8330:R+H	3	Y	
W-6F	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-6F	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-6F	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-6F	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-6F	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-6G	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-6G	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-6G	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-6G	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-6G	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-6H	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-6H	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-6H	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-6H	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-6H	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-6H	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-6H	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-6H	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-6H	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-6H	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-6H	GW	$Tnbs_2$			DIS	NUTRIENTS	1	Y	
W-6I	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-6I	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-6I	MWPT	Tps	S	S	CMP	E601	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 7 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-6I	MWPT	Tps	S	S	CMP	E601	3	Y	
W-6I	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-6J	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-6J	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-6J	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-6J	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-6J	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-6J	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-6J	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-6J	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-6J	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-6J	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-6J	GW	$Tnbs_2$			DIS	NUTRIENTS	1	Y	
W-6K	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-6K	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-6K	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-6K	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-6K	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-6L	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-6L	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-6L	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-6L	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-6L	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-806-06A	MWB	$Tnsc_1$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
W-806-06A	MWB	$Tnsc_1$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
W-806-06A	MWB	$Tnsc_1$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
W-806-06A	MWB	$Tnsc_1$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
W-806-07	MWB	$Tnbs_2$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
W-806-07	MWB	$Tnbs_2$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
W-806-07	MWB	$Tnbs_2$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
W-806-07	MWB	$Tnbs_2$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
W-808-01	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-808-01	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-808-01	MWPT	Tps	S	S	CMP	E601	1	Y	
W-808-01	MWPT	Tps	S	S	CMP	E601	3	Y	
W-808-01	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-808-02	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	N	Dry.
W-808-02	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	N	Dry.
W-808-02	MWPT	$Tnsc_2$	S	S	CMP	E601	1	N	Insufficient water.

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 8 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-808-02	MWPT	$Tnsc_2$	S	S	CMP	E601	3	N	Dry.
W-808-02	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	N	Dry.
W-808-03	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-808-03	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-808-03	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-808-03	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-808-03	MWPT	$Tnbs_1$	A	A	CMP	E8330:R+H	1	Y	
W-809-01	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-809-01	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-809-01	MWPT	Tps	S	S	CMP	E601	1	Y	
W-809-01	MWPT	Tps	S	S	CMP	E601	3	Y	
W-809-01	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-809-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-809-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-809-02	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-809-02	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-809-02	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-809-03	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-809-03	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-809-03	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-809-03	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-809-03	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-809-04	MWPT	Tps	A	A	CMP	E300.0:NO3	3	N	Dry.
W-809-04	MWPT	Tps	A	A	CMP	E300.0:PERC	3	N	Dry.
W-809-04	MWPT	Tps	S	S	CMP	E601	1	Y	
W-809-04	MWPT	Tps			DIS	E601	2	Y	
W-809-04	MWPT	Tps	S	S	CMP	E601	3	N	Dry.
W-809-04	MWPT	Tps	A	A	CMP	E8330:R+H	3	N	Dry.
W-810-01	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-810-01	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-810-01	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-810-01	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-810-01	MWPT	$Tnbs_1$	A	A	CMP	E8330:R+H	1	Y	
W-814-01	MWPT	Tps	A	A	CMP	E300.0:NO3	3	Y	
W-814-01	MWPT	Tps	A	A	CMP	E300.0:PERC	3	Y	
W-814-01	MWPT	Tps	S	S	CMP	E601	1	Y	
W-814-01	MWPT	Tps	S	S	CMP	E601	3	Y	
W-814-01	MWPT	Tps	A	A	CMP	E8330:R+H	3	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 9 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-814-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-814-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-814-02	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-814-02	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-814-02	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-814-03	MWPT	Tps	A	A	CMP	E300.0:NO3	3	N	Dry.
W-814-03	MWPT	Tps	A	A	CMP	E300.0:PERC	3	N	Dry.
W-814-03	MWPT	Tps	S	S	CMP	E601	1	N	Insufficient water.
W-814-03	MWPT	Tps	S	S	CMP	E601	3	N	Dry.
W-814-03	MWPT	Tps	A	A	CMP	E8330:R+H	3	N	Dry.
W-814-04	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	3	Y	
W-814-04	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	3	Y	
W-814-04	MWPT	$Tnsc_1$	S	S	CMP	E601	1	Y	
W-814-04	MWPT	$Tnsc_1$	S	S	CMP	E601	3	Y	
W-814-04	MWPT	$Tnsc_1$	A	A	CMP	E8330:R+H	3	Y	
W-815-01	MWPT	Tps	A	A	CMP	E300.0:NO3	3	N	Dry.
W-815-01	MWPT	Tps	A	A	CMP	E300.0:PERC	3	N	Dry.
W-815-01	MWPT	Tps	S	S	CMP	E601	1	N	Insufficient water.
W-815-01	MWPT	Tps			DIS	E601	2	N	Insufficient water.
W-815-01	MWPT	Tps	S	S	CMP	E601	3	N	Dry.
W-815-01	MWPT	Tps	A	A	CMP	E8330:R+H	3	N	Dry.
W-815-02	EW	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-815-02	EW	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-815-02	EW	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-815-02	EW	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-815-02	EW	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-815-03	MWPT	Tps	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-815-03	MWPT	Tps	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-815-03	MWPT	Tps	S	S	CMP	E601	1	N	Insufficient water.
W-815-03	MWPT	Tps			DIS	E601	2	N	Insufficient water.
W-815-03	MWPT	Tps	S	S	CMP	E601	3	N	Dry.
W-815-03	MWPT	Tps	A	A	CMP	E8330:R+H	1	N	Insufficient water.
W-815-04	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	N	Pump down.
W-815-04	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	N	Pump down.
W-815-04	MWPT	$Tnbs_2$	S	S	CMP	E601	1	N	Pump down.
W-815-04	MWPT	$Tnbs_2$	S	S	CMP	E601	3	N	Pump down.
W-815-04	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	N	Pump down.
W-815-05	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 10 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-815-05	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-815-05	MWPT	Tps	S	S	CMP	E601	1	Y	
W-815-05	MWPT	Tps	S	S	CMP	E601	3	Y	
W-815-05	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-815-06	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-815-06	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-815-06	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-815-06	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-815-06	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-815-07	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-815-07	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-815-07	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-815-07	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-815-07	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-815-08	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	2	Y	
W-815-08	GW	$Tnbs_1$	S	S	CMP	E300.0:NO3	4	Y	
W-815-08	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	2	Y	
W-815-08	GW	$Tnbs_1$	S	S	CMP	E300.0:PERC	4	Y	
W-815-08	GW	$Tnbs_1$	Q	Q	CMP	E601	1	Y	
W-815-08	GW	$Tnbs_1$	Q	Q	CMP	E601	2	Y	
W-815-08	GW	$Tnbs_1$	Q	Q	CMP	E601	3	Y	
W-815-08	GW	$Tnbs_1$	Q	Q	CMP	E601	4	Y	
W-815-08	GW	$Tnbs_1$	S	S	CMP	E8330:R+H	2	Y	
W-815-08	GW	$Tnbs_1$	S	S	CMP	E8330:R+H	4	Y	
W-815-1928	MWPT	Tps	A	A	CMP	E300.0:NO3	3	N	Dry.
W-815-1928	MWPT	Tps	A	A	CMP	E300.0:PERC	3	N	Dry.
W-815-1928	MWPT	Tps	S	S	CMP	E601	1	N	Insufficient water.
W-815-1928	MWPT	Tps	S	S	CMP	E601	3	N	Dry.
W-815-1928	MWPT	Tps	A	A	CMP	E8330:R+H	3	N	Dry.
W-817-01	EW	$Tnbs_2$	S	S	CMP/WGMG	E300.0:NO3	1	Y	
W-817-01	EW	$Tnbs_2$	S	S	CMP/WGMG	E300.0:NO3	3	Y	
W-817-01	EW	$Tnbs_2$	S	S	CMP/WGMG	E300.0:PERC	1	Y	
W-817-01	EW	$Tnbs_2$	S	S	CMP/WGMG	E300.0:PERC	3	Y	
W-817-01	EW	$Tnbs_2$	Q	Q	CMP/WGMG	E601	1	Y	WDRE624 was analyzed.
W-817-01	EW	$Tnbs_2$	Q	Q	CMP/WGMG	E601	2	Y	WDRE624 was analyzed.
W-817-01	EW	$Tnbs_2$	Q	Q	CMP/WGMG	E601	3	Y	WDRE624 was analyzed.
W-817-01	EW	$Tnbs_2$	Q	Q	CMP/WGMG	E601	4	Y	WDRE624 was analyzed.
W-817-01	EW	$Tnbs_2$	S	S	CMP/WGMG	E8330:R+H	1	Y	W8330:LOW was analyzed.
W-817-01	EW	$Tnbs_2$	S	S	CMP/WGMG	E8330:R+H	3	Y	W8330:LOW was analyzed.

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 11 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-817-02[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E300.0:NO3	1	Y	
W-817-02[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E300.0:PERC	1	Y	
W-817-02[b]	DMW	$Tnbs_2$		S	ERD/WGMG	E601	1	Y	
W-817-02[b]	DMW	$Tnbs_2$		S	ERD/WGMG	E601	3	Y	WDRE624 was analyzed.
W-817-02[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E8330:R+H	1	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	1	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	2	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	3	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	4	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	1	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	2	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	3	Y	
W-817-02[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	4	Y	
W-817-03[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E300.0:NO3	1	Y	
W-817-03[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E300.0:PERC	1	Y	
W-817-03[b]	DMW	$Tnbs_2$		S	ERD/WGMG	E601	1	Y	
W-817-03[b]	DMW	$Tnbs_2$		S	ERD/WGMG	E601	3	Y	WDRE624 was analyzed.
W-817-03[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E8330:R+H	1	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	1	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	2	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	3	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	4	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	1	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	2	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	3	Y	
W-817-03[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	4	Y	
W-817-03A	MWPT	Tps			DIS	E1002TOX	1	N	Insufficient water.
W-817-03A	MWPT	Tps			DIS	E1003TOX	1	N	Insufficient water.
W-817-03A	MWPT	Tps	A	A	CMP	E300.0:NO3	3	N	Dry.
W-817-03A	MWPT	Tps	A	A	CMP	E300.0:PERC	3	N	Dry.
W-817-03A	MWPT	Tps	S	S	CMP	E601	1	N	Insufficient water.
W-817-03A	MWPT	Tps	S	S	CMP	E601	3	N	Dry.
W-817-03A	MWPT	Tps	A	A	CMP	E8330:R+H	3	N	Dry.
W-817-04[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E300.0:NO3	1	Y	
W-817-04[b]	DMW	Tnbs2		A	ERD/WGMG	E300.0:PERC	1	Y	
W-817-04[b]	DMW	$Tnbs_2$		S	ERD/WGMG	E601	1	Y	WDRE624 was analyzed.
W-817-04[b]	DMW	$Tnbs_2$		S	ERD/WGMG	E601	3	Y	WDRE624 was analyzed.
W-817-04[b]	DMW	$Tnbs_2$		A	ERD/WGMG	E8330:R+H	1	Y	W8330:LOW was analyzed.
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 12 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	2	Y	
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	3	Y	
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	W8330:LOW	4	Y	
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	1	Y	
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	2	Y	
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	3	Y	
W-817-04[b]	DMW	$Tnbs_2$		Q	ERD/WGMG	WDRE624	4	Y	
W-817-05	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	3	Y	
W-817-05	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	3	Y	
W-817-05	MWPT	$Tnsc_1$	S	S	CMP	E601	1	Y	
W-817-05	MWPT	$Tnsc_1$	S	S	CMP	E601	3	Y	
W-817-05	MWPT	$Tnsc_1$	A	A	CMP	E8330:R+H	3	Y	
W-817-06A	Inj Well	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	N	B817-SRC injection well. Could not collect sample.
W-817-06A	Inj Well	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	N	B817-SRC injection well. Could not collect sample.
W-817-06A	Inj Well	$Tnbs_2$	S	S	CMP	E601	1	N	B817-SRC injection well. Could not collect sample.
W-817-06A	Inj Well	$Tnbs_2$	S	S	CMP	E601	3	N	B817-SRC injection well
W-817-06A	Inj Well	$Tnbs_2$	A	A	CMP	E8330:R+H	1	N	B817-SRC injection well. Could not collect sample.
W-817-07	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-817-07	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-817-07	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-817-07	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-817-07	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-818-01	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-818-01	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-818-01	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-01	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-01	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-818-03	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-818-03	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-818-03	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-03	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-03	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-818-04	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-818-04	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-818-04	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-04	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-04	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-818-06	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 13 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-818-06	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-818-06	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-06	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-06	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-818-07	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-818-07	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-818-07	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-07	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-07	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-818-08	EW	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-818-08	EW	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-818-08	EW	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-08	EW	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-08	EW	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-818-09	EW	$Tnbs_2$	A	A	CMP	E300.0:NO3	3	Y	
W-818-09	EW	$Tnbs_2$	A	A	CMP	E300.0:PERC	3	Y	
W-818-09	EW	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-09	EW	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-09	EW	$Tnbs_2$	A	A	CMP	E8330:R+H	3	Y	
W-818-11	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-818-11	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-818-11	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-818-11	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-818-11	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	Analyzed for RDX only.
W-819-02	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	3	Y	
W-819-02	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	3	Y	
W-819-02	MWPT	$Tnsc_1$	S	S	CMP	E601	1	Y	
W-819-02	MWPT	$Tnsc_1$	S	S	CMP	E601	3	Y	
W-819-02	MWPT	$Tnsc_1$	A	A	CMP	E8330:R+H	3	Y	
W-823-01	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-823-01	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-823-01	MWPT	Tps	S	S	CMP	E601	1	Y	
W-823-01	MWPT	Tps	S	S	CMP	E601	3	Y	
W-823-01	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-823-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-823-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-823-02	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-823-02	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-823-02	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 14 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-823-03	MWPT	Tnbs$_2$	A	A	CMP	E300.0:NO3	1	Y	
W-823-03	MWPT	Tnbs$_2$	A	A	CMP	E300.0:PERC	1	Y	
W-823-03	MWPT	Tnbs$_2$	S	S	CMP	E601	1	Y	
W-823-03	MWPT	Tnbs$_2$	S	S	CMP	E601	3	Y	
W-823-03	MWPT	Tnbs$_2$	A	A	CMP	E8330:R+H	1	Y	
W-823-13	MWPT	Tnbs$_2$	A	A	CMP	E300.0:NO3	3	Y	
W-823-13	MWPT	Tnbs$_2$	A	A	CMP	E300.0:PERC	3	Y	
W-823-13	MWPT	Tnbs$_2$	S	S	CMP	E601	1	Y	
W-823-13	MWPT	Tnbs$_2$	S	S	CMP	E601	3	Y	
W-823-13	MWPT	Tnbs$_2$	A	A	CMP	E8330:R+H	3	Y	
W-827-01	MWB	Tnbs$_2$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
W-827-01	MWB	Tnbs$_2$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
W-827-01	MWB	Tnbs$_2$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
W-827-01	MWB	Tnbs$_2$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
W-827-02	MWB	Tnsc$_1$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
W-827-02	MWB	Tnsc$_1$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
W-827-02	MWB	Tnsc$_1$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
W-827-02	MWB	Tnsc$_1$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
W-827-03	MWB	Tnsc$_1$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
W-827-03	MWB	Tnsc$_1$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
W-827-03	MWB	Tnsc$_1$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
W-827-03	MWB	Tnsc$_1$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
W-827-03	MWB	Tnsc$_1$		B	DIS	NUTRIENTS	1	N	Next sample required 1ndQ 2005.
W-827-04[c]	DMW	Tnbs$_1$		A	ERD/WGMG	E300.0:NO3	1	N	Insufficient water.
W-827-04[c]	DMW	Tnbs$_1$		A	ERD/WGMG	E300.0:PERC	1	N	Insufficient water.
W-827-04[c]	DMW	Tnbs$_1$		S	ERD/WGMG	E601	1	N	Insufficient water.
W-827-04[c]	DMW	Tnbs$_1$		S	ERD/WGMG	E601	3	N	Insufficient water.
W-827-04[c]	DMW	Tnbs$_1$		A	ERD/WGMG	E8330:R+H	1	N	Insufficient water.
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E300.0:NO3	1	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$			DIS	E300.0:NO3	2	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E300.0:NO3	3	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E300.0:PERC	1	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$			DIS	E300.0:PERC	2	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E300.0:PERC	3	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E601	1	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$			DIS	E601	2	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E601	3	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E8330:R+H	1	Y	No longer HEBP DMW; Replaced by W-829-1938
W-827-05	MWPT	Tnbs$_1$			DIS	E8330:R+H	2	Y	No longer HEBP DMW; Replaced by W-829-1938

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 15 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-827-05	MWPT	Tnbs$_1$	S	S	CMP	E8330:R+H	3	Y	No longer HEBP DMW; Replaced by W-829-1938
W-829-06[c]	DMW	Tnsc$_1$		A	ERD/WGMG	E300.0:NO3	4	Y	
W-829-06[c]	DMW	Tnsc$_1$		A	ERD/WGMG	E300.0:PERC	4	Y	
W-829-06[c]	DMW	Tnsc$_1$		S	ERD/WGMG	E601	1	Y	
W-829-06[c]	DMW	Tnsc$_1$		S	ERD/WGMG	E601	4	Y	
W-829-06[c]	DMW	Tnsc$_1$		A	ERD/WGMG	E8330:R+H	1	Y	
W-829-08[c]	DMW	Tnsc$_1$			ERD/WGMG	E300.0:NO3	4	Y	
W-829-08[c]	DMW	Tnsc$_1$			ERD/WGMG	E300.0:PERC	4	Y	
W-829-08[c]	DMW	Tnsc$_1$		A	ERD/WGMG	E300.0:PERC	1	Y	
W-829-08[c]	DMW	Tnsc$_1$		S	ERD/WGMG	E601	1	Y	
W-829-08[c]	DMW	Tnsc$_1$		S	ERD/WGMG	E601	4	Y	
W-829-08[c]	DMW	Tnsc$_1$		A	ERD/WGMG	E8330:R+H	1	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
W-829-15[c]	DMW	Tnbs$_1$		S	ERD/WGMG	E601	1	Y	E624 was analyzed.
W-829-15[c]	DMW	Tnbs$_1$		S	ERD/WGMG	E601	3	Y	E624 was analyzed.
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E624	1	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E624	2	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E624	3	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E624	4	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E8330:R+H	1	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E8330:R+H	2	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E8330:R+H	3	Y	
W-829-15[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E8330:R+H	4	Y	
W-829-1938[c]	DMW	Tnbs$_1$		A	ERD/WGMG	E300.0:NO3	1	Y	
W-829-1938[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
W-829-1938[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
W-829-1938[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
W-829-1938[c]	DMW	Tnbs$_1$		A	ERD/WGMG	E300.0:PERC	1	Y	
W-829-1938[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
W-829-1938[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
W-829-1938[c]	DMW	Tnbs$_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 16 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-829-1938[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E601	1	Y	E624 was analyzed.
W-829-1938[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E601	3	Y	E624 was analyzed.
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	2	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	3	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	1	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	2	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	3	Y	
W-829-1938[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	4	Y	
W-829-1940	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	3	Y	
W-829-1940	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	3	Y	
W-829-1940	MWPT	$Tnsc_1$	S	S	CMP	E601	1	Y	
W-829-1940	MWPT	$Tnsc_1$	S	S	CMP	E601	3	Y	
W-829-1940	MWPT	$Tnsc_1$	A	A	CMP	E8330:R+H	3	Y	
W-829-22[c]	DMW	$Tnbs_1$		A	ERD/WGMG	E300.0:NO3	1	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
W-829-22[c]	DMW	$Tnbs_1$		A	ERD/WGMG	E300.0:PERC	1	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
W-829-22[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E601	1	Y	E624 was analyzed.
W-829-22[c]	DMW	$Tnbs_1$		S	ERD/WGMG	E601	3	Y	E624 was analyzed.
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	1	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	2	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	3	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	1	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	2	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	3	Y	
W-829-22[c]	DMW	$Tnbs_1$		Q	ERD/WGMG	E8330:R+H	4	Y	
W-880-01	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-880-01	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-880-01	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-880-01	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-880-01	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 17 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-880-01	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-880-01	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-880-01	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-880-01	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-880-01	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-880-02	GW	Qal	S	S	CMP	E300.0:NO3	1	Y	
W-880-02	GW	Qal	S	S	CMP	E300.0:NO3	3	Y	
W-880-02	GW	Qal	S	S	CMP	E300.0:PERC	1	Y	
W-880-02	GW	Qal	S	S	CMP	E300.0:PERC	3	Y	
W-880-02	GW	Qal	Q	Q	CMP	E601	1	Y	
W-880-02	GW	Qal	Q	Q	CMP	E601	2	Y	
W-880-02	GW	Qal	Q	Q	CMP	E601	3	Y	
W-880-02	GW	Qal	Q	Q	CMP	E601	4	Y	
W-880-02	GW	Qal	S	S	CMP	E8330:R+H	1	Y	
W-880-02	GW	Qal	S	S	CMP	E8330:R+H	3	N	Insufficient water.
W-880-03	GW	$Tnsc_1$	S	S	CMP	E300.0:NO3	1	Y	
W-880-03	GW	$Tnsc_1$	S	S	CMP	E300.0:NO3	3	Y	
W-880-03	GW	$Tnsc_1$	S	S	CMP	E300.0:PERC	1	Y	
W-880-03	GW	$Tnsc_1$	S	S	CMP	E300.0:PERC	3	Y	
W-880-03	GW	$Tnsc_1$	Q	Q	CMP	E601	1	Y	
W-880-03	GW	$Tnsc_1$	Q	Q	CMP	E601	2	Y	
W-880-03	GW	$Tnsc_1$	Q	Q	CMP	E601	3	Y	
W-880-03	GW	$Tnsc_1$	Q	Q	CMP	E601	4	Y	
W-880-03	GW	$Tnsc_1$	S	S	CMP	E8330:R+H	1	Y	
W-880-03	GW	$Tnsc_1$	S	S	CMP	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 18 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E601	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	1	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 18	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 18	WS	$Tnbs_1$			ERD/WGMG	E900	1	Y	
WELL 18	WS	$Tnbs_1$			ERD/WGMG	E906	1	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E300.0:NO3	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 19 of 24)

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

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 20 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	2	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	3	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	4	Y	
WELL 20	WS	$Tnbs_1$	M	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	2	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 21 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	M	CMP/WGMG	E8330:R+H	4	Y	
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
SPRING14	SPR	$Tnbs_2$	B	B	CMP	E8330:R+H	1	N	Next sample required 1ndQ 2005.
SPRING5	SPR	Tps	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
SPRING5	SPR	Tps	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
SPRING5	SPR	Tps	S	S	CMP	E601	2	N	Insufficient water.
SPRING5	SPR	Tps	S	S	CMP	E601	4	N	Dry.
SPRING5	SPR	Tps	A	A	CMP	E8330:R+H	2	N	Insufficient water.
W-35B-01	GW	Qal	S	S	CMP	E300.0:NO3	1	Y	
W-35B-01	GW	Qal			DIS	E300.0:NO3	2	Y	
W-35B-01	GW	Qal	S	S	CMP	E300.0:NO3	3	Y	
W-35B-01	GW	Qal	S	S	CMP	E300.0:PERC	1	Y	
W-35B-01	GW	Qal			DIS	E300.0:PERC	2	Y	
W-35B-01	GW	Qal	S	S	CMP	E300.0:PERC	3	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	1	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	2	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	3	Y	
W-35B-01	GW	Qal	Q	Q	CMP	E601	4	Y	
W-35B-01	GW	Qal	S	S	CMP	E8330:R+H	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 22 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35B-01	GW	Qal			DIS	E8330:R+H	2	Y	
W-35B-01	GW	Qal	S	S	CMP	E8330:R+H	3	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-02	GW	$Tnbs_2$			DIS	E300.0:NO3	2	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-02	GW	$Tnbs_2$			DIS	E300.0:PERC	2	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-02	GW	$Tnbs_2$			DIS	E8330:R+H	2	Y	
W-35B-02	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-03	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-04	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	1	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:NO3	3	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	1	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 23 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E300.0:PERC	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	1	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	2	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	Q	CMP	E601	4	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	1	Y	
W-35B-05	GW	$Tnbs_2$	S	S	CMP	E8330:R+H	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	1	Y	
W-35C-01	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	1	Y	
W-35C-02	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	3	Y	
W-35C-02	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	3	Y	
W-35C-02	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-35C-02	MWPT	$Tnbs_1$	S	S	CMP	E601	3	Y	
W-35C-02	MWPT	$Tnbs_1$	A	A	CMP	E8330:R+H	3	Y	
W-35C-04	EW	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-35C-04	EW	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-35C-04	EW	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-35C-04	EW	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-35C-04	EW	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	
W-35C-05	MWPT	Tps	A	A	CMP	E300.0:NO3	1	Y	
W-35C-05	MWPT	Tps	A	A	CMP	E300.0:PERC	1	Y	
W-35C-05	MWPT	Tps	S	S	CMP	E601	1	Y	
W-35C-05	MWPT	Tps	S	S	CMP	E601	3	Y	
W-35C-05	MWPT	Tps	A	A	CMP	E8330:R+H	1	Y	
W-35C-06	MWPT	Qal	A	A	CMP	E300.0:NO3	3	Y	
W-35C-06	MWPT	Qal	A	A	CMP	E300.0:PERC	3	Y	
W-35C-06	MWPT	Qal	S	S	CMP	E601	1	Y	
W-35C-06	MWPT	Qal	S	S	CMP	E601	3	Y	
W-35C-06	MWPT	Qal	A	A	CMP	E8330:R+H	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-35C-07	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-35C-07	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	

Table 2.4-9. High Explosive Process Area OU ground and surface water sampling and analysis plan. (Cont. Page 24 of 24)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35C-08	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-35C-08	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-35C-08	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-4A	MWPT	$Tnsc_2$	A	A	CMP	E300.0:NO3	3	Y	
W-4A	MWPT	$Tnsc_2$	A	A	CMP	E300.0:PERC	3	Y	
W-4A	MWPT	$Tnsc_2$	S	S	CMP	E601	1	Y	
W-4A	MWPT	$Tnsc_2$	S	S	CMP	E601	3	Y	
W-4A	MWPT	$Tnsc_2$	A	A	CMP	E8330:R+H	3	Y	
W-4AS	MWPT	Tps	A	A	CMP	E300.0:NO3	3	Y	
W-4AS	MWPT	Tps	A	A	CMP	E300.0:PERC	3	Y	
W-4AS	MWPT	Tps	S	S	CMP	E601	1	Y	
W-4AS	MWPT	Tps	S	S	CMP	E601	3	Y	
W-4AS	MWPT	Tps	A	A	CMP	E8330:R+H	3	Y	
W-4B	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-4B	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-4B	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-4B	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-4B	MWPT	$Tnbs_2$	A	A	CMP	E8330:R+H	1	Y	

Notes:

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).

[a] See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.

[b] Non CMP well. Analytes and sampling frequency are specified in the RCRA Closure Plan for the High Explosives Open Burn Facility.

[c] Analytes and sampling frequency are specified in the Waste Discharge Requirements for the High Explosives Surface Water Impoundments.

Table 2.4-10. Building 815-Source (B815-SRC) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)	RDX mass removed (g)	Nitrate mass removed (g)	Perchlorate mass removed (g)
B815-SRC	July	0.9	8.2	11,637	2.6
	August	1.5	13.4	19,169	4.3
	September	0.9	7.5	10,761	2.4
	October	1.0	8.2	11,998	2.4
	November	1.2	9.7	14,159	2.8
	December	1.2	9.8	14,302	2.8
Total		6.7	56.8	82,026	17.3

Table 2.4-11. Building 815-Proximal (B815-PRX) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (g)
B815-PRX	July	4.4	1.2	11,992
	August	8.2	2.2	22,258
	September	6.1	1.6	16,452
	October	7.5	1.7	18,673
	November	9.0	2.0	22,408
	December	11.2	2.5	27,872
Total		46.4	11.2	119,655

Table 2.4-12. Building 815-Distal Site Boundary (B815-DSB) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)
B815-DSB	July	2.7
	August	2.8
	September	1.4
	October	2.1
	November	3.2
	December	1.7
Total		13.9

Table 2.4-13. Building 817-Source (B817-SRC) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)	RDX mass removed (g)	Perchlorate mass removed (g)
B817-SRC	July	0	0.04	0.03
	August	0	0.04	0.03
	September	0	0.03	0.03
	October	0	0.04	0.02
	November	0	0.03	0.01
	December	0	0.03	0.02
Total		0	0.21	0.14

Table 2.5-1. Building 850 OU 2003 ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 2 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E601	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E601	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E624	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	1	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 3 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	2	N	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	4	N	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 4 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E601	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E601	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E624	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 5 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	2	N	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	4	N	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 6 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	N	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-06	DMW	$Tnbs_1$	A	A	CMP	E300.0:NO3	4	N	Inadvertently not sampled
K1-06	DMW	$Tnbs_1$			DIS	E601	2	Y	
K1-06	DMW	$Tnbs_1$	S	S	CMP	E906	2	Y	
K1-06	DMW	$Tnbs_1$	S	S	CMP	E906	4	Y	
K1-06	DMW	$Tnbs_1$	A	A	CMP	MS:UISO	4	N	Inadvertently not sampled
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 7 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-07[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 8 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-08[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 9 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-09[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K2-03	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
K2-03	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
K2-03	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
K2-03	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
K2-04C	MWPT	$Tnbs_1/Tnbs_0$	A	A	CMP	E300.0:NO3	2	N	Abandoned well.
K2-04C	MWPT	$Tnbs_1/Tnbs_0$	S	S	CMP	E906	2	N	Abandoned well.
K2-04C	MWPT	$Tnbs_1/Tnbs_0$	S	S	CMP	E906	4	N	Abandoned well.
K2-04C	MWPT	$Tnbs_1/Tnbs_0$	A	A	CMP	MS:UISO	2	N	Abandoned well.
K2-04D	MWPT	$Tnbs_1$		A	ERD/WGMG	AS:UISO	2	Y	
K2-04D	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-04D	MWPT	$Tnbs_1$		S	ERD/WGMG	E300.0:PERC	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 10 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K2-04D	MWPT	$Tnbs_1$		S	ERD/WGMG	E300.0:PERC	4	Y	
K2-04D	MWPT	$Tnbs_1$		S	ERD/WGMG	E601	2	N	
K2-04D	MWPT	$Tnbs_1$		S	ERD/WGMG	E601	4	N	
K2-04D	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	2	Y	
K2-04D	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	4	Y	
K2-04D	MWPT	$Tnbs_1$	A	A	CMP/WGMG	MS:UISO	2	Y	
K2-04S	MWPT	$Tnbs_1$		A	ERD/WGMG	AS:UISO	2	Y	
K2-04S	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-04S	MWPT	$Tnbs_1$		S	ERD/WGMG	E300.0:PERC	2	Y	
K2-04S	MWPT	$Tnbs_1$		S	ERD/WGMG	E300.0:PERC	4	Y	
K2-04S	MWPT	$Tnbs_1$		S	ERD/WGMG	E601	2	N	
K2-04S	MWPT	$Tnbs_1$		S	ERD/WGMG	E601	4	N	
K2-04S	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	2	Y	
K2-04S	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	4	Y	
K2-04S	MWPT	$Tnbs_1$	A	A	CMP/WGMG	MS:UISO	2	Y	
NC2-05	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-05	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-05	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-05	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-05	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-05A	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-05A	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-05A	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-05A	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-05A	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-06	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-06	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-06	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 11 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC2-06	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-06	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-06A	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-06A	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-06A	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-06A	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-06A	MWPT	$Tnbs_1$	A	S	CMP	MS:UISO	2	Y	
NC2-06A	MWPT	$Tnbs_1$	A	S	DIS	MS:UISO	4	Y	
NC2-09	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-09	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-09	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-09	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-09A	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Well was abandoned.
NC2-09A	MWPT	$Tnbs_1$	S	S	CMP	E906	2	N	Well was abandoned.
NC2-09A	MWPT	$Tnbs_1$	S	S	CMP	E906	4	N	Well was abandoned.
NC2-09A	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	N	Well was abandoned.
NC2-10	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-10	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-10	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-10	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$		A	ERD/WGMG	AS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	2	Y	
NC2-11D	MWPT	$Tnbs_1$		S	ERD/WGMG	E300.0:PERC	2	Y	
NC2-11D	MWPT	$Tnbs_1$		S	ERD/WGMG	E300.0:PERC	4	Y	
NC2-11D	MWPT	$Tnbs_1$			ERD/WGMG	E601	4	N	
NC2-11D	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	2	Y	
NC2-11D	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	4	Y	
NC2-11D	MWPT	$Tnbs_1$	A	A	CMP/WGMG	MS:UISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 12 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC2-11I	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-11I	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-11I	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-11I	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-11S	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-11S	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-11S	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-11S	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$		A	ERD/WGMG	AS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	2	Y	
NC2-12D	MWPT	$Tnbs_1$		A	ERD/WGMG	E300.0:PERC	2	Y	
NC2-12D	MWPT	$Tnbs_1$		A	ERD/WGMG	E300.0:PERC	4	Y	
NC2-12D	MWPT	$Tnbs_1$			ERD/WGMG	E601	4	N	
NC2-12D	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	2	Y	
NC2-12D	MWPT	$Tnbs_1$	S	S	CMP/WGMG	E906	4	Y	
NC2-12D	MWPT	$Tnbs_1$	A	A	CMP/WGMG	MS:UISO	2	Y	
NC2-12I	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-12I	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-12I	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-12I	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-12S	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-12S	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-12S	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-12S	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-13	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-13	MWPT	$Tnbs_1$		A	DIS	E601	2	Y	
NC2-13	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 13 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC2-13	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-13	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	N	
NC2-14S	MWPT	$Tnbs_1$		A	DIS	DWMETALS	2	N	
NC2-14S	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-14S	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-14S	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-14S	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-14S	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-15	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-15	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-15	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-15	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-16	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-16	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-16	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-16	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-16	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-17	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-17	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-17	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-17	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-18	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-18	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC2-18	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-18	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-18	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-19	MWPT	$Tnbs_1$		A	DIS	AS:UISO	2	N	
NC2-19	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 14 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC2-19	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-19	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-19	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC2-20	MWPT	$Tnbs_0$	A	A	CMP	E300.0:NO3	2	Y	
NC2-20	MWPT	$Tnbs_0$	S	S	CMP	E906	2	Y	
NC2-20	MWPT	$Tnbs_0$	S	S	CMP	E906	4	Y	
NC2-20	MWPT	$Tnbs_0$	A	A	CMP	MS:UISO	2	Y	
NC2-21	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-21	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC2-21	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC2-21	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-10	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-10	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-10	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-10	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-10	MWPT	$Tnbs_1$	A	A	DIS	MS:UISO	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	A	A	DIS	MS:UISO	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
NC7-14	MWPT	$Qal/Tnbs_1$	S	S	CMP	E906	2	N	Insufficient water.
NC7-14	MWPT	$Qal/Tnbs_1$	S	S	CMP	E906	4	N	Dry.
NC7-14	MWPT	$Qal/Tnbs_1$	A	A	CMP	MS:UISO	2	N	Insufficient water.
NC7-15	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-15	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-15	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 15 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC7-15	MWPT	Tnbs$_1$	S	S	CMP	E906	4	Y	
NC7-15	MWPT	Tnbs$_1$	A	A	CMP	MS:UISO	2	Y	
NC7-19	MWPT	Qal/Tnbs$_1$	A	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	S	CMP	E906	2	Y	
NC7-19	MWPT	Qal/Tnbs$_1$	S	S	CMP	E906	4	Y	
NC7-19	MWPT	Qal/Tnbs$_1$	A	A	CMP	MS:UISO	2	Y	
NC7-27	MWPT	Tnsc$_0$	A	A	CMP	E300.0:NO3	2	Y	
NC7-27	MWPT	Tnsc$_0$			DIS	E300.0:PERC	2	Y	
NC7-27	MWPT	Tnsc$_0$	S	S	CMP	E906	2	Y	
NC7-27	MWPT	Tnsc$_0$	S	S	CMP	E906	4	Y	
NC7-27	MWPT	Tnsc$_0$	A	A	CMP	MS:UISO	2	Y	
NC7-28	MWPT	Tnbs$_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-28	MWPT	Tnbs$_1$			DIS	E300.0:PERC	2	Y	
NC7-28	MWPT	Tnbs$_1$	S	S	CMP	E906	2	Y	
NC7-28	MWPT	Tnbs$_1$	S	S	CMP	E906	4	Y	
NC7-28	MWPT	Tnbs$_1$	A	A	CMP	MS:UISO	2	Y	
NC7-29	MWPT	Tnbs$_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-29	MWPT	Tnbs$_1$		A	DIS	E300.0:PERC	2	Y	
NC7-29	MWPT	Tnbs$_1$	S	S	CMP	E906	2	Y	
NC7-29	MWPT	Tnbs$_1$	S	S	CMP	E906	4	Y	
NC7-29	MWPT	Tnbs$_1$	A	A	CMP	MS:UISO	2	Y	
NC7-43	MWPT	Tnbs$_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-43	MWPT	Tnbs$_1$			DIS	E300.0:PERC	2	Y	
NC7-43	MWPT	Tnbs$_1$	S	S	CMP	E906	2	Y	
NC7-43	MWPT	Tnbs$_1$	S	S	CMP	E906	4	Y	
NC7-43	MWPT	Tnbs$_1$	A	A	CMP	MS:UISO	2	Y	
NC7-44	MWPT	Tnbs$_1$	A	A	CMP	E300.0:NO3	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 16 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC7-44	MWPT	$Tnbs_1$		A	DIS	E300.0:PERC	2	Y	
NC7-44	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-44	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-44	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-45	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
NC7-45	MWPT	$Tnbs_1$	S	S	CMP	E906	2	N	Insufficient water.
NC7-45	MWPT	$Tnbs_1$	S	S	CMP	E906	4	N	Inaccessible due to bent casing.
NC7-45	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	N	Insufficient water.
NC7-46	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-46	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-46	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-46	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-46	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-54	MWPT	Qal	A	A	CMP	E300.0:NO3	2	Y	
NC7-54	MWPT	Qal			DIS	E300.0:PERC	2	Y	
NC7-54	MWPT	Qal	S	S	CMP	E906	2	Y	
NC7-54	MWPT	Qal	S	S	CMP	E906	4	Y	
NC7-54	MWPT	Qal	A	A	CMP	MS:UISO	2	Y	
NC7-54	MWPT	Qal			DIS	MS:UISO	4	Y	
NC7-55	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
NC7-55	MWPT	$Tnbs_1$	S	S	CMP	E906	2	N	Insufficient water.
NC7-55	MWPT	$Tnbs_1$	S	S	CMP	E906	4	N	Dry.
NC7-55	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	N	Insufficient water.
NC7-56	MWPT	Qal/$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 17 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC7-57	MWPT	Qal	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
NC7-57	MWPT	Qal	S	S	CMP	E906	2	N	Insufficient water.
NC7-57	MWPT	Qal	S	S	CMP	E906	4	N	Dry.
NC7-57	MWPT	Qal	A	A	CMP	MS:UISO	2	N	Insufficient water.
NC7-58	MWPT	Qal	A	A	CMP	E300.0:NO3	2	Y	
NC7-58	MWPT	Qal			DIS	E300.0:PERC	2	Y	
NC7-58	MWPT	Qal	S	S	CMP	E906	2	Y	
NC7-58	MWPT	Qal	S	S	CMP	E906	4	Y	
NC7-58	MWPT	Qal	A	A	CMP	MS:UISO	2	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-59	MWPT	$Qal/Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-59	MWPT	$Qal/Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-60	MWPT	$Tnbs_0$		A	DIS	DWMETALS	2	Y	
NC7-60	MWPT	$Tnbs_0$	A	A	CMP	E300.0:NO3	2	Y	
NC7-60	MWPT	$Tnbs_0$			DIS	E300.0:PERC	2	Y	
NC7-60	MWPT	$Tnbs_0$	S	S	CMP	E906	2	Y	
NC7-60	MWPT	$Tnbs_0$	S	S	CMP	E906	4	Y	
NC7-60	MWPT	$Tnbs_0$	A	A	CMP	MS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$		A	ERD/WGMG	AS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$		A	ERD/WGMG	DWMETALS	2	N	
NC7-61	MWPT	$Tnbs_0$	A	A	CMP/WGMG	E300.0:NO3	4	Y	
NC7-61	MWPT	$Tnbs_0$			ERD/WGMG	E300.0:PERC	2	Y	
NC7-61	MWPT	$Tnbs_0$			ERD/WGMG	E300.0:PERC	4	Y	
NC7-61	MWPT	$Tnbs_0$			ERD/WGMG	E601	4	N	
NC7-61	MWPT	$Tnbs_0$	S	S	CMP/WGMG	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 18 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC7-61	MWPT	$Tnbs_0$	S	S	CMP/WGMG	E906	4	Y	
NC7-61	MWPT	$Tnbs_0$	A	A	CMP/WGMG	MS:UISO	2	Y	
NC7-62	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-62	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-62	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-62	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-62	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-69	MWPT	Tmss		A	ERD/WGMG	AS:UISO	2	Y	
NC7-69	MWPT	Tmss	A	A	CMP/WGMG	E300.0:NO3	2	Y	
NC7-69	MWPT	Tmss		A	ERD/WGMG	E300.0:PERC	2	Y	
NC7-69	MWPT	Tmss		S	ERD/WGMG	E601	2	Y	
NC7-69	MWPT	Tmss		S	ERD/WGMG	E601	4	Y	
NC7-69	MWPT	Tmss	S	S	CMP/WGMG	E906	2	Y	
NC7-69	MWPT	Tmss	S	S	CMP/WGMG	E906	4	Y	
NC7-69	MWPT	Tmss	A	A	CMP/WGMG	MS:UISO	2	Y	
NC7-70	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-70	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-70	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-70	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-70	MWPT	$Tnbs_1$			DIS	MS:UISO	1	Y	
NC7-70	MWPT	$Tnbs_1$	A	Q	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	A	CMP	E300.0:NO3	2	Y	
NC7-71	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 19 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
NC7-71	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-71	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-72	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-72	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-72	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-72	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-72	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-73	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-73	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
NC7-73	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-73	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-73	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
NC7-76	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC7-76	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
NC7-76	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
NC7-76	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
SPRING24	SPR	$Tnbs_0$/$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
SPRING24	SPR	$Tnbs_0$/$Tnbs_1$	S	Q	CMP	E906	2	Y	
SPRING24	SPR	$Tnbs_0$/$Tnbs_1$	S	Q	CMP	E906	4	Y	
SPRING24	SPR	$Tnbs_0$/$Tnbs_1$	A	A	CMP	MS:UISO	2	N	Insufficient water.
W-850-05	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-850-05	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
W-850-05	MWPT	$Tnbs_1$			DIS	E300.0:PERC	4	Y	
W-850-05	MWPT	$Tnbs_1$			DIS	E601	4	Y	
W-850-05	MWPT	$Tnbs_1$	S	S	CMP	E906	2	Y	
W-850-05	MWPT	$Tnbs_1$	S	S	CMP	E906	4	Y	
W-850-05	MWPT	$Tnbs_1$	A	A	CMP	MS:UISO	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	1	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 20 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E200.7:SIO2	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E300.0:NO3	1	N	GENMIN was analyzed.
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	A		CMP	E300.0:NO3	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E601	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E602	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E624	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E601	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E601	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E8330:R+H	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E8330:R+H	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E900	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E900	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	S	Q	DIS	E906	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	CMP	E906	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E906	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	S	Q	CMP	E906	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	GENMIN	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	GENMIN	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	A		CMP	MS:UISO	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 21 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	DWMETALS	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E200.7:SIO2	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E300.0:NO3	1	N	GENMIN was analyzed.
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	A		CMP	E300.0:NO3	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E300.0:PERC	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E601	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E602	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E624	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E601	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E601	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E8330:R+H	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E8330:R+H	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	E900	1	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	Q	DIS	E906	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	CMP	E906	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		Q	DIS	E906	3	N	Not on plan.
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	S	Q	CMP	E906	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	GENMIN	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	GENMIN	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$			DIS	MS:UISO	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	A		CMP	MS:UISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 22 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W8SPRNG	SPR	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W8SPRNG	SPR	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
W8SPRNG	SPR	$Tnbs_1$	S	S	CMP	E906	2	Y	
W8SPRNG	SPR	$Tnbs_1$	S	S	CMP	E906	4	Y	
W8SPRNG	SPR	$Tnbs_1$	A	A	CMP	MS:UISO	2	N	Insufficient water.
W-PIT1-01	MWB	$Tnbs_1$		Q	DIS	E601	1	N	Insufficient water.
W-PIT1-01	MWB	$Tnbs_1$		Q	DIS	E601	2	N	Insufficient water.
W-PIT1-01	MWB	$Tnbs_1$		Q	DIS	E601	3	N	Dry.
W-PIT1-01	MWB	$Tnbs_1$		Q	DIS	E601	4	N	Dry.
W-PIT1-01	MWB	$Tnbs_1$		S	DIS	E906	1	N	Insufficient water.
W-PIT1-01	MWB	$Tnbs_1$		S	DIS	E906	3	N	Dry.
W-PIT1-02	MWB	$Tnbs_1$			DIS	E601	1	Y	
W-PIT1-02	MWB	$Tnbs_1$			DIS	E601	2	Y	
W-PIT1-02	MWB	$Tnbs_1$			DIS	E601	3	Y	
W-PIT1-02	MWB	$Tnbs_1$		Q	DIS	E906	1	Y	
W-PIT1-02	MWB	$Tnbs_1$		Q	DIS	E906	2	Y	
W-PIT1-02	MWB	$Tnbs_1$		Q	DIS	E906	3	Y	
W-PIT1-02	MWB	$Tnbs_1$		Q	DIS	E906	4	Y	
W-PIT7-16	MWPT	$Tnsc_0$	S	S	CMP	E906	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	S	S	CMP	E906	4	Y	
W-PIT7-16	MWPT	$Tnsc_0$	A	A	CMP	MS:UISO	4	Y	
W-PIT7-16	MWPT	$Tnsc_0$	A	A	CMP	E300.0:NO3	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 23 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-01C[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 24 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E601	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E601	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E624	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	2	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	E906	4	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	2	N	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-02B[b]	DMW	$Tnbs_0$		Q	ERD/WGMG	MS:UISO	4	N	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 25 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	2	N	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	3	Y	
K1-03[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	MS:UISO	4	N	
K1-04[b]	DMW	$Tnbs_1$/$Tnbs_0$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-04[b]	DMW	$Tnbs_1$/$Tnbs_0$		Q	ERD/WGMG	AS:THISO	2	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 26 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E601	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E601	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E624	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	2	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	3	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	E906	4	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	1	Y	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	2	N	
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	3	Y	

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 27 of 28)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K1-04[b]	DMW	$Tnbs_1/Tnbs_0$		Q	ERD/WGMG	MS:UISO	4	N	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:THISO	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	AS:UISO	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:NO3	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E300.0:PERC	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	2	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E601	3	N	Not on plan.
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E624	4	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	1	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	2	N	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	3	Y	
K1-05[b]	DMW	$Tnbs_1$		Q	ERD/WGMG	E906	4	Y	

Notes and footnotes appear on following page.

Table 2.5-1. Building 850 OU ground and surface water sampling and analysis plan. (Cont. Page 28 of 28)

Notes:

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.

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.**

[b] **Non CMP well. DWM analytes and sampling frequency are specified in the Pit 6 Landfill Post Closure Plan.**

Table 2.6-1. Building 854-Source (B854-SRC) volumes of ground water and soil vapor wextracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B854-SRC	July	650	35,419	8,855
	August	374	23,330	4,666
	September	720	46,271	11,568
	October	649	41,614	10,404
	November	749	43,330	8,666
	December	567	26,707	6,677
Total		3,709	216,671	

Table 2.6-2. Building 854-Proximal (B854-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B854-PRX	July	478	31,570	7,893
	August	458	30,147	6,029
	September	408	26,538	6,635
	October	15	1,868	467
	November	276	24,528	4,906
	December	204	13,135	3,284
Total		1,839	127,786	

Table 2.6-3. Building 854 OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	Nitrate (as NO^3) (mg/L)	Perchlorate (μg/L)
B854-PRX-I	07/14/04	46.1	13
B854-PRX-I	10/25/04	47	13
B854-PRX-E	07/14/04	24.4	<4
B854-PRX-E	08/18/04	30.3	<4
B854-PRX-E	09/15/04	25.9	5.1
B854-PRX-E	10/25/04	<0.44	<4
B854-PRX-E	11/01/04	0.54	<4
B854-PRX-E	12/09/04	5.28	<4
B854-SRC-I	07/14/04	52.1	7.1
B854-SRC-I	10/06/04	53.5	6.1
B854-SRC-E	07/14/04	48.6	<4
B854-SRC-E	08/18/04	50.8	<4
B854-SRC-E	09/15/04	49.4	<4
B854-SRC-E	10/06/04	53.3	<4
B854-SRC-E	11/10/04	50.2	<4
B854-SRC-E	12/09/04	52.2	<4

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

Location	Date	Method	TCE µg/L	PCE µg/L	Total 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	Freon 11 µg/L	Freon 113 µg/L	Methylene chloride µg/L	Vinyl chloride µg/L
B854-PRX-I	07/14/04	E601	78	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-I	10/25/04	E601	61	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-E	08/18/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-E	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-E	10/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-E	11/01/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-PRX-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-I	07/14/04	E601	150 D	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-I	10/06/04	E601	190 DJ	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-E	08/18/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-E	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-E	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-E	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B854-SRC-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Analytes not listed on table above.

Location	Date	Method	Detection frequency
B854-PRX-I	07/14/04	E601	0 of 20
B854-PRX-I	10/25/04	E601	0 of 20
B854-PRX-E	07/14/04	E601	0 of 20
B854-PRX-E	08/18/04	E601	0 of 20
B854-PRX-E	09/15/04	E601	0 of 20
B854-PRX-E	10/25/04	E601	0 of 20
B854-PRX-E	11/01/04	E601	0 of 20
B854-PRX-E	12/09/04	E601	0 of 20
B854-SRC-I	07/14/04	E601	0 of 20
B854-SRC-I	10/06/04	E601	0 of 19
B854-SRC-E	07/14/04	E601	0 of 20
B854-SRC-E	08/18/04	E601	0 of 20
B854-SRC-E	09/15/04	E601	0 of 20
B854-SRC-E	10/06/04	E601	0 of 19
B854-SRC-E	11/10/04	E601	0 of 20
B854-SRC-E	12/09/04	E601	0 of 20

Table 2.6-5. Building 854 OU treatment facility sampling and analysis plans.

Sample location	Sample identification	Parameter	Frequency
B854-SRC GWTS			
Influent Port	STU08-I	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	STU08-E	VOCs	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly
B854-PRX GWTS			
Influent Port	STU02-I	VOCs	Quarterly
		Perchlorate	Quarterly
		Nitrate	Quarterly
		pH	Quarterly
Effluent Port	BTU03-E	VOCs	Monthly
		Perchlorate	Monthly
		Nitrate	Monthly
		pH	Monthly

Note:

One duplicate and one blank (given fictitious labels) shall be taken for every 10 samples.

Table 2.6-6. Building 854 OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
SPRING10	SPR	Qls	Q	Q	CMP	E601	1	Y	
SPRING10	SPR	Qls	Q	Q	CMP	E601	2	Y	
SPRING10	SPR	Qls	Q	Q	CMP	E601	3	Y	
SPRING10	SPR	Qls	Q	Q	CMP	E601	4	Y	
SPRING10	SPR	Qls	A	A	CMP	E300.0:NO3	2	Y	
SPRING10	SPR	Qls	A	A	CMP	E300.0:PERC	2	Y	
SPRING11	SPR	$Qls-Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
SPRING11	SPR	$Qls-Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
SPRING11	SPR	$Qls-Tnbs_1$	Q	Q	CMP	E601	1	Y	
SPRING11	SPR	$Qls-Tnbs_1$	Q	Q	CMP	E601	2	Y	
SPRING11	SPR	$Qls-Tnbs_1$	Q	Q	CMP	E601	3	Y	Analytical data was rejected based on QA/QC.
SPRING11	SPR	$Qls-Tnbs_1$	Q	Q	CMP	E601	4	Y	
SPRING18	SPR	Qls		A	DIS	AS:UISO	2	Y	
SPRING18	SPR	Qls		A	DIS	DWMETALS	2	Y	
SPRING18	SPR	Qls		A	DIS	E210.2	2	Y	
SPRING18	SPR	Qls		A	DIS	E601	2	Y	
SPRING18	SPR	Qls		A	DIS	E8330:R+H	2	Y	
SPRING18	SPR	Qls		A	DIS	E900	2	Y	
SPRING18	SPR	Qls		A	DIS	E906	2	Y	
W-854-01	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-854-01	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-854-01	MWPT	$Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-01	MWPT	$Tnbs_1$	S	S	CMP	E601	4	Y	
W-854-02	EW	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	Extraction well, see STU08-I results.
W-854-02	EW	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	Extraction well, see STU08-I results.
W-854-02	EW	$Tnbs_1$	S	S	CMP	E601	2	Y	Extraction well, see STU08-I results.
W-854-02	EW	$Tnbs_1$	S	S	CMP	E601	4	Y	Extraction well, see STU08-I results.
W-854-02	EW	$Tnbs_1$			DIS	TBOS	1	Y	Extraction well, see STU08-I results.

Table 2.6-6. Building 854 ground and surface water sampling and analysis plan. (Cont. Page 2 of 6)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-854-03	EW	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	Extraction well, see STU02-I results.
W-854-03	EW	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	Extraction well, see STU02-I results.
W-854-03	EW	$Tnbs_1$	S	S	CMP	E601	2	Y	Extraction well, see STU02-I results.
W-854-03	EW	$Tnbs_1$	S	S	CMP	E601	4	Y	Extraction well, see STU02-I results.
W-854-04	MWPT	Tmss	A	A	CMP	E300.0:NO3	2	Y	
W-854-04	MWPT	Tmss	A	A	CMP	E300.0:PERC	2	Y	
W-854-04	MWPT	Tmss	S	S	CMP	E601	2	Y	
W-854-04	MWPT	Tmss	S	S	CMP	E601	4	Y	
W-854-05	MWPT	$Qls\text{-}Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-854-05	MWPT	$Qls\text{-}Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-854-05	MWPT	$Qls\text{-}Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-05	MWPT	$Qls\text{-}Tnbs_1$	S	S	CMP	E601	4	Y	
W-854-06	MWPT	$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-06	MWPT	$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-06	MWPT	$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-06	MWPT	$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-07	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-854-07	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-854-07	MWPT	$Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-07	MWPT	$Tnbs_1$	S	S	CMP	E601	4	Y	
W-854-08	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-854-08	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-854-08	MWPT	$Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-08	MWPT	$Tnbs_1$	S	S	CMP	E601	4	Y	
W-854-09	MWPT	$Tnsbs_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-09	MWPT	$Tnsbs_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-09	MWPT	$Tnsbs_0$	S	S	CMP	E601	2	Y	
W-854-09	MWPT	$Tnsbs_0$	S	S	CMP	E601	4	Y	
W-854-10	MWPT	$Tnsbs_0$	A	A	CMP	E300.0:NO3	2	Y	

Table 2.6-6. Building 854 ground and surface water sampling and analysis plan. (Cont. Page 3 of 6)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-854-10	MWPT	$Tnsbs_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-10	MWPT	$Tnsbs_0$	S	S	CMP	E601	2	Y	
W-854-10	MWPT	$Tnsbs_0$	S	S	CMP	E601	4	Y	
W-854-10	MWPT	$Tnsbs_0$			DIS	TBOS	1	Y	
W-854-10	MWPT	$Tnsbs_0$			DIS	TBOS	2	Y	
W-854-11	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
W-854-11	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
W-854-11	MWPT	$Tnbs_1$	A	A	CMP	E601	2	N	Insufficient water. Sampling frequency changed to annual due to continued lack of water.
W-854-12	MWPT	Tmss	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
W-854-12	MWPT	Tmss	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
W-854-12	MWPT	Tmss	S	S	CMP	E601	2	N	Insufficient water.
W-854-12	MWPT	Tmss	S	S	CMP	E601	4	N	Insufficient water.
W-854-13	MWPT	$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-13	MWPT	$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-13	MWPT	$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-13	MWPT	$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-13	MWPT	$Tnsc_0$	B	B	CMP	PCBS	2	N	Not required. Next sample required 2ndQ 2005.
W-854-14	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
W-854-14	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
W-854-14	MWPT	$Tnbs_1$	A	A	CMP	E601	2	N	Insufficient water. Sampling frequency changed to annual due to continued lack of water.
W-854-15	MWPT	Qls	A	A	CMP	E300.0:NO3	2	Y	
W-854-15	MWPT	Qls	A	A	CMP	E300.0:PERC	2	Y	
W-854-15	MWPT	Qls	S	S	CMP	E601	2	Y	
W-854-15	MWPT	Qls	S	S	CMP	E601	4	Y	
W-854-15	MWPT	Qls			DIS	MS:UISO	1	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	

Table 2.6-6. Building 854 ground and surface water sampling and analysis plan. (Cont. Page 4 of 6)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$			DIS	TBOS	1	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$			DIS	TBOS	2	Y	
W-854-1701	MWPT	$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-1701	MWPT	$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-1701	MWPT	$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-1701	MWPT	$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-1706	MWPT	Qal-$Tnbs_1$	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
W-854-1706	MWPT	Qal-$Tnbs_1$	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
W-854-1706	MWPT	Qal-$Tnbs_1$	A	A	CMP	E601	2	N	Insufficient water. Sampling frequency changed to annual due to continued lack of water.
W-854-1707	MWPT	$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-1707	MWPT	$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-1707	MWPT	$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-1707	MWPT	$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-1731	MWPT	Tmss	A	A	CMP	E300.0:NO3	2	Y	
W-854-1731	MWPT	Tmss	A	A	CMP	E300.0:PERC	2	Y	
W-854-1731	MWPT	Tmss	S	S	CMP	E601	2	Y	
W-854-1731	MWPT	Tmss	S	S	CMP	E601	4	Y	
W-854-1731	MWPT	Tmss			DIS	E906	2	Y	
W-854-1822	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-854-1822	MWPT	$Tnbs_1$			DIS	E300.0:NO3	2	Y	
W-854-1822	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-854-1822	MWPT	$Tnbs_1$			DIS	E300.0:PERC	2	Y	
W-854-1822	MWPT	$Tnbs_1$	S	S	CMP	E601	1	Y	
W-854-1822	MWPT	$Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-1822	MWPT	$Tnbs_1$			DIS	TBOS	1	Y	

Table 2.6-6. Building 854 ground and surface water sampling and analysis plan. (Cont. Page 5 of 6)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-854-1822	MWPT	$Tnbs_1$			DIS	TBOS	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	1	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	3	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	4	N	Not required.
W-854-18A	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-854-18A	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-854-18A	MWPT	$Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-18A	MWPT	$Tnbs_1$	S	S	CMP	E601	4	Y	
W-854-18A	MWPT	$Tnbs_1$		Q	DIS	MS:UISO	1	Y	
W-854-18A	MWPT	$Tnbs_1$			DIS	TBOS	1	Y	
W-854-18A	MWPT	$Tnbs_1$			DIS	TBOS	2	Y	
W-854-19	MWPT	Qls	A	A	CMP	E300.0:NO3	2	N	Insufficient water.
W-854-19	MWPT	Qls	A	A	CMP	E300.0:PERC	2	N	Insufficient water.
W-854-19	MWPT	Qls	A	A	CMP	E601	2	N	Insufficient water. Sampling frequency changed to annual due to continued lack of water.
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	A	A	CMP	E300.0:NO3	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	A	A	CMP	E300.0:PERC	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	S	S	CMP	E601	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	S	S	CMP	E601	4	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	1	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	3	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$		Q	DIS	TBOS	4	N	Not required.
W-854-45	MWPT	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	

Table 2.6-6. Building 854 ground and surface water sampling and analysis plan. (Cont. Page 6 of 6)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-854-45	MWPT	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-854-45	MWPT	$Tnbs_1$	S	S	CMP	E601	2	Y	
W-854-45	MWPT	$Tnbs_1$	S	S	CMP	E601	4	Y	
W-854-F2	MWPT	$Qls\text{-}Tnbs_1$	B	B	CMP	E300.0:NO3	2	N	Not required. Next sample required 2ndQ 2005.
W-854-F2	MWPT	$Qls\text{-}Tnbs_1$	B	B	CMP	E300.0:PERC	2	N	Not required. Next sample required 2ndQ 2005.
W-854-F2	MWPT	$Qls\text{-}Tnbs_1$	B	B	CMP	E601	2	N	Not required. Next sample required 2ndQ 2005.

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

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.**

Table 2.6-7. Building 854-Source (B854-SRC) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)	Nitrate mass removed (kg)	Perchlorate mass removed (g)
B854-SRC	July	20.1	7.0	1.0
	August	13.2	4.6	0.6
	September	26.3	9.1	1.2
	October	29.9	8.4	1.0
	November	31.2	8.8	1.0
	December	19.2	5.4	0.6
Total		140	43	5.4

Table 2.6-8. Building 854-Proximal (B854-PRX) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)	Nitrate mass removed (kg)	Perchlorate mass removed (g)
B854-PRX	July	9.3	1.6	5.5
	August	8.9	1.5	5.3
	September	7.8	1.3	4.6
	October	0.4	0.1	0.3
	November	5.7	1.2	4.4
	December	3.0	0.6	2.3
Total		35	6.3	22

Table 2.7-1. Building 832-Source (B832-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Volume of vapor extracted (thousands of ft^3)	Average weekly volume of water treated (gal)
B832-SRC	July	384	373	0[a]	93
	August	816	464	0[a]	93
	September	480	186	0[a]	62
	October	696	347	0[a]	87
	November	504	160	0[a]	53
	December	164	85	0[a]	42
Total		3,044	1,615	0[a]	

[a] B832-SRC SVE system is off line as part of a vapor rebound test being conducted at this facility.

Table 2.7-2. Building 830-Source (B830-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours (SVE)	Volume of ground water discharged (gal)	Volume of vapor extracted (thousands of ft^3)	Average weekly volume of water treated (gal)
B830-SRC	July	138	2,380	2,070[a]	595
	August	147	2,385	2,205[a]	477
	September	109	3,091	1,635[a]	773
	October	170	2,177	2,550[a]	544
	November	469	2,653	7,035[a]	531
	December	625	1,344	9,375[a]	336
Total		1,658	14,030	24,870[a]	

[a] B830-SRC SVE system in testing phase. A flow rate of 0.25 scfm was assumed.

Table 2.7-3. Building 830-Proximal North (B830-PRXN) volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B830-PRX	July	0	0	0
	August	193	15,848	5,283
	September	4	3	1
	October	278	22,586	5,647
	November	0	0	0
	December	243	20,141	5,035
Total		718	58,575	

Table 2.7-4. Building 830-Distal South (B830-DISS) volumes of ground water and soil vapor extracted and discharged, July 1, 2004 through December 31, 2004.

Treatment facility	Month	Operational hours	Volume of ground water discharged (gal)	Average weekly volume of water treated (gal)
B830-DISS	July	672	38,063	9,516
	August	816	43,592	8,718
	September	720	49,625	12,406
	October	648	45,560	11,390
	November	816	58,570	11,714
	December	672	51,500	12,875
Total		4,344	286,910	

Table 2.7-5. Building 834 OU VOCs in ground water extraction treatment system influent and effluent.

Location	Date	Method	TCE µg/L	PCE µg/L	Total 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	Freon 11 µg/L	Freon 113 µg/L	Methylene chloride µg/L	Vinyl chloride µg/L
B830-SRC-I	07/14/04	E601	2,900 D	3.4	<1	<0.5	1.3	<0.5	1.1	0.6	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-I	10/06/04	E601	2,700 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
B830-PRXN-E	08/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-PRXN-E	09/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-PRXN-E	10/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-PRXN-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-PRXN-I	08/25/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-E	08/18/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-E	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-E	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-E	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-SRC-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-I	07/14/04	E601	48	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-I	10/06/04	E601	57	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-E	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-E	09/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-E	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-E	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B832-SRC-E	12/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-I	07/14/04	E601	90 D	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-I	10/06/04	E601	97	<0.5 J	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-E	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-E	08/18/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-E	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-E	10/06/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-E	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
B830-DISS-E	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Table 2.7-5. Building 834 OU VOCs in ground water extraction treatment system influent and effluent. (Cont. Page 2 of 2) Analytes not listed in previous page:

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)
B830-SRC-I	07/14/04	E601	1 of 20	0.63	–	B830-SRC-I
B830-SRC-I	10/06/04	E601	0 of 19	–	–	B830-SRC-I
B830-PRXN-E	08/25/04	E601	0 of 20	–	–	B830-PRXN-E
B830-PRXN-E	09/29/04	E601	0 of 20	–	–	B830-PRXN-E
B830-PRXN-E	10/05/04	E601	0 of 20	–	–	B830-PRXN-E
B830-PRXN-E	12/09/04	E601	0 of 20	–	–	B830-PRXN-E
B830-PRXN-I	08/25/04 DUP	E601	0 of 20	–	–	B830-PRXN-I
B830-SRC-E	07/14/04	E601	0 of 20	–	–	B830-SRC-E
B830-SRC-E	08/18/04	E601	0 of 20	–	–	B830-SRC-E
B830-SRC-E	09/15/04	E601	0 of 20	–	–	B830-SRC-E
B830-SRC-E	10/06/04	E601	0 of 20	–	–	B830-SRC-E
B830-SRC-E	11/10/04	E601	0 of 20	–	–	B830-SRC-E
B830-SRC-E	12/09/04	E601	0 of 20	–	–	B830-SRC-E
B832-SRC-I	07/14/04	E601	1 of 20	–	1.2	B832-SRC-I
B832-SRC-I	10/06/04	E601	1 of 19	–	1.3	B832-SRC-I
B832-SRC-E	07/14/04	E601	0 of 20	–	–	B832-SRC-E
B832-SRC-E	08/11/04	E601	0 of 20	–	–	B832-SRC-E
B832-SRC-E	09/07/04	E601	0 of 20	–	–	B832-SRC-E
B832-SRC-E	10/06/04	E601	0 of 19	–	–	B832-SRC-E
B832-SRC-E	11/10/04	E601	0 of 20	–	–	B832-SRC-E
B832-SRC-E	12/14/04	E601	0 of 20	–	–	B832-SRC-E
B830-DISS-I	07/14/04	E601	0 of 20	–	–	B830-DISS-I
B830-DISS-I	10/06/04	E601	0 of 19	–	–	B830-DISS-I
B830-DISS-E	07/14/04	E601	0 of 20	–	–	B830-DISS-E
B830-DISS-E	08/18/04	E601	0 of 20	–	–	B830-DISS-E
B830-DISS-E	09/15/04	E601	0 of 20	–	–	B830-DISS-E
B830-DISS-E	10/06/04	E601	0 of 19	–	–	B830-DISS-E
B830-DISS-E	11/10/04	E601	0 of 20	–	–	B830-DISS-E
B830-DISS-E	12/09/04	E601	0 of 20	–	–	B830-DISS-E

Table 2.7-6. Building 832 Canyon OU nitrate and perchlorate in ground water treatment system influent and effluent.

Location	Date	Nitrate (as NO_3) (mg/L)	Perchlorate (μg/L)
B830-SRC-I	07/14/04	130 D	7.7
B830-SRC-I	10/06/04	128 D	9
B830-PRXN-E	08/25/04	17 D	<4
B830-PRXN-E	09/29/04	13.5 D	<4
B830-PRXN-E	10/05/04	18.1 D	<4
B830-PRXN-E	12/09/04	-	<4
B830-SRC-E	07/14/04	84.3	<4
B830-SRC-E	08/18/04	100 D	<4
B830-SRC-E	09/15/04	90.8 D	<4
B830-SRC-E	10/06/04	82.3 D	<4
B830-SRC-E	11/10/04	83.6	<4
B830-SRC-E	12/09/04	85.5 D	<4
B832-SRC-I	07/14/04	121 D	10
B832-SRC-I	10/06/04	120 D	12
B832-SRC-E	07/14/04	130 D	<4
B832-SRC-E	08/11/04	131 D	8.2
B832-SRC-E	09/07/04	117 D	7.6
B832-SRC-E	09/20/04	–	<4
B832-SRC-E	10/06/04	111 D	<4
B832-SRC-E	11/10/04	100 D	<4
B832-SRC-E	12/14/04	<0.88 D	<4
B830-DISS-I	07/14/04	63.3	5.4
B830-DISS-I	10/06/04	63.1	<4
B830-DISS-E	07/14/04	<0.44	<4
B830-DISS-E	08/18/04	28.7	<4
B830-DISS-E	09/15/04	43.2	<4
B830-DISS-E	10/06/04	38.5	<4
B830-DISS-E	11/10/04	17.1	<4
B830-DISS-E	12/09/04	23.8	<4

Table 2.7-7. Building 832 Canyon treatment facility sampling and analysis plans.

Sample Location	Sample Identification	Parameter	Frequency
B832-SRC GWTS			
Influent Port	**TF-832-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port (influent to misting system)	**TF-832-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**Monthly**
B832-SRC SVE			
Influent Port	**TF-832-SVI**	**No CMP Requirements**	
Effluent Port	**TF-832-SVE**	**VOCs**	**Weekly**[a]
B830-SRC GWTS			
Influent Port	**GTU05-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		PH	**Quarterly**
Effluent Port (influent to misting system)	**GTU05-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**Monthly**
B830-SRC SVE			
Influent Port	**VES06-I**	**No CMP Requirements**	
Effluent Port	**VES06-E**	**VOCs**	**Weekly**[a]
B830-PRX GWTS			
Influent Port	**STU03-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
Effluent Port	**STU03-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**

Table 2.7-7. Building 832 Canyon treatment facility sampling and analysis plans.

		Nitrate	**Monthly**
B830-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**

[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.**

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
SPRING3	SPR	Qal	A	A	CMP	E300.0:NO3	3	Y	
SPRING3	SPR	Qal	A	A	CMP	E300.0:PERC	3	Y	
SPRING3	SPR	Qal	S	S	CMP	E601	1	Y	
SPRING3	SPR	Qal	S	S	CMP	E601	3	Y	
SPRING4	SPR	Tps	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
SPRING4	SPR	Tps	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
SPRING4	SPR	Tps	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
SVI-830-031	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
SVI-830-031	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
SVI-830-031	MWPT	$Tnsc_1$	S	S	CMP	E601	1	N	Insufficient water.
SVI-830-031	MWPT	$Tnsc_1$	S	S	CMP	E601	3	N	Insufficient water.
SVI-830-032	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
SVI-830-032	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
SVI-830-032	MWPT	$Tnsc_1$	S	S	CMP	E601	1	N	Insufficient water.
SVI-830-032	MWPT	$Tnsc_1$	S	S	CMP	E601	3	N	Dry.
SVI-830-033	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
SVI-830-033	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
SVI-830-033	MWPT	$Tnsc_1$	S	S	CMP	E601	1	N	Insufficient water.
SVI-830-033	MWPT	$Tnsc_1$	S	S	CMP	E601	3	Y	
SVI-830-035	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
SVI-830-035	MWPT	$Tnsc_1$			DIS	E300.0:NO3	2	Y	
SVI-830-035	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
SVI-830-035	MWPT	$Tnsc_1$		Q	DIS	E300.0:PERC	2	Y	
SVI-830-035	MWPT	$Tnsc_1$	S	Q	CMP	E601	1	Y	
SVI-830-035	MWPT	$Tnsc_1$		Q	DIS	E601	2	Y	
SVI-830-035	MWPT	$Tnsc_1$	S	Q	CMP	E601	3	N	Insufficient water.
SVI-830-035	MWPT	$Tnsc_1$		Q	DIS	E601	4	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	A	A	CMP	E300.0:NO3	1	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 2 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	S	S	CMP	E601	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	S	S	CMP	E601	3	Y	
W-830-07	MWPT	$Tnsc_1$	A	A	CMP	E300.0:NO3	3	N	Dry.
W-830-07	MWPT	$Tnsc_1$	A	A	CMP	E300.0:PERC	3	N	Dry.
W-830-07	MWPT	$Tnsc_1$	S	S	CMP	E601	1	N	Insufficient water.
W-830-07	MWPT	$Tnsc_1$	S	S	CMP	E601	3	N	Dry.
W-830-09	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	3	Y	
W-830-09	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	3	Y	
W-830-09	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-10	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-11	MWPT	$Tnsc_{1c}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	S	S	CMP	E601	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	S	S	CMP	E601	3	Y	
W-830-12	MWPT	Lower $Tnbs_1$	A	A	CMP	E300.0:NO3	3	Y	
W-830-12	MWPT	Lower $Tnbs_1$	A	A	CMP	E300.0:PERC	3	Y	
W-830-12	MWPT	Lower $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-13	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-830-13	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-830-13	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-830-13	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-830-14	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-15	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	4	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 3 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-15	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	4	Y	
W-830-15	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-15	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-16	GW	$Tnsc_{1b}$	S	S	CMP	E300.0:NO3	1	Y	
W-830-16	GW	$Tnsc_{1b}$	S	S	CMP	E300.0:NO3	3	Y	
W-830-16	GW	$Tnsc_{1b}$	S	S	CMP	E300.0:PERC	1	Y	
W-830-16	GW	$Tnsc_{1b}$	S	S	CMP	E300.0:PERC	3	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	Q	CMP	E601	1	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	Q	CMP	E601	2	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	Q	CMP	E601	3	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	Q	CMP	E601	4	Y	
W-830-17	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-830-17	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-830-17	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-830-17	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-830-1730	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-1730	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-1730	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-1730	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-18	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-1807	EW	Qal/$Tnsc_1$			DIS	DWMETALS	2	Y	
W-830-1807	EW	Qal/$Tnsc_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-1807	EW	Qal/$Tnsc_1$			DIS	E300.0:NO3	2	Y	
W-830-1807	EW	Qal/$Tnsc_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-1807	EW	Qal/$Tnsc_1$			DIS	E300.0:PERC	2	Y	
W-830-1807	EW	Qal/$Tnsc_1$	S	S	CMP	E601	1	Y	
W-830-1807	EW	Qal/$Tnsc_1$			DIS	E601	2	Y	
W-830-1807	EW	Qal/$Tnsc_1$	S	S	CMP	E601	3	Y	
W-830-1807	EW	Qal/$Tnsc_1$			DIS	E602	2	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 4 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-1807	EW	Qal/$Tnsc_1$			DIS	E8330:R+H	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	AS:UISO	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	DWMETALS	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	DWMETALS	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E300.0:NO3	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E300.0:PERC	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E601	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E602	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E602	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E8330:R+H	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E8330:R+H	2	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E900	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	E906	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	GENMIN	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$			DIS	GENMIN	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	AS:UISO	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	DWMETALS	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	DWMETALS	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E300.0:NO3	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E300.0:PERC	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E601	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E602	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E602	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E8330:R+H	1	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 5 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E8330:R+H	2	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E900	1	N	Insufficient water.
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	E906	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	GENMIN	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$			DIS	GENMIN	2	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	AS:UISO	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	DWMETALS	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	DWMETALS	2	Y	
W-830-1831	GW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E300.0:NO3	2	Y	
W-830-1831	GW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E300.0:PERC	2	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E601	2	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E602	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E602	2	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E8330:R+H	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E8330:R+H	2	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E900	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	E906	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	GENMIN	1	Y	
W-830-1831	GW	$Tnsc_{1b}$			DIS	GENMIN	2	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	AS:UISO	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	DWMETALS	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	DWMETALS	2	Y	
W-830-1832	GW	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E300.0:NO3	2	Y	
W-830-1832	GW	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E300.0:PERC	2	Y	
W-830-1832	GW	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E601	2	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 6 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-1832	GW	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E602	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E602	2	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E8330:R+H	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E8330:R+H	2	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E900	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	E906	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	GENMIN	1	Y	
W-830-1832	GW	Upper $Tnbs_1$			DIS	GENMIN	2	Y	
W-830-19	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	3	Y	
W-830-19	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	3	Y	
W-830-19	EW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-19	EW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-20	GW	Upper $Tnbs_1$	S	S	CMP	E300.0:NO3	1	Y	
W-830-20	GW	Upper $Tnbs_1$	S	S	CMP	E300.0:NO3	3	Y	
W-830-20	GW	Upper $Tnbs_1$	S	S	CMP	E300.0:PERC	1	Y	
W-830-20	GW	Upper $Tnbs_1$	S	S	CMP	E300.0:PERC	3	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	Q	CMP	E601	1	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	Q	CMP	E601	2	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	Q	CMP	E601	3	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	Q	CMP	E601	4	Y	
W-830-21	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-22	MWPT	$Tnsc_{1a}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	S	S	CMP	E601	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	S	S	CMP	E601	3	Y	
W-830-25	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 7 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-25	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-26	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-27	MWPT	$Tnsc_{1a}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	S	S	CMP	E601	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	S	S	CMP	E601	3	Y	
W-830-28	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-29	MWPT	Lower $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	A	A	CMP	E300.0:NO3	3	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	A	A	CMP	E300.0:PERC	3	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	S	S	CMP	E601	1	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	S	S	CMP	E601	3	Y	
W-830-34	MWPT	Qal/$Tnsc_1$	A	A	CMP	E300.0:NO3	3	Y	
W-830-34	MWPT	Qal/$Tnsc_1$	A	A	CMP	E300.0:PERC	3	Y	
W-830-34	MWPT	Qal/$Tnsc_1$	S	S	CMP	E601	1	Y	
W-830-34	MWPT	Qal/$Tnsc_1$	S	S	CMP	E601	3	Y	
W-830-49	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-50	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 8 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-50	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-51	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-51	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-51	EW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-51	EW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-52	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-52	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-52	EW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-52	EW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-53	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-53	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-53	EW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-53	EW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-54	MWPT	$Tnsc_{1c}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	S	S	CMP	E601	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	S	S	CMP	E601	3	Y	
W-830-55	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-56	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-57	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-57	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-57	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-57	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-830-58	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-58	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-58	EW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 9 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-58	EW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-59	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-830-59	EW	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-830-59	EW	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-830-59	EW	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-830-60	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	3	Y	
W-831-01	MWB	Lower $Tnbs_1$	B	B	CMP	E300.0:NO3	1	N	Next sample required 1ndQ 2005.
W-831-01	MWB	Lower $Tnbs_1$	B	B	CMP	E300.0:PERC	1	N	Next sample required 1ndQ 2005.
W-831-01	MWB	Lower $Tnbs_1$	B	B	CMP	E601	1	N	Next sample required 1ndQ 2005.
W-832-01	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-01	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-01	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-01	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-05	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-05	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-05	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-05	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-06	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-06	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-06	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-06	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	N	No access due to D&D of building.
W-832-09	MWPT	Lower $Tnbs_1$	A	A	CMP	E300.0:NO3	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	A	A	CMP	E300.0:PERC	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	S	S	CMP	E601	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	S	S	CMP	E601	3	Y	
W-832-10	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-10	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-10	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-10	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 10 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-11	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-11	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-11	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-11	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-12	EW	Qal/fill	A	A	CMP	E300.0:NO3	1	Y	
W-832-12	EW	Qal/fill	A	A	CMP	E300.0:PERC	1	Y	
W-832-12	EW	Qal/fill	S	S	CMP	E601	1	Y	
W-832-12	EW	Qal/fill	S	S	CMP	E601	3	Y	
W-832-13	EW	Qal/fill	A	A	CMP	E300.0:NO3	1	Y	
W-832-13	EW	Qal/fill	A	A	CMP	E300.0:PERC	1	Y	
W-832-13	EW	Qal/fill	S	S	CMP	E601	1	Y	
W-832-13	EW	Qal/fill	S	S	CMP	E601	3	Y	
W-832-14	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	Y	
W-832-14	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	Y	
W-832-14	EW	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-14	EW	Qal/fill	S	S	CMP	E601	3	Y	
W-832-15	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	Y	
W-832-15	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	Y	
W-832-15	EW	Qal/fill	S	S	CMP	E601	1	Y	
W-832-15	EW	Qal/fill	S	S	CMP	E601	3	Y	
W-832-15	EW	Qal/fill	B	B	CMP	E8330	1	N	Next sample required 1ndQ 2005.
W-832-16	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-16	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.
W-832-16	EW	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-16	EW	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-17	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-17	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.
W-832-17	EW	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-17	EW	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-18	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-18	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.
W-832-18	EW	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 11 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-18	EW	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-19	MWPT	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-19	MWPT	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.
W-832-19	MWPT	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-19	MWPT	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	AS:UISO	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	DWMETALS	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	DWMETALS	2	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E300.0:NO3	2	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E300.0:PERC	2	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E601	2	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E602	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E602	2	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E8330:R+H	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E8330:R+H	2	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	E900	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	GENMIN	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$			DIS	GENMIN	2	Y	
W-832-20	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-20	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.
W-832-20	EW	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-20	EW	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-21	MWPT	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-21	MWPT	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.
W-832-21	MWPT	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-21	MWPT	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-22	EW	Qal/fill	A	A	CMP	E300.0:NO3	3	N	Dry.
W-832-22	EW	Qal/fill	A	A	CMP	E300.0:PERC	3	N	Dry.

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 12 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-22	EW	Qal/fill	S	S	CMP	E601	1	N	Insufficient water.
W-832-22	EW	Qal/fill	S	S	CMP	E601	3	N	Dry.
W-832-23	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-23	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-23	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-23	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-24	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-25	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:NO3	1	Y	
W-832-25	MWPT	$Tnsc_{1b}$	A	A	CMP	E300.0:PERC	1	Y	
W-832-25	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	1	Y	
W-832-25	MWPT	$Tnsc_{1b}$	S	S	CMP	E601	3	Y	
W-832-SC1	MWPT	Qal	A	A	CMP	E300.0:NO3	4	N	Dry.
W-832-SC1	MWPT	Qal	A	A	CMP	E300.0:PERC	4	N	Dry.
W-832-SC1	MWPT	Qal	S	S	CMP	E601	1	N	Insufficient water.
W-832-SC1	MWPT	Qal	S	S	CMP	E601	3	Y	
W-832-SC2	MWPT	Qal	A	A	CMP	E300.0:NO3	4	N	Dry.
W-832-SC2	MWPT	Qal	A	A	CMP	E300.0:PERC	4	N	Dry.
W-832-SC2	MWPT	Qal	S	S	CMP	E601	1	N	Insufficient water.
W-832-SC2	MWPT	Qal	S	S	CMP	E601	3	N	Dry.
W-832-SC3	MWPT	Qal	A	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-832-SC3	MWPT	Qal	A	A	CMP	E300.0:PERC	1	N	Insufficient water.
W-832-SC3	MWPT	Qal	S	S	CMP	E601	1	Y	
W-832-SC3	MWPT	Qal	S	S	CMP	E601	3	N	Dry.
W-832-SC4	MWPT	Qal	A	A	CMP	E300.0:NO3	1	Y	
W-832-SC4	MWPT	Qal	A	A	CMP	E300.0:PERC	1	Y	
W-832-SC4	MWPT	Qal	S	S	CMP	E601	1	Y	
W-832-SC4	MWPT	Qal	S	S	CMP	E601	3	N	Dry.
W-870-01	MWPT	Qal	A	A	CMP	E300.0:NO3	3	N	Dry.
W-870-01	MWPT	Qal	A	A	CMP	E300.0:PERC	3	N	Dry.

Table 2.7-8. Building 832 Canyon OU ground and surface water sampling and analysis plan. (Cont. Page 13 of 13)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-870-01	MWPT	Qal	S	S	CMP	E601	1	N	Insufficient water.
W-870-01	MWPT	Qal	S	S	CMP	E601	3	N	Dry.
W-870-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:NO3	1	Y	
W-870-02	MWPT	$Tnbs_2$	A	A	CMP	E300.0:PERC	1	Y	
W-870-02	MWPT	$Tnbs_2$	S	S	CMP	E601	1	Y	
W-870-02	MWPT	$Tnbs_2$	S	S	CMP	E601	3	Y	
W-880-01	GW	$Tnbs_2$	S		CMP	E300.0:NO3			See High Explosives Process Area
W-880-01	GW	$Tnbs_2$	S		CMP	E300.0:PERC			See High Explosives Process Area
W-880-01	GW	$Tnbs_2$	Q		CMP	E601			See High Explosives Process Area
W-880-02	GW	Qal	S		CMP	E300.0:NO3			See High Explosives Process Area
W-880-02	GW	Qal	S		CMP	E300.0:PERC			See High Explosives Process Area
W-880-02	GW	Qal	Q		CMP	E601			See High Explosives Process Area
W-880-03	GW	$Tnsc_{1b}$	S		CMP	E300.0:NO3			See High Explosives Process Area
W-880-03	GW	$Tnsc_{1b}$	S		CMP	E300.0:PERC			See High Explosives Process Area
W-880-03	GW	$Tnsc_{1b}$	Q		CMP	E601			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).

Building 832 Contaminants of Concern in the Vadose Zone not detected in Ground Water: HE compounds.

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.**

Table 2.7-9. Building 832-Source (B832-SRC) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	GWTS VOC mass removed (g)	GWTS Nitrate mass removed (g)	GWTS Perchlorate mass removed (g)	SVE VOC mass removed (g)
B832-SRC	July	0.069	171	0.014	0[a]
	August	0.086	213	0.018	0[a]
	September	0.035	85	0.007	0[a]
	October	0.077	158	0.016	0[a]
	November	0.035	73	0.007	0[a]
	December	0.019	39	0.004	0[a]
Total		0.321	739	0.066	0[a]

a B832-SRC SVE system is off line as part of a vapor rebound test being conducted at this facility.

Table 2.7-10. Building 830-Source (B830-SRC) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	GWTS VOC mass removed (g)	GWTS Nitrate mass removed (g)	GWTS Perchlorate mass removed (g)	SVE VOC mass removed (g)
B830-SRC	July	26.2	1,171	0.069	0.0125[a]
	August	26.2	1,173	0.070	0.0133[a]
	September	34.0	1,521	0.090	0.0099[a]
	October	22.2	1,055	0.074	0[b]
	November	27.1	1,285	0.090	0[b]
	December	13.7	651	0.046	0[b]
Total		149.4	6,856	0.439	0.0357

a The values reported are estimates as the B830-SRC SVE system is in the testing phase. A flow rate of 0.25 scfm was assumed.

b The values are "0" because the influent was ND.

Table 2.7-11. Building 830-Proximal North (B830-PRXN) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)
B830-PRX	July	0.0
	August	1.8
	September	0.0
	October	2.7
	November	0.0
	December	2.4
Total		6.9

Table 2.7-12. Building 830-Distal South (B830-DISS) mass removed, July 1, 2004 through December 31, 2004.

Treatment facility	Month	VOC mass removed (g)	Nitrate mass removed (g)	Perchlorate mass removed (g)
B830-DISS	July	13.0	9,119	0.778
	August	14.9	10,444	0.891
	September	16.9	11,890	1.014
	October	16.7	10,881	0
	November	21.5	13,988	0
	December	18.9	12,300	0
Total		101.9	68,622	2.683

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	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K8-01	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	CMPTRIMET	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	E340.2	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	E601	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	E8330:R+H	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	Q	CMP	E906	1	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	Q	CMP	E906	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	Q	CMP	E906	3	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	Q	CMP	E906	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	B	B	CMP	MS:THISO	2	N	Next sample required 2ndQ 2005.
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	B	B	CMP	MS:UISO	2	N	Next sample required 2ndQ 2005.
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	A	CMP	T26METALS	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	S	S	CMP	E601	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	CMPTRIMET	2	Y	

Table 2.8-1. Building 801 and Pit 8 landfill area ground water sampling and analysis plan. (Cont. Page 2 of 3)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	E340.2	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	E601	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	E8330:R+H	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	Q	CMP	E906	1	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	Q	CMP	E906	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	Q	CMP	E906	3	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	Q	CMP	E906	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	B	B	CMP	MS:THISO	2	N	Next sample required 2ndQ 2005.
K8-04	CMP DMW	Upper $Tnbs_1$	B	B	CMP	MS:UISO	2	N	Next sample required 2ndQ 2005.
K8-04	CMP DMW	Upper $Tnbs_1$	A	A	CMP	T26METALS	2	Y	
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	CMPTRIMET	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	E300.0:NO3	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	E300.0:PERC	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	E340.2	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	E601	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	E8330:R+H	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	E906	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	MS:THISO	2	N	Insufficient water. Changed to biennial due to continued lack of water.
K8-05	CMP DMW	$Tnbs_2$	B	B	CMP	MS:UISO	2	N	Insufficient water. Changed to biennial due to continued lack of water.

Notes and footnote appear on following page:

Table 2.8-1. Building 801 and Pit 8 landfill area ground water sampling and analysis plan. (Cont. Page 3 of 3)

Notes:

No COCs in ground water.

Contaminants of Concern in the Vadose Zone not detected in Ground Water: HE Compounds and uranium.

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) sampled annually.

CMP Detection monitoring analytes: uranium and thorium isotopes by mass spectrometry (MS:UISO and MS:THISO) sampled biennially.

Building 801 primary COC: VOCs (E601 or E624).

Building 801 secondary COC: nitrate (E300.0:NO3).

Building 801 secondary COC: uranium (MS:UISO) .

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.**

Table 2.8-2. Building 833 area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	AS:UISO	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	DWMETALS	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E210.2	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E300.0:NO3	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E300.0:PERC	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E601	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E8330:R+H	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E900	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	E906	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	GENMIN	1	N	Dry.
SPRING19	SPR	Upper Tnbs$_1$		A	DIS	TBOS	1	N	Dry.
W-833-03	MWPT	Tps	A	A	CMP	E601	1	N	annual due to continued lack of water.
W-833-12	MWPT	Qt	A	A	CMP	E601	1	N	annual due to continued lack of water.
W-833-18	MWPT	Tps	A	A	CMP	E601	1	N	annual due to continued lack of water.
W-833-22	MWPT	Tps	A	A	CMP	E601	1	N	annual due to continued lack of water.
W-833-28	MWPT	Tps	A	A	CMP	E601	1	N	annual due to continued lack of water.
W-833-30	MWPT	Lower Tnbs$_1$	S	S	CMP	E601	1	Y	
W-833-30	MWPT	Lower Tnbs$_1$	S	S	CMP	E601	3	Y	
W-833-33	MWPT	Tps	A	A	CMP	E601	1	N	Insufficient water. Changed to annual due to continued lack of water.
W-833-34	MWPT	Tps	A	A	CMP	E601	1	N	Insufficient water. Changed to annual due to continued lack of water.
W-833-43	MWPT	Tps	A	A	CMP	E601	1	N	Insufficient water. Changed to annual due to continued lack of water.
W-840-01	MWPT	Lower Tnbs$_1$		A	DIS	E300.0:NO3	1	N	Insufficient water.
W-840-01	MWPT	Lower Tnbs$_1$		A	DIS	E300.0:PERC	1	N	Insufficient water.

Table 2.8-2. Building 833 area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-840-01	MWPT	Lower $Tnbs_1$		A	DIS	E601	1	N	Insufficient water.
W-841-01	MWPT	Upper $Tnbs_1$		A	DIS	E300.0:NO3	1	N	Insufficient water.
W-841-01	MWPT	Upper $Tnbs_1$		A	DIS	E300.0:PERC	1	N	Insufficient water.
W-841-01	MWPT	Upper $Tnbs_1$		A	DIS	E601	1	N	Insufficient water.

Notes:

Building 833 primary COC: VOCs (E601).

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym 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	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K9-01	CMP DMW	Tmss	A	A	CMP	CMPTRIMET	2	Y	
K9-01	CMP DMW	Tmss	A	A	CMP	E300.0:NO3	2	Y	
K9-01	CMP DMW	Tmss	A	A	CMP	E300.0:PERC	2	Y	
K9-01	CMP DMW	Tmss	A	A	CMP	E340.2	2	Y	
K9-01	CMP DMW	Tmss	A	A	CMP	E601	2	Y	
K9-01	CMP DMW	Tmss	A	A	CMP	E8330	2	Y	
K9-01	CMP DMW	Tmss	Q	Q	CMP	E906	1	Y	
K9-01	CMP DMW	Tmss	Q	Q	CMP	E906	2	Y	
K9-01	CMP DMW	Tmss	Q	Q	CMP	E906	3	Y	
K9-01	CMP DMW	Tmss	Q	Q	CMP	E906	4	Y	
K9-01	CMP DMW	Tmss	B	B	CMP	MS:THISO	2	N	Next sample required 2ndQ 2005.
K9-01	CMP DMW	Tmss	B	B	CMP	MS:UISO	2	N	Next sample required 2ndQ 2005.
K9-01	CMP DMW	Tmss	A	A	CMP	T26METALS	2	Y	
K9-02	CMP DMW	Tmss	A	A	CMP	CMPTRIMET	2	Y	
K9-02	CMP DMW	Tmss	A	A	CMP	E300.0:NO3	2	Y	
K9-02	CMP DMW	Tmss	A	A	CMP	E300.0:PERC	2	Y	
K9-02	CMP DMW	Tmss	A	A	CMP	E340.2	2	Y	
K9-02	CMP DMW	Tmss	A	A	CMP	E601	2	Y	
K9-02	CMP DMW	Tmss	A	A	CMP	E8330	2	Y	
K9-02	CMP DMW	Tmss	Q	Q	CMP	E906	1	Y	
K9-02	CMP DMW	Tmss	Q	Q	CMP	E906	2	Y	
K9-02	CMP DMW	Tmss	Q	Q	CMP	E906	3	Y	
K9-02	CMP DMW	Tmss	Q	Q	CMP	E906	4	Y	
K9-02	CMP DMW	Tmss	B	B	CMP	MS:THISO	2	N	Next sample required 2ndQ 2005.
K9-02	CMP DMW	Tmss	B	B	CMP	MS:UISO	2	N	Next sample required 2ndQ 2005.
K9-02	CMP DMW	Tmss	A	A	CMP	T26METALS	2	Y	
K9-03	CMP DMW	Tmss	A	A	CMP	CMPTRIMET	2	Y	
K9-03	CMP DMW	Tmss	A	A	CMP	E300.0:NO3	2	Y	
K9-03	CMP DMW	Tmss	A	A	CMP	E300.0:PERC	2	Y	
K9-03	CMP DMW	Tmss	A	A	CMP	E340.2	2	Y	
K9-03	CMP DMW	Tmss	A	A	CMP	E601	2	Y	

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	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K9-03	CMP DMW	Tmss	A	A	CMP	E8330	2	Y	
K9-03	CMP DMW	Tmss	Q	Q	CMP	E906	1	Y	
K9-03	CMP DMW	Tmss	Q	Q	CMP	E906	2	Y	
K9-03	CMP DMW	Tmss	Q	Q	CMP	E906	3	Y	
K9-03	CMP DMW	Tmss	Q	Q	CMP	E906	4	Y	
K9-03	CMP DMW	Tmss	B	B	CMP	MS:THISO	2	N	Next sample required 2ndQ 2005.
K9-03	CMP DMW	Tmss	B	B	CMP	MS:UISO	2	N	Next sample required 2ndQ 2005.
K9-03	CMP DMW	Tmss	A	A	CMP	T26METALS	2	Y	
K9-04	CMP DMW	Tmss	A	A	CMP	CMPTRIMET	2	Y	
K9-04	CMP DMW	Tmss	A	A	CMP	E300.0:NO3	2	Y	
K9-04	CMP DMW	Tmss	A	A	CMP	E300.0:PERC	2	Y	
K9-04	CMP DMW	Tmss	A	A	CMP	E340.2	2	Y	
K9-04	CMP DMW	Tmss	A	A	CMP	E601	2	Y	
K9-04	CMP DMW	Tmss	A	A	CMP	E8330	2	Y	
K9-04	CMP DMW	Tmss	Q	Q	CMP	E906	1	Y	
K9-04	CMP DMW	Tmss	Q	Q	CMP	E906	2	Y	
K9-04	CMP DMW	Tmss	Q	Q	CMP	E906	3	Y	
K9-04	CMP DMW	Tmss	Q	Q	CMP	E906	4	Y	
K9-04	CMP DMW	Tmss	B	B	CMP	MS:THISO	2	N	Next sample required 2ndQ 2005.
K9-04	CMP DMW	Tmss	B	B	CMP	MS:UISO	2	N	Next sample required 2ndQ 2005.
K9-04	CMP DMW	Tmss	A	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.
[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym definitions.**

Table 3.1-1. Pit 2 landfill ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	AS:UISO	1	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	AS:UISO	2	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	AS:UISO	3	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	AS:UISO	4	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	CMPTRIMET	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	E300.0:NO3	1	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	E300.0:NO3	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	E300.0:PERC	1	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	E300.0:PERC	2	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	E300.0:PERC	4	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	E340.2	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	E601	1	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	E601	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	E8330:R+H	1	Y	
K2-01C	CMP DMW	$Tnbs_1$			ERD/WGMG	E8330:R+H	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	Q	CMP/WGMG	E906	1	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	Q	CMP/WGMG	E906	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	Q	CMP/WGMG	E906	3	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	Q	CMP/WGMG	E906	4	Y	
K2-01C	CMP DMW	$Tnbs_1$	B	B	CMP/WGMG	MS:THISO	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	B	B	CMP/WGMG	MS:UISO	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	A	CMP/WGMG	T26METALS	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	CMPTRIMET	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	E340.2	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	E601	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	E8330:R+H	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	Q	CMP	E906	1	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	Q	CMP	E906	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	Q	CMP	E906	3	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	Q	CMP	E906	4	Y	
NC2-08	CMP DMW	$Tnbs_1$	B	B	CMP	MS:THISO	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	B	B	CMP	MS:UISO	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	A	CMP	T26METALS	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	CMPTRIMET	3	Y	

Table 3.1-1. Pit 2 landfill ground water sampling and analysis plan. (Cont. Page 2 of 3)

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling frequency planned	Sampling type	Requested analysis[a]	Sampling quarter	Sampled Y/N	Comment
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$			DIS	DWMETALS	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E340.2	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E601	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$			DIS	E602	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E8330:R+H	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	1	N	New well.
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	4	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	B	CMP	MS:THISO	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	B	CMP	MS:UISO	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$			DIS	MS:UISO	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$			DIS	MS:UISO	4	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	A	CMP	T26METALS	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	CMPTRIMET	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$			DIS	DWMETALS	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E300.0:NO3	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E300.0:PERC	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E340.2	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E601	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$			DIS	E602	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	E8330:R+H	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	1	N	New well.
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	Q	CMP	E906	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	B	CMP	MS:THISO	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	B	CMP	MS:UISO	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$			DIS	MS:UISO	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$			DIS	MS:UISO	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	A	CMP	T26METALS	3	Y	

Notes and footnote appear on following page.

Table 3.1-1. Pit 2 landfill ground water sampling and analysis plan. (Cont. Page 3 of 3)

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) sampled annually.

CMP Detection monitoring analytes: uranium and thorium isotopes by mass spectrometry (MS:UISO and MS:THISO) sampled biennially.

[a] **See Table Acronyms and Abbreviations in the Tables section of this report for Requested Analysis acronym 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	7.7×10^{-3}	4.1	Based on TCE concentration of 21,000 μg/L (16-Aug-2004) in well W-834-D15.
	Indoor – JEM	PCE	1.1×10^{-6}	NA	Based on PCE concentration of 66 μg/L (7-Oct-2004) in well W-834-D13.
Cumulative risk and hazard index			**7.7×10^{-3}**	**4.1**	**Institutional controls in place, building only used for storage.**
Building 854A	Indoor – JEM	Total VOCs	1.4×10^{-6}	7.3×10^{-4}	Based on Total VOCs (all TCE) concentration of 7.0 μg/L (5-Nov-2004) in well W-854-10.
Cumulative risk and hazard index			**1.4×10^{-6}**	**7.3×10^{-4}**	**Institutional controls in place.**
Building 854F	Indoor – JEM	Chloroform	1.3×10^{-8}	NA	Based on Chloroform detection limit of 0.5 μg/L (5-Nov-2004) in well W-854-02
	Indoor – JEM	TCE	4.8×10^{-5}	0.025	Based on TCE concentration of 180 μg/L (5-Nov-2004) in well W-854-02
	Indoor – JEM	Other VOCs	NC	NC	The only detection is TCE
Cumulative risk and hazard index			**4.8×10^{-5}**	**0.025**	**Institutional controls in place.**
Building 830	Indoor – JEM	Vinyl Chloride	9.6×10^{-7}	0.003	Based on Vinyl Chloride detection limit of 25 μg/L (27-Jul-2004) in well W-830-30
	Indoor – JEM	TCE	2.0×10^{-4}	0.11	Based on TCE concentration of 1,300 μg/L (27-Jul-2004) in well W-830-34
Cumulative risk and hazard index			**2.0×10^{-4}**	**0.11**	**Institutional controls in place.**
Building 832F	Indoor – JEM	Dichloropropa ne	4.1×10^{-9}	0.00012	Based on 1,2-Dichlorpropane detection limit of 0.5 μg/L (2-Oct-2003) in well W-832-18. Contaminated wells near Bldg. 832F have been dry since 2003.
Cumulative risk and hazard index			**4.1×10^{-9}**	**0.00012**	**Inhalation risk or hazard did not exist in year 2004.**
Building 833	Indoor – JEM	TCE	2.1×10^{-6}	0.0011	Based on TCE concentration of 20 μg/L (20-Jun-2000) in well W-833-03. Contaminated wells in this area have been dry since 2000.
	Indoor – JEM	Chloroform	5.7×10^{-9}	NA	Based on Chloroform detection limit of 0.5 μg/L (28-Jan-2005) in sampled wells.
Cumulative risk and hazard index			**2.1×10^{-6}**	**0.0011**	**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.**

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	Outdoor – JURY	TCE	5.3×10^{-14}	4.5×10^{-11}	Based on TCE concentration of 21,000 μg/L (16-Aug-2004) in well W-834-D15
	Outdoor – JURY	PCE	7.1×10^{-18}	NA	Based on PCE concentration of 66 μg/L (16-Aug-2004) in well W-834-D13
Cumulative risk and hazard index			**5.3×10^{-14}**	**4.5×10^{-11}**	**Inhalation risk or hazard did not exist in year 2004.**
Building 815	Outdoor – JURY	TCE	2.5×10^{-18}	2.1×10^{-15}	Based on TCE concentration of 8.9 μg/L (12-Jan-2005) in well W-815-02
	Outdoor – JURY	PCE	3.5×10^{-21}	NA	Based on PCE detection limit of 0.5 μg/L (12-Jan-2005) in well W-815-02
Cumulative risk and hazard index			**2.5×10^{-18}**	**2.1×10^{-15}**	**Inhalation risk or hazard did not exist in year 2004.**
Building 854F	Outdoor – JURY	Chloroform	3.5×10^{-20}	NA	Based on Chloroform detection limit of 0.5 μg/L (27-Jul-2004) in well W-854-02
	Outdoor – JURY	1,2-DCA	NA	2.0×10^{-15}	Based on 1,2-DCA detection limit of 0.5 μg/L (27-Jul-2004) in well W-854-02
Cumulative risk and hazard index			**3.5×10^{-20}**	**2.0×10^{-15}**	**Inhalation risk or hazard did not exist in year 2004.**
Building 830	Outdoor – JURY	Chloroform	1.1×10^{-18}	NA	Based on Chloroform detection limit of 25 μg/L (27-Jul-2004) in well W-830-30
	Outdoor – JURY	1,2-DCA	NA	5.8×10^{-14}	Based on 1,2-DCA detection limit of 25 μg/L (27-Jul-2004) in well W-830-30
	Outdoor – JURY	Vinyl Chloride	1.8×10^{-18}	5.0×10^{-14}	Based on Vinyl Chloride detection limit of 25 μg/L (27-Jul-2004) in well W-830-30
Cumulative risk and hazard index			**2.9×10^{-18}**	**1.0×10^{-13}**	**Inhalation risk or hazard did not exist in year 2004.**

Notes:

JEM = Johnson-Ettinger Model for indoor air pathway (EQM for USEPA, 2003).
JURY = Infinite source term Jury Model for outdoor air pathway (Jury et al., 1983).
NC = Not calculated.
NA = Not applicable. Unit Risk Factor (URF) or Reference Concentration (RfC) does not exist for this chemical.

Table 4.2-1. Results of important species surveys in fall 2004 at Building 850 and Building 834.

Survey area	Date start time	Temperature weather	Results
Building 850	**08 Nov. 2004**	**72° F** **Clear**	• **The ground squirrel colony surrounding B850 was active, and many squirrels were observed.** • **No special status species were observed.**
Building 834	**22 Sep. 2004**	**52° F** **Cloudy**	• **Ground squirrel burrows were scattered throughout the survey area.** • **No special status species were observed.**

Appendix A

Results of Influent and Effluent pH Monitoring

A-1. Results of influent and effluent pH monitoring, July through December 2004.

Sample location	Sample date	Influent pH Result	Effluent pH Result
Central GSA			
CGSA GWTS	07/14/04	7	7.5
CGSA GWTS	08/11/04	NM	7.5
CGSA GWTS	09/07/04	NM	7.5
CGSA GWTS	10/06/04	6.5	NM
CGSA GWTS	11/10/04	NM	7
CGSA GWTS	12/09/04	NM	7
Building 834 OU			
B834 GWTS	10/01/04	7.2	9.5[a]
B834 GWTS	10/04/04	7.0	9.5[a]
B834 GWTS	10/05/04	7.2	8.5
B834 GWTS	10/14/04	7.0	7.5
B834 GWTS	10/29/04	7.2	7.4
B834 GWTS	11/22/04	NM	7.0
B834 GWTS	12/09/04	NM	7.5
HEPA OU			
B815-SRC GWTS	07/14/04	7	7
B815-SRC GWTS	08/11/04	NM	7
B815-SRC GWTS	09/15/04	NM	7
B815-SRC GWTS	10/06/04	7	7
B815-SRC GWTS	11/11/04	NM	7
B815-SRC GWTS	12/07/04	NM	7
B815-PRX GWTS	07/14/04	7	7
B815-PRX GWTS	08/11/04	NM	7
B815-PRX GWTS	09/13/04	NM	7
B815-PRX GWTS	10/11/04	7	7
B815-PRX GWTS	11/11/04	NM	7
B815-PRX GWTS	12/07/04	NM	7
B815-DSB GWTS	07/14/04	7	7
B815-DSB GWTS	08/11/04	NM	7
B815-DSB GWTS	09/15/04	NM	7

A-1. Results of influent and effluent pH monitoring, July through December 2004.

Sample location	Sample date	Influent pH Result	Effluent pH Result
B815-DSB GWTS	**10/07/04**	**7**	**7**
B815-DSB GWTS	**11/11/04**	**NM**	**7**
B815-DSB GWTS	**12/07/04**	**NM**	**7**
B817-SRC GWTS	**07/14/04**	**6.5**	**7**
B817-SRC GWTS	**08/18/04**	**NM**	**7**
B817-SRC GWTS	**09/15/04**	**NM**	**7**
B817-SRC GWTS	**10/06/04**	**7**	**7**
B817-SRC GWTS	**11/10/04**	**NM**	**7**
B817-SRC GWTS	**12/08/04**	**NM**	**7**
Building 854 OU			
B854-SRC GWTS	**07/14/04**	**7**	**7**
B854-SRC GWTS	**08/18/04**	**NM**	**7**
B854-SRC GWTS	**09/15/04**	**NM**	**7**
B854-SRC GWTS	**10/06/04**	**7**	**7**
B854-SRC GWTS	**11/10/04**	**NM**	**7**
B854-SRC GWTS	**12/08/04**	**NM**	**7**
B854-PRX GWTS	**07/14/04**	**7**	**7**
B854-PRX GWTS	**08/18/04**	**NM**	**7**
B854-PRX GWTS	**09/15/04**	**NM**	**7**
B854-PRX GWTS	**10/25/04**	**7.5**	**7.5**
B854-PRX GWTS	**11/02/04**	**NM**	**7**
B854-PRX GWTS	**12/08/04**	**NM**	**7**
832 Canyon OU			
B832-SRC GWTS	**07/14/04**	**6.5**	**6.5**
B832-SRC GWTS	**08/06/04**	**NM**	**6.5**
B832-SRC GWTS	**09/03/04**	**NM**	**6.5**
B832-SRC GWTS	**10/06/04**	**6.5**	**7**
B832-SRC GWTS	**11/10/04**	**NM**	**6.5**
B832-SRC GWTS	**12/14/04**	**NM**	**6**
B830-SRC GWTS	**07/14/04**	**7**	**7**
B830-SRC GWTS	**08/18/04**	**NM**	**7**

A-1. Results of influent and effluent pH monitoring, July through December 2004.

Sample location	Sample date	Influent pH Result	Effluent pH Result
B830-SRC GWTS	09/08/04	NM	7
B830-SRC GWTS	10/06/04	7	7
B830-SRC GWTS	11/10/04	NM	7
B830-SRC GWTS	12/09/04	NM	7
B830-PRXN GWTS	07/2004	NM	NM
B830-PRXN GWTS	08/25/04	7	7
B830-PRXN GWTS	09/29/04	NM	7
B830-PRX GWTS	10/05/04	7	7
B830-PRXN GWTS	11/2004	NM	NM
B830-PRXN GWTS	12/09/04	NM	7
B830-DISS GWTS	07/14/04	7	7
B830-DISS GWTS	08/18/04	NM	7
B830-DISS GWTS	09/15/04	NM	7
B830-DISS GWTS	10/06/04	7.5	7
B830-DISS GWTS	11/10/04	NM	7
B830-DISS GWTS	12/09/04	NM	7

Notes:

B815 = Building 815.
B817 = Building 817.
B830 = Building 830.
B832 = Building 832.
B834 = Building 834.
B854 = Building 854.
CGSA = Central General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
GWTS = Ground water treatment system.
NA = Not applicable.
NM = Not measured.
OU = Operable unit.
pH = A measure of the acidity or alkalinity of an aqueous solution.
SRC = Source.

[a] Effluent water from these two batches were treated with vinegar to bring the pH down to 8.3 prior to discharge.

Appendix B

Analytical Results for Routine Monitoring During 2004

B-1 Central General Services Area VOCs in ground water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-35A-01	01/26/04	E601	110 D	7.8	1.2	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	0.94	<0.5	<1	<0.5
W-35A-01	01/26/04 DUP	E601	120 D	8	1.2	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	1	<0.5	<1	<0.5
W-35A-01	04/22/04	E601	130 D	9.6	1.2	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	1.1	<0.5	<1	<0.5
W-35A-01	07/22/04	E601	100 D	7.6	1	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	0.98	<0.5	<1	<0.5
W-35A-01	07/22/04 DUP	E601	99	6.6	<1	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	0.84	<0.5	<1	<0.5
W-35A-01	11/15/04	E601	9.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-02	01/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-02	04/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-02	12/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5 O
W-35A-03	05/19/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-03	11/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-04	04/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-04	09/08/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
W-35A-04	11/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-05	05/19/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-05	05/19/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-05	11/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-06	04/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-06	11/16/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-07	04/22/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-07	11/16/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-08	04/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-08	11/16/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-09	05/19/04	E601	2.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<1	<0.5
W-35A-09	11/16/04	E601	2.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<1	<0.5
W-35A-10	05/19/04	E601	17	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<1	<0.5
W-35A-10	05/19/04 DUP	E601	17	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<1	<0.5
W-35A-10	11/16/04	E601	16	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	<1	<0.5
W-35A-10	11/16/04 DUP	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	<1	<3	<0.5
W-35A-11	04/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-11	11/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-12	04/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-12	11/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-13	04/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-13	11/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-14	05/19/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35A-14	11/16/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7A	05/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7A	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7B	04/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7B	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7B	10/26/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7C	05/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7C	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7E	03/02/04	E601	<0.5	<0.5	<1	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7E	05/03/04	E601	<0.5	<0.5	<1	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7E	09/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7E	11/12/04	E601	<0.5	<0.5	<1	<0.5	7.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7ES	03/02/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7ES	05/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7ES	09/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7ES	12/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7F	05/04/04	E601	1.1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-7F	11/13/04	E601	7.5	0.52	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7F	11/13/04 DUP	E601	7.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-7G	05/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7G	10/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7G	10/28/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7H	04/22/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7H	04/22/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7H	11/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7I	01/29/04	E601	2,400 D	220 D	51	<0.5	<0.5	2.5	0.76	27	<0.5	<0.5	<0.5	<1	<0.5
W-7I	04/07/04	E601	310 D	9.2	27	<0.5	<0.5	<0.5	<0.5	7.3	<0.5	<0.5	<0.5	<1	<0.5
W-7I	07/14/04	E601	1,200 D	120 D	30	<0.5	<0.5	1.4	0.77	14	<0.5	<0.5	<0.5	<1	<0.5
W-7I	11/16/04	E601	120 D	19	21	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	<0.5	<1	<0.5
W-7J	05/20/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7J	11/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7K	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7K	10/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7L	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7L	11/13/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7M	05/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7M	10/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7N	05/03/04	E601	1.1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7N	10/28/04	E601	1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7O	01/29/04	E601	72	4.8	<1	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	0.64	<0.5	<1	<0.5
W-7O	04/07/04	E601	69	4.8	<1	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	0.56	<0.5	<1	<0.5
W-7O	07/14/04	E601	55	4.2	<1	<0.5	<0.5	<0.5	<0.5	0.99	<0.5	<0.5	<0.5	<1	<0.5
W-7O	10/06/04	E601	57	4.4	<1	<0.5	<0.5	<0.5	<0.5	0.92	<0.5	<0.5	<0.5	<1	<0.5
W-7P	01/26/04	E601	3.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7P	05/03/04	E601	14	0.94	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7P	07/27/04	E601	24	1.7	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7P	07/27/04 DUP	E601	23	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	11/12/04	E601	3	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7PS	03/08/04	E601	2.6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7PS	05/03/04	E601	2.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7PS	09/01/04	E601	2.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7PS	10/28/04	E601	2.6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7Q	01/22/04	E601	85	8.5	<1	<0.5	<0.5	<0.5	<0.5	0.72	<0.5	<0.5	<0.5	<1	<0.5
W-7Q	04/22/04	E601	110 D	12	<1	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<1	<0.5
W-7Q	11/11/04	E601	86	12	<1	<0.5	<0.5	<0.5	<0.5	0.86	<0.5	<0.5	<0.5	<1	<0.5
W-7R	01/22/04	E601	7.6	0.96	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7R	04/29/04	E601	6.4	0.89	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7R	10/28/04	E601	9	1.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7S	01/22/04	E601	0.74	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7S	04/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7S	10/28/04	E601	0.61	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7T	01/22/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7T	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-7T	10/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-843-01	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-843-01	05/04/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-843-01	11/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-843-02	05/20/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-843-02	11/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-872-02	04/07/04	E601	11	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.91	<0.5	21	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-872-02	07/14/04	E601	11	<0.5	<1	<0.5	<0.5	<0.5	<0.5	0.71	<0.5	15	<0.5	<1	<0.5
W-873-01	05/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-01	11/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-02	05/04/04	E601	6.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.86	<0.5	<1	<0.5
W-873-02	11/12/04	E601	5.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-03	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-03	11/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-04	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-04	11/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-06	05/05/04	E601	4.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-06	11/12/04	E601	4.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-873-07	04/07/04	E601	5.9	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	36	<0.5	<1	<0.5
W-873-07	07/14/04	E601	6.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	32	<0.5	<1	<0.5
W-873-07	10/06/04	E601	6.9	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	18	<0.5	<1	<0.5
W-CGSA-1733	05/04/04	E601	8.2	1.4	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1733	11/04/04	E601	9.3	1.4	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1736	05/04/04	E601	7.2	0.84	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1736	11/04/04	E601	6.7	0.81	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1737	05/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1737	11/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1739	05/04/04	E601	1.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-CGSA-1739	11/04/04	E601	1.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-01	05/05/04	E601	32	1.9	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-01	11/11/04	E601	32	2.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-02	05/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-02	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-03	05/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-03	05/05/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-03	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-04	05/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-04	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-05	05/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-05	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-06	05/05/04	E601	12	<0.5	7.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-06	11/11/04	E601	12	<0.5	4.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-875-07	01/29/04	E601	2,400 D	220 D	52	<0.5	<0.5	2.6	0.76	28	<0.5	<0.5	<0.5	<1	<0.5
W-875-07	04/07/04	E601	1,000 D	110 D	34	<0.5	0.58	0.57	1.5	12	<0.5	<0.5	<0.5	<1	<0.5
W-875-07	07/14/04	E601	2,800 D	220 D	59	<0.5	1	1.2	2.3	27	<0.5	<0.5	<0.5	<1	<0.5
W-875-08	01/29/04	E601	2,300 D	190 D	54	<0.5	<0.5	2.4	1.4	29	<0.5	<0.5	<0.5	<1	<0.5
W-875-08	04/07/04	E601	380 D	4.6	22	<0.5	<0.5	<0.5	<0.5	8	<0.5	<0.5	<0.5	<1	<0.5
W-875-08	10/06/04	E601	510 D	0.77	30	<0.5	<0.5	0.57	<0.5	10	<0.5	<0.5	<0.5	<1	<0.5
W-875-11	04/22/04	E601	38	2.8	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-876-01	05/05/04	E601	8.6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-876-01	10/26/04	E601	9.9	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-879-01	05/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-879-01	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-889-01	05/20/04	E601	36	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-889-01	11/12/04	E601	31	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

B-1 Central General Services Area VOCs in ground water. (analytes not listed above).

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	Bromodichloromethane (μg/L)	Bromoform (μg/L)	Chlorobenzene (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-35A-01	01/26/04	E601	1 of 20	-	-	-	-	-	-	1.2	-
W-35A-01	01/26/04 DUP	E601	1 of 20	-	-	-	-	-	-	1.2	-
W-35A-01	04/22/04	E601	1 of 20	-	-	-	-	-	-	1.2	-
W-35A-01	07/22/04	E601	1 of 20	-	-	-	-	-	-	1	-
W-35A-01	07/22/04 DUP	E601	1 of 20	-	-	-	-	-	-	0.81	-
W-35A-01	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-02	01/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-02	04/29/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-02	12/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-03	05/19/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-03	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-04	04/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-04	09/08/04	E502.2	0 of 45	-	-	-	-	-	-	-	-
W-35A-04	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-05	05/19/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-05	05/19/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-05	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-06	04/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-06	11/16/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-07	04/22/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-07	11/16/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-08	04/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-08	11/16/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-09	05/19/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-09	11/16/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-10	05/19/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-10	05/19/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-10	11/16/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-10	11/16/04 DUP	E601	0 of 19	-	-	-	-	-	-	-	-
W-35A-11	04/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-11	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-12	04/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-12	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-13	04/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-13	11/15/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-14	05/19/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-35A-14	11/16/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7A	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7A	10/26/04	E601	1 of 20	-	-	-	-	-	-	0.69	-
W-7B	04/29/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7B	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7B	10/26/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-7C	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7C	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7E	03/02/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7E	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7E	09/07/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7E	11/12/04	E601	4 of 20	-	3.3	0.69	-	2.4	14	-	-
W-7ES	03/02/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7ES	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7ES	09/07/04	E601	0 of 19	-	-	-	-	-	-	-	-
W-7ES	12/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7F	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	Bromodichloromethane (μg/L)	Bromoform (μg/L)	Chlorobenzene (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-7F	11/13/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7F	11/13/04 DUP	E601	0 of 19	-	-	-	-	-	-	-	-
W-7G	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7G	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7G	10/28/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-7H	04/22/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7H	04/22/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-7H	11/11/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7I	01/29/04	E601	3 of 20	0.99	-	-	-	-	-	49	1.8
W-7I	04/07/04	E601	2 of 20	-	-	-	-	-	-	25	1.7
W-7I	07/14/04	E601	3 of 20	0.51	-	-	-	-	-	29	1
W-7I	11/16/04	E601	2 of 20	-	-	-	-	-	-	19	1.5
W-7J	05/20/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7J	11/11/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7K	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7K	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7L	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7L	11/13/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7M	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7M	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7N	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7N	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7O	01/29/04	E601	1 of 20	-	-	-	-	-	-	0.55	-
W-7O	04/07/04	E601	1 of 20	-	-	-	-	-	-	0.57	-
W-7O	07/14/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7O	10/06/04	E601	0 of 19	-	-	-	-	-	-	-	-
W-7P	01/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7P	05/03/04	E601	1 of 20	-	-	-	-	-	-	0.81	-
W-7P	07/27/04	E601	1 of 20	-	-	-	-	-	-	0.52	-
W-7P	07/27/04 DUP	E601	0 of 19	-	-	-	-	-	-	-	-
W-7P	11/12/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7PS	03/08/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7PS	05/03/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7PS	09/01/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7PS	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7Q	01/22/04	E601	1 of 20	-	-	-	-	-	-	0.69	-
W-7Q	04/22/04	E601	1 of 20	-	-	-	-	-	-	0.72	-
W-7Q	11/11/04	E601	1 of 20	-	-	-	-	-	-	0.66	-
W-7R	01/22/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7R	04/29/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7R	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7S	01/22/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7S	04/29/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7S	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7T	01/22/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7T	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-7T	10/28/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-843-01	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-843-01	05/04/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-843-01	11/12/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-843-02	05/20/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-843-02	11/12/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-872-02	04/07/04	E601	0 of 20	-	-	-	-	-	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	Bromodichloromethane (μg/L)	Bromoform (μg/L)	Chlorobenzene (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-872-02	07/14/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-01	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-01	11/12/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-02	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-02	11/12/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-03	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-03	11/11/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-04	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-04	11/11/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-06	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-06	11/12/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-07	04/07/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-07	07/14/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-873-07	10/06/04	E601	0 of 19	-	-	-	-	-	-	-	-
W-CGSA-1733	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1733	11/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1736	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1736	11/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1737	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1737	11/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1739	05/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-CGSA-1739	11/04/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-01	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-01	11/11/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-02	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-02	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-03	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-03	05/05/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-03	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-04	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-04	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-05	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-05	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-875-06	05/05/04	E601	2 of 20	-	-	-	-	-	-	4.2	2.9
W-875-06	11/11/04	E601	2 of 20	-	-	-	-	-	-	3.1	1.7
W-875-07	01/29/04	E601	3 of 20	1	-	-	-	-	-	50	1.8
W-875-07	04/07/04	E601	2 of 20	1.9	-	-	-	-	-	33	-
W-875-07	07/14/04	E601	3 of 20	3	-	-	0.62	-	-	59	-
W-875-08	01/29/04	E601	3 of 20	0.97	-	-	-	-	-	52	2
W-875-08	04/07/04	E601	2 of 20	-	-	-	-	-	-	21	1.2
W-875-08	10/06/04	E601	2 of 19	-	-	-	-	-	-	28	1.7
W-875-11	04/22/04	E601	1 of 20	-	-	-	-	-	-	2.7	-
W-876-01	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-876-01	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-879-01	05/05/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-879-01	10/26/04	E601	0 of 20	-	-	-	-	-	-	-	-
W-889-01	05/20/04	E601	1 of 20	-	-	-	-	-	-	0.8	-
W-889-01	11/12/04	E601	1 of 20	-	-	-	-	-	-	0.82	-

B-2 Central General Services Area metals in ground water.

Location	Date	Lead (mg/L)
W-875-07	01/29/04	<0.004 D
W-875-07	04/07/04	0.003
W-875-07	07/14/04	<0.008 D

B-3 Building 834 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	Total 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)	Freon 11 (µg/L)	Freon 113 (µg/L)	Methylene chloride (µg/L)	Vinyl chloride (µg/L)
W-834-2001	01/26/04	E601	4,100 D	41 D	51 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-2001	04/28/04	E601	9,100 D	30 D	100 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-2001	04/28/04 DUP	E601	8,700 D	34 D	110 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-2001	08/12/04	E601	19,000 D	48 D	200 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	31 D	<30 D	<50 D	<30 D
W-834-2001	11/03/04	E624	13,000 D	45	180 D	<0.5	2.8	<0.5	<0.5	5.2	0.63	22	<0.5	<1	<0.5
W-834-1709	01/26/04	E601	17,000 D	74 D	250 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1709	04/28/04	E601	9,500 D	60	270 D	<0.5	1.6	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<1	<0.5
W-834-1709	04/28/04 DUP	E601	7,800 D	58	240 D	<0.5	1.5	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<1	<0.5
W-834-1709	08/10/04	E601	19,000 D	80 D	410 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1709	11/03/04	E601	21,000 D	93	1,200 D	<0.5	2.6	<0.5	<0.5	3.5	0.53	<0.5	<0.5	<1	<0.5
W-834-1711	01/26/04	E601	1,100 D	10 D	<5 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5 D	<3 D
W-834-1711	04/28/04	E601	1,300 D	11	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-1711	08/10/04	E601	1,000 D	7.5 D	<5 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5 D	<3 D
W-834-1711	11/03/04	E601	910 D	8	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-1824	01/21/04	E601	22,000 D	97 D	<100 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-1824	04/28/04	E601	25,000 D	57	47	4	5.4	<0.5	0.7	5.5	<0.5	3.6	<0.5	<1	<0.5
W-834-1824	08/12/04	E601	26,000 D	60 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1824	08/12/04 DUP	E601	26,000 D	61 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1824	11/04/04	E601	23,000 D	55 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1825	01/21/04	E601	17,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1825	04/28/04	E601	19,000 D	37	34	3.1	4.6	<0.5	0.64	3.9	<0.5	1.7	<0.5	<1	<0.5
W-834-1825	04/28/04 DUP	E601	19,000 D	38	33	3.1	4.5	<0.5	0.71	3.9	<0.5	1.8	<0.5	<1	<0.5
W-834-1825	08/12/04	E601	16,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1825	11/04/04	E601	16,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1833	01/21/04	E601	19,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1833	04/28/04	E601	21,000 D	40	36	3.8	4.6	<0.5	0.69	5.2	<0.5	2.5	<0.5	<1	<0.5
W-834-1833	08/12/04	E601	21,000 D	31 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1833	11/04/04	E601	21,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-1833	11/04/04 DUP	E601	18,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-A1	01/21/04	E601	130,000 D	660 D	4,700 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<1,000 D	<500 D
W-834-A1	08/10/04	E601	180,000 D	850 D	<1,000 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<1,000 D	<500 D
W-834-A2	01/21/04	E601	12,000 D	<30 D	780 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-B2	10/07/04	E624	4,400 DJ	120 D	330 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-B2	12/09/04	E601	7,600 D	110 D	640 D	<0.5	1.8	<0.5	<0.5	1.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-B3	03/10/04	E601	14 D	<1 D	840 D	<1 D	<1 D	<1 D	<1 D	1.1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-B3	10/07/04	E624	370 DJ	<10 D	4,800 D	<10 D	<10 D	<10 D	<10 D	18 D	<10 D	<10 D	<10 D	<20 D	10 D
W-834-B3	12/09/04	E601	210 D	1.1	6,300 D	<0.5	<0.5	<0.5	<0.5	21	<0.5	<0.5	<0.5	<1	12
W-834-C2	03/10/04	E601	950 D	4.1 D	20 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-C4	01/21/04	E601	120 D	0.87	52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-C4	08/10/04	E601	130 D	<0.5	160 D	<0.5	<0.5	<0.5	<0.5	0.55	<0.5	<0.5	<0.5	<1	<0.5
W-834-C5	01/22/04	E601	25,000 D	74	4,700 D	<0.5	2.3	<0.5	1	26	1.2	<0.5	<0.5	1.2	1.1
W-834-C5	08/10/04	E601	47,000 D	120 D	36,000 D	<50 D	<50 D	<50 D	<50 D	98 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-D3	03/11/04	E601	130 D	<30 D	13,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	200 D
W-834-D3	08/19/04	E601	<30 D	<30 D	11,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	250 D
W-834-D3	12/09/04	E601	40 D	<10 D	5,200 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	92 D
W-834-D4	03/11/04	E601	42 D	<30 D	10,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	130 D
W-834-D4	08/18/04	E601	11 D	<10 D	7,000 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	160 D
W-834-D4	10/07/04	E624	1,400 D	<30 D	11,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	32 D
W-834-D4	12/09/04	E601	9,100 D	26	13,000 D	<0.5	2	0.84	2.7	17	<0.5	<0.5	<0.5	1	5.7
W-834-D5	03/11/04	E601	5,700 D	57 D	8,400 D	<10 D	<10 D	<10 D	<10 D	18 D	<10 D	<10 D	<10 D	<20 D	36 D
W-834-D5	08/24/04	E601	1,800 D	13 D	4,500 D	<10 D	<10 D	<10 D	<10 D	14 D	<10 D	<10 D	<10 D	<20 D	180 D
W-834-D5	10/07/04	E624	2,800 D	<10 D	5,000 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	36 D
W-834-D5	12/09/04	E601	4,700 D	8.7	1,300 D	<0.5	1.6	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<1	1.4

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-834-D6	03/23/04	E601	17,000 D	84 D	540 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-D6	08/18/04	E601	22,000 D	46 D	730 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	30 D	<50 D	<30 D
W-834-D6	10/07/04	E624	11,000 DJ	27 D	1,600 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-D6	12/01/04	E601	2,600 D	11 D	450 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-834-D7	03/10/04	E601	6,300 D	23 D	76 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-D7	08/18/04	E601	5,900 D	17 D	99 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-D7	10/07/04	E624	4,300 DJ	36 D	550 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-D7	12/01/04	E601	2,700 D	14 D	170 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-834-D10	03/23/04	E601	2,900 D	8.1 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-834-D10	08/17/04	E601	1,800 D	<3 D	<5 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5 D	<3 D
W-834-D10	08/17/04 DUP	E601	2,000 DIJ	3.6 IJ	3.9 IJ	-	0.8 IJ	-	-	-	-	-	-	-	-
W-834-D11	03/23/04	E601	33,000 D	130 D	130 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-D12	03/10/04	E601	1,300 D	4.8 D	66 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5 D	<3 D
W-834-D12	10/07/04	E624	4,000 DJ	11 D	600 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-D12	12/09/04	E601	390 D	3.3	73	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-D13	03/11/04	E601	28,000 D	260 D	3,500 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-D13	08/24/04	E601	13,000 D	88 D	630 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-D13	10/07/04	E624	15,000 DJ	66 D	570 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-D13	12/09/04	E601	23,000 D	180 D	320 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-D14	03/10/04	E601	31,000 D	78 D	4,000 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-D14	08/17/04	E601	27,000 D	54 D	2,300 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-D15	01/26/04	E601	22,000 D	<50 D	340 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-D15	08/16/04	E601	21,000 D	<30 D	610 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-D18	01/26/04	E601	350 D	<1 D	95 D	<1 D	<1 D	<1 D	<1 D	1.2 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-D18	01/26/04 DUP	E601	430 D	0.61	98	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<1	<0.5
W-834-D18	08/23/04	E601	350 D	0.52	88	<0.5	<0.5	<0.5	<0.5	0.96	<0.5	<0.5	<0.5	<1	<0.5
W-834-D18	08/23/04 DUP	E601	340 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-834-H2	03/24/04	E601	600 D	<1 D	<2 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-H2	08/19/04	E601	1,100 D	<3 D	<5 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5 D	<3 D
W-834-J1	03/24/04	E601	630 D	1.3 D	<2 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-J1	08/24/04	E601	88	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-J1	10/07/04	E624	630 D	1.1 D	<2 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-J1	12/01/04	E601	350 D	<0.5	<1	<0.5	0.55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-J2	03/23/04	E601	790 D	3.6 D	<2 D	<1 D	3.1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-J2	08/19/04	E601	620 D	<1 D	<2 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<2 D	<1 D
W-834-J2	12/09/04	E601	280 D	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-J2	12/09/04 DUP	E601	290 DL	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<3	<0.5
W-834-J3	03/24/04	E601	4,300 D	<10 D	<20 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-M1	01/27/04	E601	<0.5	<0.5	<1	<0.5	5.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-M1	08/16/04	E601	<0.5	<0.5	<1	<0.5	4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-S1	01/22/04	E601	6,900 D	190 D	370 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-S1	09/14/04	E601	5,200 D	140 D	370 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-S1	09/14/04 DUP	E601	4,500 DIJF	140 DIJF	440 DIJ	-	2 IJ	-	0.7 IJ	-	-	1 IJ	-	-	-
W-834-S1	10/07/04	E624	7,800 DJ	290 D	390 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-834-S1	12/09/04	E601	5,600 D	210 D	330 D	<0.5	2.2	<0.5	<0.5	1.6	<0.5	0.69	<0.5	<1	<0.5
W-834-S12A	10/05/04	E601	15,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-S12A	12/09/04	E601	17,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-S13	01/22/04	E601	19,000 D	67 D	2,900 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<200 DE	<50 D
W-834-S13	08/25/04	E601	3,100 D	<5 D	1,500 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-834-S13	10/07/04	E624	13,000 DJ	110 D	200 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-S13	12/09/04	E601	3,400 D	21	100	<0.5	1.9	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-S4	01/22/04	E601	4.3	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-S4	08/17/04	E601	7.1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-834-S6	01/20/04	E601	2.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-S6	08/26/04	E601	2.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<1	<0.5
W-834-S7	01/20/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-S7	08/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-S8	01/22/04	E601	4,600 D	45 D	66 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<30 DE	<10 D
W-834-S8	08/23/04	E601	2,300 D	30 D	47 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-834-S9	01/22/04	E601	1,700 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<20 DE	<5 D
W-834-S9	08/23/04	E601	2,000 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-834-T1	01/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T1	04/19/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T1	07/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T1	10/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T2	01/15/04	E601	28,000 D	57 D	<100 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-T2	01/15/04 DUP	E601	28,000 D	<50 D	<100 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-T2	08/19/04	E601	30,000 D	59 D	<100 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-T2A	01/15/04	E601	23,000 D	<50 D	<100 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-T2A	08/19/04	E601	21,000 D	<50 D	<100 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<100 D	<50 D
W-834-T2A	08/19/04 DUP	E601	19,000 D	33 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-T2D	01/27/04	E601	12,000 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-T2D	08/26/04	E601	12,000 D	41 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-834-T3	01/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T3	04/19/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T3	07/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T3	10/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T5	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T5	08/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T7A	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-T7A	08/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-834-U1	01/15/04	E601	62,000 D	440 D	3,100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<200 D	<100 D
W-834-U1	01/15/04 DUP	E601	100,000 DJ	390 D	2,700 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<300 D	<200 D
W-834-U1	08/17/04	E601	62,000 D	330 D	3,000 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<200 D	<100 D

B-3 Building 834 OU VOCs in ground water (analytes not listed above).

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Benzene (µg/L)	Bromodichloromethane (µg/L)	Dibromochloromethane (µg/L)	Total Trihalomethanes (µg/L)	Total xylene isomers (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)
W-834-2001	01/26/04	E601	1 of 20	-	-	-	-	-	-	-	-	51 D	-
W-834-2001	04/28/04	E601	1 of 20	-	-	-	-	-	-	-	-	100 D	-
W-834-2001	04/28/04 DUP	E601	1 of 20	-	-	-	-	-	-	-	-	110 D	-
W-834-2001	08/12/04	E601	1 of 20	-	-	-	-	-	-	-	-	200 D	-
W-834-2001	11/03/04	E624	5 of 32	3.1	-	-	3.1	-	-	-	28	180 D	1.2
W-834-1709	01/26/04	E601	1 of 20	-	-	-	-	-	-	-	-	250 D	-
W-834-1709	04/28/04	E601	3 of 20	1.7	-	-	-	-	-	-	-	270 D	0.69
W-834-1709	04/28/04 DUP	E601	3 of 20	1.7	-	-	-	-	-	-	-	240 D	0.86
W-834-1709	08/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	410 D	-
W-834-1709	11/03/04	E601	4 of 20	2.6	-	-	-	-	-	2.6	-	1,200 D	1.2
W-834-1711	01/26/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1711	04/28/04	E601	1 of 20	-	-	-	-	-	-	-	-	1	-
W-834-1711	08/10/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1711	11/03/04	E601	1 of 20	-	-	-	-	-	-	-	-	0.96	-
W-834-1824	01/21/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1824	04/28/04	E601	4 of 20	4.8	-	-	-	-	-	5.4	-	46	0.96
W-834-1824	08/12/04	E601	1 of 20	-	-	-	-	-	-	-	-	38 D	-
W-834-1824	08/12/04 DUP	E601	1 of 20	-	-	-	-	-	-	-	-	48 D	-
W-834-1824	11/04/04	E601	1 of 20	-	-	-	-	-	-	-	-	45 D	-
W-834-1825	01/21/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1825	04/28/04	E601	4 of 20	4.6	-	-	-	-	-	4.6	-	33	0.81
W-834-1825	04/28/04 DUP	E601	4 of 20	4.7	-	-	-	-	-	4.5	-	33	0.72
W-834-1825	08/12/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1825	11/04/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1833	01/21/04	E601	1 of 20	-	-	-	-	-	-	-	-	30 D	-
W-834-1833	04/28/04	E601	4 of 20	4.8	-	-	-	-	-	4.6	-	35	0.89
W-834-1833	08/12/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1833	11/04/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-1833	11/04/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-A1	01/21/04	E601	1 of 20	-	-	-	-	-	-	-	-	4,700 D	-
W-834-A1	08/10/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-A2	01/21/04	E601	1 of 20	-	-	-	-	-	-	-	-	780 D	-
W-834-B2	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	330 D	-
W-834-B2	12/09/04	E601	3 of 20	1	-	-	-	-	-	-	-	640 D	1.1
W-834-B3	03/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	840 D	-
W-834-B3	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	4,800 D	-
W-834-B3	12/09/04	E601	2 of 20	-	-	-	-	-	-	-	-	6,300 D	4.9
W-834-C2	03/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	20 D	-
W-834-C4	01/21/04	E601	1 of 20	-	-	-	-	-	-	-	-	52	-
W-834-C4	08/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	160 D	-
W-834-C5	01/22/04	E601	4 of 20	3	-	-	-	-	-	2.3	-	4,700 D	5.1
W-834-C5	08/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	36,000 D	-
W-834-D3	03/11/04	E601	1 of 20	-	-	-	-	-	-	-	-	13,000 D	-
W-834-D3	08/19/04	E601	1 of 20	-	-	-	-	-	-	-	-	11,000 D	-
W-834-D3	12/09/04	E601	2 of 20	-	-	-	-	-	-	-	-	5,200 D	10 D
W-834-D4	03/11/04	E601	1 of 20	-	-	-	-	-	-	-	-	10,000 D	-
W-834-D4	08/18/04	E601	2 of 20	-	-	-	-	-	-	-	-	7,000 D	12 D
W-834-D4	10/07/04	E624	1 of 32	-	-	-	-	-	-	-	-	11,000 D	-
W-834-D4	12/09/04	E601	3 of 20	9.8	-	-	-	-	-	-	-	13,000 D	20
W-834-D5	03/11/04	E601	2 of 20	-	-	-	-	-	-	-	-	8,400 D	14 D
W-834-D5	08/24/04	E601	2 of 20	-	-	-	-	-	-	-	-	4,500 D	29 D
W-834-D5	10/07/04	E624	1 of 32	-	-	-	-	-	-	-	-	5,000 D	-
W-834-D5	12/09/04	E601	3 of 20	3.1	-	-	-	-	-	-	-	1,300 D	0.74

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Benzene (µg/L)	Bromodichloromethane (µg/L)	Dibromochloromethane (µg/L)	Total Trihalomethanes (µg/L)	Total xylene isomers (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)
W-834-D6	03/23/04	E601	1 of 20	-	-	-	-	-	-	-	-	540 D	-
W-834-D6	08/18/04	E601	1 of 20	-	-	-	-	-	-	-	-	730 D	-
W-834-D6	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	1,600 D	-
W-834-D6	12/01/04	E601	1 of 20	-	-	-	-	-	-	-	-	450 D	-
W-834-D7	03/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	76 D	-
W-834-D7	08/18/04	E601	1 of 20	-	-	-	-	-	-	-	-	99 D	-
W-834-D7	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	550 D	-
W-834-D7	12/01/04	E601	1 of 20	-	-	-	-	-	-	-	-	170 D	-
W-834-D10	03/23/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-D10	08/17/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-D10	08/17/04 DUP	E601	1 of 1	-	-	-	-	-	-	-	-	3.9 IJ	-
W-834-D11	03/23/04	E601	1 of 20	-	-	-	-	-	-	-	-	130 D	-
W-834-D12	03/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	66 D	-
W-834-D12	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	600 D	-
W-834-D12	12/09/04	E601	2 of 20	0.68	-	-	-	-	-	-	-	73	-
W-834-D13	03/11/04	E601	1 of 20	-	-	-	-	-	-	-	-	3,500 D	-
W-834-D13	08/24/04	E601	1 of 20	-	-	-	-	-	-	-	-	630 D	-
W-834-D13	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	570 D	-
W-834-D13	12/09/04	E601	1 of 20	-	-	-	-	-	-	-	-	320 D	-
W-834-D14	03/10/04	E601	1 of 20	-	-	-	-	-	-	-	-	4,000 D	-
W-834-D14	08/17/04	E601	1 of 20	-	-	-	-	-	-	-	-	2,300 D	-
W-834-D15	01/26/04	E601	1 of 20	-	-	-	-	-	-	-	-	340 D	-
W-834-D15	08/16/04	E601	1 of 20	-	-	-	-	-	-	-	-	610 D	-
W-834-D18	01/26/04	E601	1 of 20	-	-	-	-	-	-	-	-	95 D	-
W-834-D18	01/26/04 DUP	E601	1 of 20	-	-	-	-	-	-	-	-	98	-
W-834-D18	08/23/04	E601	1 of 20	-	-	-	-	-	-	-	-	88	-
W-834-D18	08/23/04 DUP	E601	1 of 18	-	-	-	-	-	-	-	-	110 D	-
W-834-H2	03/24/04	E601	1 of 20	4.1 D	-	-	-	-	-	-	-	-	-
W-834-H2	08/19/04	E601	1 of 20	5.4 D	-	-	-	-	-	-	-	-	-
W-834-J1	03/24/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-J1	08/24/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-J1	10/07/04	E624	1 of 32	-	-	-	-	-	-	-	-	1.2 D	-
W-834-J1	12/01/04	E601	1 of 20	1.7	-	-	-	-	-	-	-	-	-
W-834-J2	03/23/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-J2	08/19/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-J2	12/09/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-J2	12/09/04 DUP	E601	0 of 19	-	-	-	-	-	-	-	-	-	-
W-834-J3	03/24/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-M1	01/27/04	E601	4 of 20	-	1.6	-	-	0.76	0.53	7.1	-	-	-
W-834-M1	08/16/04	E601	4 of 20	-	1.2	-	-	0.78	0.54	6.2	-	-	-
W-834-S1	01/22/04	E601	1 of 20	-	-	-	-	-	-	-	-	370 D	-
W-834-S1	09/14/04	E601	1 of 20	-	-	-	-	-	-	-	-	370 D	-
W-834-S1	09/14/04 DUP	E601	3 of 3	1.8 IJ	-	-	-	-	-	-	-	440 DIJ	2.3 IJ
W-834-S1	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	390 D	-
W-834-S1	12/09/04	E601	5 of 20	1.9	-	0.66	-	-	-	2.2	-	330 D	1.1
W-834-S12A	10/05/04	E601	1 of 20	-	-	-	-	-	-	-	-	46 D	-
W-834-S12A	12/09/04	E601	1 of 20	-	-	-	-	-	-	-	-	30 D	-
W-834-S13	01/22/04	E601	1 of 20	-	-	-	-	-	-	-	-	2,900 D	-
W-834-S13	08/25/04	E601	2 of 20	-	-	-	-	-	-	-	-	1,500 D	12 D
W-834-S13	10/07/04	E624	1 of 31	-	-	-	-	-	-	-	-	200 D	-
W-834-S13	12/09/04	E601	2 of 20	2.6	-	-	-	-	-	-	-	100	-
W-834-S4	01/22/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-S4	08/17/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	1,3-Dichlorobenzene (μg/L)	1,4-Dichlorobenzene (μg/L)	Benzene (μg/L)	Bromodichloromethane (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	Total xylene isomers (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-834-S6	01/20/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-S6	08/26/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-S7	01/20/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-S7	08/26/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-S8	01/22/04	E601	-	-	-	-	-	-	-	-	-	66 D	-
W-834-S8	01/22/04	E602	2 of 31	-	-	0.3	-	-	-	-	-	-	-
W-834-S8	08/23/04	E601	1 of 20	-	-	-	-	-	-	-	-	47 D	-
W-834-S9	01/22/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-S9	08/23/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T1	01/15/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T1	04/19/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T1	07/12/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T1	10/27/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2	01/15/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2	01/15/04 DUP	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2	08/19/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2A	01/15/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2A	08/19/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2A	08/19/04 DUP	E601	1 of 20	-	-	-	-	-	-	-	-	34 D	-
W-834-T2D	01/27/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T2D	08/26/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T3	01/15/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T3	04/19/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T3	07/12/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T3	10/27/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T5	01/27/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T5	08/25/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T7A	01/27/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-T7A	08/25/04	E601	0 of 20	-	-	-	-	-	-	-	-	-	-
W-834-U1	01/15/04	E601	1 of 20	-	-	-	-	-	-	-	-	3,100 D	-
W-834-U1	01/15/04 DUP	E601	1 of 20	-	-	-	-	-	-	-	-	2,700 D	-
W-834-U1	08/17/04	E601	1 of 20	-	-	-	-	-	-	-	-	3,000 D	-

B-4 Building 834 OU nitrate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)
W-834-2001	01/26/04	2.5
W-834-1709	08/10/04	12.6
W-834-1711	08/10/04	92.7 D
W-834-1824	01/21/04	94.3 D
W-834-1825	01/21/04	82.8
W-834-1833	01/21/04	78
W-834-A1	01/21/04	<0.44
W-834-B3	03/10/04	9.85
W-834-C4	01/21/04	55.4
W-834-C5	01/22/04	69.4
W-834-D3	03/11/04	<0.44
W-834-D4	03/11/04	<0.44
W-834-D5	03/11/04	<0.44
W-834-D6	03/23/04	41.7
W-834-D7	03/10/04	9.66
W-834-D12	03/10/04	15.1
W-834-D13	03/11/04	47.6
W-834-D14	03/10/04	24.4
W-834-D15	01/26/04	138 D
W-834-D18	01/26/04	58.7 D
W-834-D18	01/26/04 DUP	59.3 D
W-834-J1	03/24/04	79.3
W-834-J2	03/23/04	84.2
W-834-M1	01/27/04	281 D
W-834-S1	01/22/04	60.5
W-834-S13	01/22/04	59.7
W-834-S4	01/22/04	140 D
W-834-S6	01/20/04	168 D
W-834-S7	01/20/04	333 D
W-834-S8	01/22/04	139 D
W-834-S9	01/22/04	98.3 D
W-834-T1	01/15/04	0.45
W-834-T1	07/12/04	<0.44
W-834-T2	01/15/04	95.6 D
W-834-T2	01/15/04 DUP	96.4 D
W-834-T2A	01/15/04	72
W-834-T2D	01/27/04	95.5 D
W-834-T3	01/15/04	1.9
W-834-T3	07/12/04	<0.44
W-834-T5	01/27/04	114 D
W-834-T7A	01/27/04	78.5
W-834-U1	01/15/04	<0.44
W-834-U1	01/15/04 DUP	<0.44

B-5 Building 834 OU TBOS in ground water.

Location	Date	C24H52O4Si (μg/L)
W-834-2001	01/26/04	<1
W-834-1709	01/26/04	3
W-834-1709	04/28/04	5.2
W-834-1709	04/28/04 DUP	6 D
W-834-1709	11/03/04	63 D
W-834-1824	01/21/04	<1
W-834-1825	01/21/04	<1
W-834-1833	01/21/04	<1
W-834-A1	01/21/04	<1
W-834-B3	03/10/04	4.4
W-834-C2	03/10/04	<1
W-834-C4	01/21/04	<1
W-834-C5	01/22/04	<1
W-834-D3	03/11/04	2,900 DIJ
W-834-D3	12/09/04	53,000 D
W-834-D4	03/11/04	6,700 DIJ
W-834-D4	10/07/04	600 D
W-834-D4	12/09/04	270 D
W-834-D5	03/11/04	150 D
W-834-D5	10/07/04	22
W-834-D5	12/09/04	3.63
W-834-D6	03/23/04	<1
W-834-D7	03/10/04	<1
W-834-D11	03/23/04	230 D
W-834-D12	03/10/04	1.4
W-834-D13	03/11/04	2.8
W-834-D13	12/09/04	4.7
W-834-D14	03/10/04	13
W-834-D15	01/26/04	<1
W-834-D18	08/23/04	<1 O
W-834-J1	03/24/04	1.2
W-834-J2	03/23/04	<1
W-834-M1	01/27/04	<1
W-834-S1	01/22/04	1.2
W-834-S1	10/07/04	1.5
W-834-S4	01/22/04	<1
W-834-S7	01/20/04	<1
W-834-S8	01/22/04	<2 D
W-834-S9	01/22/04	<2 D
W-834-T1	01/15/04	<1
W-834-T1	07/12/04	<1
W-834-T2	01/15/04	<1
W-834-T2	01/15/04 DUP	<1
W-834-T2A	01/15/04	<1
W-834-T2D	01/27/04	<1
W-834-T3	01/15/04	<1
W-834-T3	07/12/04	<1
W-834-T5	01/27/04	<1
W-834-U1	01/15/04	<1
W-834-U1	01/15/04 DUP	<1

B-6 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	01/26/04	1,500 D	-
W-834-2001	04/28/04	3,900,000 DIJ	-
W-834-2001	04/28/04 DUP	520,000 DIJ	-
W-834-C4	01/21/04	-	360 GLO
W-834-D7	03/10/04	-	590 G
W-834-D7	08/18/04	-	120 G
W-834-D10	03/23/04	-	<300 D
W-834-D11	03/23/04	-	<50
W-834-D12	03/10/04	-	76,000 DGH
W-834-S8	01/22/04	-	<400 DGLO
W-834-S9	01/22/04	-	<400 DGLO
W-834-U1	01/15/04	1,100 G	-
W-834-U1	01/15/04 DUP	770 G	-

B-7 Building 834 OU general minerals in ground water.

Constituents of concern	W-834-C4 01/21/04	W-834-M1 01/27/04	W-834-T2 01/15/04	W-834-T2 01/15/04 DUP	W-834-T2A 01/15/04	W-834-T2D 01/27/04
Total Alkalinity (as CaCO3) (mg/L)	180 H	76	260 DH	260 DH	310 DH	180
Aluminum (mg/L)	<0.05	<0.1 D	<0.05 H	<0.05 H	<0.05 H	<0.05
Bicarbonate Alk (as CaCO3) (mg/L)	160 H	76	230 DH	240 DH	280 DH	170
Calcium (mg/L)	16	290 D	26 HL	24 HL	16 HL	21
Carbonate Alk (as CaCO3) (mg/L)	21 H	<2.5	34 DH	21 DH	23 DH	9.5
Chloride (mg/L)	8.8	1,530 D	201	198	145	162
Copper (mg/L)	<0.01	<0.02 D	<0.01 H	0.024 H	<0.01 H	<0.01
Fluoride (mg/L)	0.56 H	0.54 DH	0.97 H	1 H	1.4 H	0.97 H
Hydroxide Alk (as CaCO3) (mg/L)	<2.5 H	<2.5	<10 DH	<5 DH	<5 DH	<2.5
Iron (mg/L)	<0.05	<0.1 D	<0.05 H	<0.05 H	<0.05 H	<0.05
Magnesium (mg/L)	10	230 D	21 H	21 H	13 H	17
Manganese (mg/L)	<0.01	0.2 D	<0.01 H	<0.01 H	<0.01 H	<0.01
Nickel (mg/L)	<0.05	0.14 D	<0.05 H	<0.05 H	<0.05 H	<0.05
Nitrate (as N) (mg/L)	12 DH	35 D	23 DH	21 DH	16 DH	20 D
Nitrate (as NO3) (mg/L)	53 DH	155 D	102 DH	93 DH	71 DH	89 D
Nitrate plus Nitrite (as N) (mg/L)	12 DH	35 D	23 DH	21 DH	16 DH	20 D
Nitrite (as N) (mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
pH (Units)	8.29 H	7.21	8.42 H	8.37 H	8.44 H	8.36
Ortho-Phosphate (mg/L)	0.32	0.92 D	<0.05	<0.05	<0.05	<0.05
Total Phosphorus (as P) (mg/L)	0.26 H	0.57 DH	<0.05 H	<0.05 H	<0.05 H	<0.05 H
Potassium (mg/L)	4.5	25 D	9.3 H	9.3 H	10 H	7.3
Sodium (mg/L)	85 L	810 D	240 HL	240 HL	240 HL	200
Total dissolved solids (TDS) (mg/L)	362 DH	4,540 D	835 DH	870 DH	760 DH	647 D
Specific Conductance (μmhos/cm)	525 H	6,590	1,430 H	1,420 H	1,290 H	1,120
Sulfate (mg/L)	36 H	1,160 DH	84 H	82 H	69 H	70 H
Surfactants (mg/L)	<0.5 D	<0.5 D	<0.5 D	<0.5	<0.5	<0.5
Total Hardness (as CaCO3) (mg/L)	81 H	1,670 D	150 H	148 H	95 H	121
Zinc (mg/L)	<0.05	<0.05 D	<0.05 H	<0.05 H	<0.05 H	<0.05

B-8 Building 834 OU metals in ground water.

Location	Date	Chromium (mg/L)
W-834-M1	01/27/04	0.018 D
W-834-M1	08/16/04	0.02 D
W-834-S4	01/22/04	0.001
W-834-S8	08/23/04	0.0068
W-834-S8	11/04/04	0.0061
W-834-S9	01/22/04	0.005
W-834-S9	08/23/04	0.0092
W-834-T2	01/15/04	0.006
W-834-T2	01/15/04 DUP	0.006

B-9 Building 834 OU high explosives in ground water.

Location	Date	HMX (μg/L)	RDX (μg/L)
W-834-C4	01/21/04	<5	<5

B-10 Pit 6 Landfill OU VOCs in ground water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
CARNRW1	01/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	02/17/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	04/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	06/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	07/14/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	08/11/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	09/15/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	10/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	10/25/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	12/08/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5 O
CARNRW2	01/14/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CARNRW2	01/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	02/17/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	04/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	05/12/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CARNRW2	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	06/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	07/14/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CARNRW2	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	09/21/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	10/25/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CARNRW2	10/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	12/08/04	E601	<0.5	<0.5	<1	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5 O
CARNRW3	01/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	02/17/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	04/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	06/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	08/12/04	E601	-	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	09/21/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW3	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	01/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	02/17/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	04/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	06/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	08/12/04	E601	-	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	09/21/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
CARNRW4	10/26/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW4	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
BC6-10	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
BC6-10	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-06	02/18/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-06	06/01/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-06	08/19/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-06	12/13/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-07	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-07	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-08	03/10/04	E624	<0.5	0.71	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-08	04/29/04	E624	<0.5	0.65	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-08	05/06/04	E624	<0.5	0.92	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-08	08/19/04	E624	<0.5	0.67	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-08	12/14/04	E624	<0.5	0.65	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-08	12/14/04 DUP	E624	<0.5	0.71	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-09	02/18/04	E624	5.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-09	06/01/04	E624	5.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-09	08/19/04	E624	5.1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
EP6-09	12/15/04	E601	5.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	02/18/04	E624	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	02/18/04 DUP	E624	<0.5	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	05/06/04	E624	<0.5	<0.5	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	08/24/04	E624	<0.5	<0.5	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	08/24/04 DUP	E624	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	11/29/04	E624	<0.5	<0.5	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-03	01/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-03	08/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-04	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-04	08/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-14	01/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-14	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-16	01/27/04	E601	0.99	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-16	07/29/04	E601	1.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-17	01/27/04	E601	0.74	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-17	04/21/04	E601	0.64	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-17	07/08/04	E601	0.58	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-17	10/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-18	01/28/04	E601	3.3	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-18	01/28/04 DUP	E601	3.6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-18	08/03/04	E601	3.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-18	08/03/04 DUP	E601	3.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K6-19	02/23/04	E624	3.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-19	05/06/04	E624	4.1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-19	08/02/04	E624	2.8	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-19	12/09/04	E624	1.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-22	10/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-22	10/05/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
K6-23	01/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-23	08/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
K6-24	01/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-24	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-25	01/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-25	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-26	01/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-26	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-27	01/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-27	07/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-32	03/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-32	08/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-33	03/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-33	08/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-34	02/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-34	02/04/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-34	04/21/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-34	07/08/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-34	10/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-35	01/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-35	08/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-36	03/10/04	E624	1.3	1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-36	12/16/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5 O	<0.5 O	<1 O	<0.5 O
W-33C-01	01/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-33C-01	08/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-34-01	02/18/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-34-02	02/18/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-PIT6-1819	02/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-PIT6-1819	04/21/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-PIT6-1819	07/08/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-PIT6-1819	10/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

B-10 Pit 6 Landfill OU VOCs in ground water. (analytes not listed above).

Location	Date	Method	Detection frequency	Bromodichloromethane (μg/L)	Bromoform (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
CARNRW1	01/14/04	E601	0 of 20	-	-	-	-	-
CARNRW1	02/17/04	E601	0 of 20	-	-	-	-	-
CARNRW1	03/10/04	E601	0 of 20	-	-	-	-	-
CARNRW1	04/14/04	E601	0 of 20	-	-	-	-	-
CARNRW1	05/12/04	E601	0 of 20	-	-	-	-	-
CARNRW1	06/09/04	E601	0 of 20	-	-	-	-	-
CARNRW1	07/14/04	E601	0 of 20	-	-	-	-	-
CARNRW1	07/14/04 DUP	E601	0 of 20	-	-	-	-	-
CARNRW1	08/11/04	E601	0 of 20	-	-	-	-	-
CARNRW1	08/11/04 DUP	E601	0 of 20	-	-	-	-	-
CARNRW1	09/15/04	E601	0 of 20	-	-	-	-	-
CARNRW1	09/15/04 DUP	E601	0 of 20	-	-	-	-	-
CARNRW1	10/25/04	E624	0 of 52	-	-	-	-	-
CARNRW1	11/10/04	E601	0 of 20	-	-	-	-	-
CARNRW1	12/08/04	E601	0 of 20	-	-	-	-	-
CARNRW2	01/14/04	E502.2	0 of 65	-	-	-	-	-
CARNRW2	02/17/04	E601	0 of 20	-	-	-	-	-
CARNRW2	03/10/04	E601	0 of 20	-	-	-	-	-
CARNRW2	04/14/04	E601	0 of 20	-	-	-	-	-
CARNRW2	05/12/04	E502.2	0 of 65	-	-	-	-	-
CARNRW2	06/09/04	E601	0 of 20	-	-	-	-	-
CARNRW2	07/14/04	E502.2	0 of 65	-	-	-	-	-
CARNRW2	08/11/04	E601	0 of 20	-	-	-	-	-
CARNRW2	09/21/04	E601	0 of 20	-	-	-	-	-
CARNRW2	10/25/04	E502.2	0 of 65	-	-	-	-	-
CARNRW2	11/10/04	E601	0 of 20	-	-	-	-	-
CARNRW2	12/08/04	E601	4 of 20	1.1	12	4.3	18	-
CARNRW3	01/14/04	E601	0 of 20	-	-	-	-	-
CARNRW3	02/17/04	E601	0 of 20	-	-	-	-	-
CARNRW3	03/10/04	E601	0 of 20	-	-	-	-	-
CARNRW3	04/14/04	E601	0 of 20	-	-	-	-	-
CARNRW3	05/12/04	E601	0 of 20	-	-	-	-	-
CARNRW3	06/09/04	E601	0 of 20	-	-	-	-	-
CARNRW3	07/14/04	E601	0 of 20	-	-	-	-	-
CARNRW3	08/12/04	E601	0 of 18	-	-	-	-	-
CARNRW3	09/21/04	E601	0 of 20	-	-	-	-	-
CARNRW3	10/26/04	E601	0 of 20	-	-	-	-	-
CARNRW3	11/10/04	E601	0 of 20	-	-	-	-	-
CARNRW3	12/09/04	E601	0 of 20	-	-	-	-	-
CARNRW4	01/14/04	E601	0 of 20	-	-	-	-	-
CARNRW4	02/17/04	E601	0 of 20	-	-	-	-	-
CARNRW4	03/10/04	E601	0 of 20	-	-	-	-	-
CARNRW4	04/14/04	E601	0 of 20	-	-	-	-	-
CARNRW4	05/12/04	E601	0 of 20	-	-	-	-	-
CARNRW4	06/10/04	E601	0 of 20	-	-	-	-	-
CARNRW4	07/14/04	E601	0 of 20	-	-	-	-	-
CARNRW4	08/12/04	E601	0 of 18	-	-	-	-	-
CARNRW4	09/21/04	E601	0 of 20	-	-	-	-	-
CARNRW4	10/26/04	E601	0 of 20	-	-	-	-	-
CARNRW4	11/10/04	E601	0 of 20	-	-	-	-	-
CARNRW4	12/09/04	E601	0 of 20	-	-	-	-	-
BC6-10	01/27/04	E601	0 of 20	-	-	-	-	-
BC6-10	07/29/04	E601	0 of 20	-	-	-	-	-

Location	Date	Method	Detection frequency	Bromodichloromethane (μg/L)	Bromoform (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
EP6-06	02/18/04	E624	0 of 32	-	-	-	-	-
EP6-06	06/01/04	E624	0 of 32	-	-	-	-	-
EP6-06	08/19/04	E624	0 of 31	-	-	-	-	-
EP6-06	12/13/04	E624	0 of 32	-	-	-	-	-
EP6-07	01/27/04	E601	0 of 20	-	-	-	-	-
EP6-07	07/29/04	E601	0 of 20	-	-	-	-	-
EP6-08	03/10/04	E624	0 of 32	-	-	-	-	-
EP6-08	04/29/04	E624	0 of 32	-	-	-	-	-
EP6-08	05/06/04	E624	0 of 32	-	-	-	-	-
EP6-08	08/19/04	E624	0 of 31	-	-	-	-	-
EP6-08	12/14/04	E624	0 of 32	-	-	-	-	-
EP6-08	12/14/04 DUP	E624	0 of 32	-	-	-	-	-
EP6-09	02/18/04	E624	0 of 32	-	-	-	-	-
EP6-09	06/01/04	E624	0 of 32	-	-	-	-	-
EP6-09	08/19/04	E624	0 of 31	-	-	-	-	-
EP6-09	12/15/04	E601	0 of 32	-	-	-	-	-
K6-01	01/27/04	E601	1 of 20	-	-	-	-	0.5
K6-01	07/29/04	E601	0 of 20	-	-	-	-	-
K6-01S	02/18/04	E624	1 of 32	-	-	-	-	2.3
K6-01S	02/18/04 DUP	E624	1 of 32	-	-	-	-	2.2
K6-01S	05/06/04	E624	1 of 32	-	-	-	-	2.6
K6-01S	08/24/04	E624	1 of 32	-	-	-	-	2
K6-01S	08/24/04 DUP	E624	1 of 32	-	-	-	-	2.1
K6-01S	11/29/04	E624	1 of 32	-	-	-	-	2.8
K6-03	01/28/04	E601	0 of 20	-	-	-	-	-
K6-03	08/03/04	E601	0 of 20	-	-	-	-	-
K6-04	01/27/04	E601	0 of 20	-	-	-	-	-
K6-04	08/03/04	E601	0 of 20	-	-	-	-	-
K6-14	01/27/04	E601	0 of 20	-	-	-	-	-
K6-14	07/29/04	E601	0 of 20	-	-	-	-	-
K6-16	01/27/04	E601	0 of 20	-	-	-	-	-
K6-16	07/29/04	E601	0 of 20	-	-	-	-	-
K6-17	01/27/04	E601	0 of 20	-	-	-	-	-
K6-17	04/21/04	E601	0 of 20	-	-	-	-	-
K6-17	07/08/04	E601	0 of 20	-	-	-	-	-
K6-17	10/05/04	E601	0 of 20	-	-	-	-	-
K6-18	01/28/04	E601	0 of 20	-	-	-	-	-
K6-18	01/28/04 DUP	E601	0 of 20	-	-	-	-	-
K6-18	08/03/04	E601	0 of 20	-	-	-	-	-
K6-18	08/03/04 DUP	E601	0 of 19	-	-	-	-	-
K6-19	02/23/04	E624	0 of 32	-	-	-	-	-
K6-19	05/06/04	E624	0 of 32	-	-	-	-	-
K6-19	08/02/04	E624	0 of 31	-	-	-	-	-
K6-19	12/09/04	E624	0 of 32	-	-	-	-	-
K6-22	10/05/04	E601	0 of 20	-	-	-	-	-
K6-22	10/05/04 DUP	E601	0 of 19	-	-	-	-	-
K6-23	01/29/04	E601	0 of 20	-	-	-	-	-
K6-23	08/04/04	E601	0 of 20	-	-	-	-	-
K6-24	01/28/04	E601	0 of 20	-	-	-	-	-
K6-24	07/29/04	E601	0 of 20	-	-	-	-	-
K6-25	01/29/04	E601	0 of 20	-	-	-	-	-
K6-25	07/29/04	E601	0 of 20	-	-	-	-	-
K6-26	01/28/04	E601	0 of 20	-	-	-	-	-

Location	Date	Method	Detection frequency	Bromodichloromethane (μg/L)	Bromoform (μg/L)	Dibromochloromethane (μg/L)	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
K6-26	07/29/04	E601	0 of 20	-	-	-	-	-
K6-27	01/28/04	E601	0 of 20	-	-	-	-	-
K6-27	07/29/04	E601	0 of 20	-	-	-	-	-
K6-32	03/03/04	E601	0 of 20	-	-	-	-	-
K6-32	08/03/04	E601	0 of 20	-	-	-	-	-
K6-33	03/03/04	E601	0 of 20	-	-	-	-	-
K6-33	08/04/04	E601	0 of 20	-	-	-	-	-
K6-34	02/04/04	E601	0 of 20	-	-	-	-	-
K6-34	02/04/04 DUP	E601	0 of 20	-	-	-	-	-
K6-34	04/21/04	E601	0 of 20	-	-	-	-	-
K6-34	07/08/04	E601	0 of 20	-	-	-	-	-
K6-34	10/05/04	E601	0 of 19	-	-	-	-	-
K6-35	01/29/04	E601	0 of 20	-	-	-	-	-
K6-35	08/04/04	E601	0 of 20	-	-	-	-	-
K6-36	03/10/04	E624	0 of 32	-	-	-	-	-
K6-36	12/16/04	E624	0 of 32	-	-	-	-	-
W-33C-01	01/29/04	E601	0 of 20	-	-	-	-	-
W-33C-01	08/03/04	E601	0 of 20	-	-	-	-	-
W-34-01	02/18/04	E601	0 of 20	-	-	-	-	-
W-34-02	02/18/04	E601	0 of 20	-	-	-	-	-
W-PIT6-1819	02/04/04	E601	0 of 20	-	-	-	-	-
W-PIT6-1819	04/21/04	E601	0 of 20	-	-	-	-	-
W-PIT6-1819	07/08/04	E601	0 of 20	-	-	-	-	-
W-PIT6-1819	10/05/04	E601	0 of 19	-	-	-	-	-

B-11 Pit 6 Landfill OU radiological constituents in ground water.

Location	Date	Tritium (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
CARNRW1	01/14/04	<87.2	-	-	-
CARNRW1	02/17/04	<92.8	-	-	-
CARNRW1	03/10/04	<92.4	-	-	-
CARNRW1	04/14/04	<102	-	-	-
CARNRW1	05/12/04	<89.7	-	-	-
CARNRW1	06/09/04	<86	-	-	-
CARNRW1	07/14/04	<96.4	-	-	-
CARNRW1	07/14/04 DUP	<92	-	-	-
CARNRW1	08/01/04	<93.2	-	-	-
CARNRW1	08/01/04 DUP	<87.9	-	-	-
CARNRW1	08/11/04	<101	-	-	-
CARNRW1	08/11/04 DUP	<101	-	-	-
CARNRW1	10/25/04	862 $\pm$ 110 S	-	-	-
CARNRW1	11/10/04	168 $\pm$ 53.0 S	-	-	-
CARNRW1	12/08/04	<87.7	-	-	-
CARNRW2	01/14/04	<87.2	-	-	-
CARNRW2	02/17/04	<87.9	-	-	-
CARNRW2	03/10/04	<89.6	-	-	-
CARNRW2	04/14/04	<95.8	-	-	-
CARNRW2	05/12/04	<87.8	-	-	-
CARNRW2	06/09/04	<90	-	-	-
CARNRW2	07/14/04	<94.4	<0.023	<0.02	<0.016
CARNRW2	08/11/04	<96.3	-	-	-
CARNRW2	09/21/04	<81.6	-	-	-
CARNRW2	10/25/04	852 $\pm$ 110 S	<0.035	<0.038	<0.027
CARNRW2	11/10/04	155 $\pm$ 52.0 S	-	-	-
CARNRW2	12/08/04	<87.8	-	-	-
CARNRW3	01/14/04	<86	-	-	-
CARNRW3	02/17/04	<94	-	-	-
CARNRW3	03/10/04	<88.5	-	-	-
CARNRW3	04/14/04	<97.4	-	-	-
CARNRW3	05/12/04	<87.5	-	-	-
CARNRW3	06/09/04	<87	-	-	-
CARNRW3	07/14/04	<93.3	-	-	-
CARNRW3	08/12/04	<88.1	-	-	-
CARNRW3	09/21/04	<79.3	-	-	-
CARNRW3	10/26/04	480 $\pm$ 78.0 S	-	-	-
CARNRW3	11/10/04	<75.8	-	-	-
CARNRW3	12/09/04	<87.7	-	-	-
CARNRW4	01/14/04	<86.4	-	-	-
CARNRW4	02/17/04	<93.6	-	-	-
CARNRW4	03/10/04	<91.6	-	-	-
CARNRW4	04/14/04	<91.8	-	-	-
CARNRW4	05/12/04	<87.5	-	-	-
CARNRW4	06/10/04	<93.1	-	-	-
CARNRW4	07/14/04	<93.9	-	-	-
CARNRW4	08/12/04	<89.5	-	-	-
CARNRW4	09/21/04	<80.5	-	-	-
CARNRW4	10/26/04	463 $\pm$ 77.0 S	-	-	-
CARNRW4	11/10/04	<77.7	-	-	-
CARNRW4	12/09/04	<87.9	-	-	-
BC6-10	01/27/04	<95	-	-	-
BC6-10	07/29/04	<89	-	-	-

Location	Date	Tritium (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
EP6-06	02/18/04	<93.8	0.525 ± 0.0910	<0.021	0.334 ± 0.0640
EP6-06	06/01/04	<89.2	0.536 ± 0.0950	<0.026 E	0.306 ± 0.0680
EP6-06	08/19/04	<86.8	-	-	-
EP6-06	08/25/04	-	2.25 ± 0.260	<0.019 E	1.40 ± 0.180
EP6-06	12/13/04	<90.4	-	-	-
EP6-06	12/20/04	-	0.828 ± 0.130	<0.028 E	0.472 ± 0.0910
EP6-07	01/27/04	<95	-	-	-
EP6-07	07/29/04	<87.3	-	-	-
EP6-08	03/10/04	<89.9	0.667 ± 0.120	<0.029 E	0.504 ± 0.0960
EP6-08	05/06/04	<77.6	-	-	-
EP6-08	06/01/04	-	0.895 ± 0.140	<0.027 E	0.670 ± 0.110
EP6-08	08/19/04	<86.5	0.752 ± 0.120	<0.024 E	0.528 ± 0.0920
EP6-08	12/14/04	<87.8	0.346 ± 0.0750	<0.028	0.267 ± 0.0670
EP6-08	12/14/04 DUP	<86.3	0.320 ± 0.0710	<0.029	0.283 ± 0.0690
EP6-09	02/18/04	<93.2	1.15 ± 0.150	<0.02 E	0.963 ± 0.130
EP6-09	06/01/04	<87.9	1.28 ± 0.180	<0.026 E	1.11 ± 0.160
EP6-09	08/19/04	<86.6	1.16 ± 0.170	<0.026 E	0.970 ± 0.150
EP6-09	12/15/04	<86.2	1.23 ± 0.180	<0.034 E	0.873 ± 0.130
K6-01	01/27/04	299 ± 70.0	-	-	-
K6-01	07/29/04	<83.9 E	-	-	-
K6-01S	02/18/04	<93.2 E	1.95 ± 0.230	<0.019 E	1.41 ± 0.180
K6-01S	02/18/04 DUP	116 ± 59.0	1.92 ± 0.230	<0.024 E	1.41 ± 0.180
K6-01S	05/06/04	196 ± 53.0	2.39 ± 0.290 F	0.132 ± 0.0430	1.86 ± 0.230
K6-01S	08/24/04	298 ± 66.0	2.15 ± 0.260	0.100 ± 0.0360	1.53 ± 0.190
K6-01S	08/24/04 DUP	355 ± 73.0	2.26 ± 0.270	<0.019 E	1.52 ± 0.190
K6-01S	11/29/04	205 ± 62.0	2.29 ± 0.290	<0.025 E	1.56 ± 0.210
K6-03	01/28/04	<93.1 E	-	-	-
K6-03	08/03/04	<87	-	-	-
K6-04	01/27/04	<95.3	-	-	-
K6-04	08/03/04	<87.4	-	-	-
K6-14	01/27/04	<97.7	-	-	-
K6-14	07/29/04	<88.6	-	-	-
K6-16	01/27/04	520 ± 83.0	-	-	-
K6-16	07/29/04	422 ± 73.0	-	-	-
K6-17	01/27/04	<96.1	-	-	-
K6-17	04/21/04	<80.2	-	-	-
K6-17	07/08/04	<94.5	-	-	-
K6-17	10/05/04	<96.1	-	-	-
K6-18	01/28/04	420 ± 76.0	-	-	-
K6-18	01/28/04 DUP	325 ± 67.0	-	-	-
K6-18	08/03/04	<238	-	-	-
K6-18	08/03/04 DUP	278 ± 61.0	-	-	-
K6-19	02/23/04	267 ± 64.0	2.01 ± 0.230	<0.017 E	1.17 ± 0.140
K6-19	05/06/04	296 ± 59.0	1.87 ± 0.230 F	<0.022 E	1.12 ± 0.160
K6-19	08/02/04	212 ± 62.0	1.97 ± 0.250	<0.036	1.16 ± 0.170
K6-19	12/09/04	264 ± 63.0	2.04 ± 0.250	<0.033 E	1.17 ± 0.160
K6-22	10/05/04	<243	-	-	-
K6-22	10/05/04 DUP	<93.3	-	-	-
K6-23	01/29/04	<101	-	-	-
K6-23	08/04/04	<85.1	-	-	-
K6-24	01/28/04	456 ± 79.0	-	-	-
K6-24	07/29/04	384 ± 71.0	-	-	-
K6-25	01/29/04	<104	-	-	-

Location	Date	Tritium (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
K6-25	07/29/04	<89.4	-	-	-
K6-26	01/28/04	126 $\pm$ 57.0	-	-	-
K6-26	07/29/04	<88.4	-	-	-
K6-27	01/28/04	<92.4	-	-	-
K6-27	07/29/04	<88	-	-	-
K6-32	03/03/04	<88.1	-	-	-
K6-32	08/03/04	<83.3	-	-	-
K6-33	03/03/04	430 $\pm$ 76.0	-	-	-
K6-33	08/04/04	463 $\pm$ 74.0	-	-	-
K6-34	02/04/04	<83.9	-	-	-
K6-34	02/04/04 DUP	<82.8	-	-	-
K6-34	04/21/04	<79.6	-	-	-
K6-34	07/08/04	<90.3	-	-	-
K6-34	10/05/04	<94.1	-	-	-
K6-35	01/29/04	258 $\pm$ 71.0	-	-	-
K6-35	08/04/04	191 $\pm$ 56.0	-	-	-
K6-36	03/10/04	1,660 $\pm$ 180	1.32 $\pm$ 0.190	<0.029 E	0.842 $\pm$ 0.140
K6-36	12/16/04	1,680 $\pm$ 190	1.02 $\pm$ 0.150	<0.027 E	0.695 $\pm$ 0.120
W-33C-01	01/29/04	<102	-	-	-
W-33C-01	08/03/04	<84.2	-	-	-
W-34-01	02/18/04	<100	-	-	-
W-34-02	02/18/04	<100	-	-	-
W-PIT6-1819	02/04/04	159 $\pm$ 57.0	-	-	-
W-PIT6-1819	04/21/04	240 $\pm$ 56.0	-	-	-
W-PIT6-1819	07/08/04	227 $\pm$ 62.0	-	-	-
W-PIT6-1819	10/05/04	146 $\pm$ 59.0	-	-	-

B-12 Pit 6 Landfill OU nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
CARNRW1	01/14/04	<0.44	<4 H
CARNRW1	02/17/04	<0.44	<4
CARNRW1	03/10/04	0.51	<4
CARNRW1	04/14/04	0.54	<4
CARNRW1	05/12/04	0.61	<4
CARNRW1	06/09/04	<0.44	<4
CARNRW1	07/14/04	<0.44	<4
CARNRW1	07/14/04 DUP	<0.44	<4
CARNRW1	08/11/04	<0.44	<4
CARNRW1	08/11/04 DUP	<0.44	<4
CARNRW1	09/15/04	<0.44	<4
CARNRW1	09/15/04 DUP	<0.44	<4
CARNRW1	10/25/04	<0.44	<4
CARNRW1	11/10/04	<0.44	<4
CARNRW1	12/08/04	<0.44	<4
CARNRW2	01/14/04	<0.44	<4 H
CARNRW2	02/17/04	<0.44	<4
CARNRW2	03/10/04	<0.44	<4
CARNRW2	04/14/04	<0.44	<4
CARNRW2	05/12/04	<0.44	<4
CARNRW2	06/09/04	<0.44	<4
CARNRW2	07/14/04	<0.44	<4
CARNRW2	08/11/04	<0.44	<4
CARNRW2	09/21/04	<0.44	<4
CARNRW2	10/25/04	<0.44	<4
CARNRW2	11/10/04	<0.44	<4
CARNRW2	12/08/04	<0.44	<4
CARNRW3	01/14/04	<0.44	<4 H
CARNRW3	02/17/04	<0.44	<4
CARNRW3	03/10/04	<0.44	<4
CARNRW3	04/14/04	<0.44	<4
CARNRW3	05/12/04	<0.44	<4
CARNRW3	06/09/04	<0.44	<4
CARNRW3	07/14/04	<0.44	<4
CARNRW3	08/12/04	<0.44	<4
CARNRW3	09/21/04	<0.44	<4
CARNRW3	10/26/04	<0.44	<4
CARNRW3	11/10/04	<0.44	<4
CARNRW3	12/09/04	<0.44	<4
CARNRW4	01/14/04	<0.44	<4 H
CARNRW4	02/17/04	3.4 D	<4
CARNRW4	03/10/04	8.74	<4
CARNRW4	04/14/04	4	<4
CARNRW4	05/12/04	2.5	<4
CARNRW4	06/10/04	1.8 D	<4
CARNRW4	07/14/04	1.1	<4
CARNRW4	08/12/04	<0.44	<4
CARNRW4	09/21/04	<0.44	<4
CARNRW4	10/26/04	<0.44	<4
CARNRW4	11/10/04	<0.44	<4
CARNRW4	12/09/04	<0.44	<4
BC6-10	01/27/04	1	<4
EP6-06	02/18/04	<0.44	-

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
EP6-06	03/18/04	-	<4 H
EP6-06	06/01/04	<0.44	<4
EP6-06	08/19/04	1	<4
EP6-06	12/13/04	1.5	<4
EP6-07	01/27/04	<0.44	<4
EP6-08	03/10/04	3.9	<4
EP6-08	05/06/04	3.1	<4
EP6-08	08/19/04	<0.44	<4
EP6-08	12/14/04	1.5	<4
EP6-08	12/14/04 DUP	1.1	<4
EP6-09	02/18/04	3.3	4.5
EP6-09	06/01/04	2.6	<4
EP6-09	08/19/04	2.9	4.4
EP6-09	12/15/04	2.9	4.4
K6-01	01/27/04	<0.44	<4
K6-01S	02/18/04	<0.88 D	<4
K6-01S	02/18/04 DUP	<0.88 D	<4
K6-01S	05/06/04	<0.88 D	<4
K6-01S	08/24/04	<0.88 D	<4
K6-01S	08/24/04 DUP	<0.88 D	<4
K6-01S	11/29/04	<0.88 D	<4
K6-03	01/28/04	<0.44	<4 H
K6-04	01/27/04	9.05	<4
K6-14	01/27/04	<0.44	<4
K6-16	01/27/04	<2.2 D	<4
K6-17	01/27/04	<0.44	<4
K6-17	07/08/04	<0.44	<4
K6-18	01/28/04	17 DH	14 H
K6-18	01/28/04 DUP	29.5 D	13 H
K6-18	12/09/04	-	12
K6-19	02/23/04	<0.44	<4
K6-19	05/06/04	<0.44	<4
K6-19	08/02/04	<0.44	<4
K6-19	12/09/04	<0.44	<4
K6-23	01/29/04	181 D	<4 H
K6-23	03/03/04	165 D	-
K6-24	01/28/04	1.5	<4 H
K6-25	01/29/04	<0.44	<4 H
K6-26	01/28/04	<0.44	<4 H
K6-27	01/28/04	4.2	<4 H
K6-32	03/03/04	0.9	<4 H
K6-33	03/03/04	<0.44	<4 H
K6-34	02/04/04	<0.44	<4
K6-34	02/04/04 DUP	<0.44	<4
K6-34	07/08/04	<0.44	<4
K6-35	01/29/04	<0.44	<4 H
K6-36	03/10/04	1.4	6.2
K6-36	12/16/04	3	5.9
W-33C-01	01/29/04	1.5 D	<4 H
W-34-01	02/18/04	<0.44	<4 H
W-34-02	02/18/04	<0.44	<4 H
W-PIT6-1819	02/04/04	<0.44	<4
W-PIT6-1819	07/08/04	<0.44	<4

B-13 Pit 6 Landfill OU metals in ground water.

Location	Date	Lead (mg/L)
EP6-09	02/18/04	<0.008 D
K6-03	01/28/04	<0.004 D
K6-23	03/03/04	<0.02 D
K6-26	01/28/04	<0.004 D
K6-33	03/03/04	<0.02 D

B-14 High Explosive Process Area OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	Total 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)	Freon 11 (µg/L)	Freon 113 (µg/L)	Methylene chloride (µg/L)	Vinyl chloride (µg/L)
W-829-1938	02/19/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-1938	04/27/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-1938	04/27/04 DUP	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-1938	08/05/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-1938	11/15/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-1940	02/24/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-1940	08/24/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	01/15/04	E502.2	0.28	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	01/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	02/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	03/10/04	E502.2	0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	03/10/04 DUP	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	04/14/04	E601	0.54	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	05/12/04	E502.2	0.33	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	06/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	07/19/04	E601	0.55	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	08/12/04	E502.2	0.37	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	08/12/04	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	09/16/04	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	10/29/04	E502.2	0.59	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	10/29/04	E601	0.67	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	11/12/04	E601	0.61	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	12/09/04	E601	0.61	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 B	<0.5
W-35B-01	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-01	04/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5 O	<0.5	<0.5	<0.5	<3	<0.5
W-35B-01	07/12/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<3	<0.5
W-35B-01	10/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35B-01	10/25/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	-	<3	<0.5
W-35B-02	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-02	04/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<3	<0.5
W-35B-02	07/12/04	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6 F	<0.5	<3	<0.5
W-35B-02	10/25/04	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-35B-03	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-03	04/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<3	<0.5
W-35B-03	07/12/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-03	10/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-35B-04	02/23/04	E601	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-04	04/20/04	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<3	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-35B-04	07/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-04	10/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-35B-05	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-05	04/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5	<0.5	<3	<0.5
W-35B-05	07/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35B-05	10/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-35C-01	01/21/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-02	02/19/04	E601	0.8 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	<3 H	<0.5 H
W-35C-02	08/04/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-04	03/02/04	E601	9.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35C-04	07/14/04	E601	6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-35C-05	02/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-05	07/29/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-06	02/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-06	07/29/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-07	02/05/04	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-07	07/29/04	E601	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-08	02/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-35C-08	07/29/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-4A	02/19/04	E601	5.6 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	<0.5 H	<3 H	<0.5 H
W-4A	02/19/04 DUP	E601	5.5 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	<3 H	<0.5 H
W-4A	08/17/04	E601	4.8 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-4AS	02/19/04	E601	2.6 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	<0.5 H	<3 H	<0.5 H
W-4AS	08/17/04	E601	2.5 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-4B	02/05/04	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-4B	08/02/04	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-4C	02/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-4C	08/02/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6BD	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6BS	02/23/04	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6BS	08/17/04	E601	1.1 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-6BS	08/17/04 DUP	E601	1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-6CD	02/19/04	E601	1.1 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	<3 H	<0.5 H
W-6CD	08/02/04	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6CI	02/19/04	E601	<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	<3 H	<0.5 H
W-6CI	08/02/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6CS	02/19/04	E601	<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	<3 H	<0.5 H
W-6CS	08/02/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6EI	02/19/04	E601	<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	<3 H	<0.5 H
W-6EI	08/16/04	E601	6.2 IJ	-	-	-	-	-	-	-	-	-	-	-	-

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-6ER	08/16/04	E601	7.8 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-6ES	02/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6F	02/19/04	E601	<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	<3 H	<0.5 H
W-6F	08/04/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6G	02/19/04	E601	7.7 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	<3 H	<0.5 H
W-6G	08/02/04	E601	6.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6H	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6H	04/13/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6H	07/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6H	11/08/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-6I	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6I	07/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6J	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6J	04/13/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6J	07/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6J	11/08/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-6K	02/19/04	E601	10 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	<3 H	<0.5 H
W-6K	08/04/04	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-6L	02/19/04	E601	24 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	<3 H	<0.5 H
W-6L	08/04/04	E601	28	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-808-01	02/26/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<3	<0.5
W-808-03	02/26/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<3	<0.5
W-809-01	02/11/04	E601	3.3	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<3	<0.5
W-809-01	02/11/04 DUP	E601	2.8	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	2	<0.5	<0.5	<0.5	<3	<0.5
W-809-01	08/09/04	E601	3.5 IJ	-	-	-	2.5 IJ	-	-	2.7 IJ	-	-	-	-	-
W-809-01	08/09/04 DUP	E601	2.8	<0.5	<1	<0.5	2.1	<0.5	<0.5	1.9	<0.5	<0.5	<0.5	<1	<0.5
W-809-02	02/11/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-809-03	02/11/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-809-04	02/11/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-809-04	06/07/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-810-01	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-810-01	08/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-814-01	03/02/04	E601	2.3	<0.5	1	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-814-01	03/02/04 DUP	E601	2.4	<0.5	1.1	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-814-01	08/18/04	E601	1.9 IJ	-	-	-	0.7 IJ	-	0.5 IJ	-	-	-	-	-	-
W-814-02	03/02/04	E601	8.1	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<3	<0.5
W-814-02	08/18/04	E601	7.9 IJ	-	-	-	0.7 IJ	-	-	0.6 IJ	-	-	-	-	-
W-814-04	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-814-04	08/24/04	E601	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-815-05	02/11/04	E601	13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-815-05	08/05/04	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-815-05	08/05/04 DUP	E601	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-815-06	03/02/04	E601	13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<3	<0.5
W-815-06	08/18/04	E601	12 IJ	-	-	-	-	-	-	0.5 IJ	-	-	-	-	-
W-815-07	03/02/04	E601	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-815-07	08/18/04	E601	14 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-815-08	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-815-08	04/13/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-815-08	07/15/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-815-08	11/01/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-817-01	02/17/04	WDRE624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-01	05/06/04	WDRE624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-01	08/03/04	WDRE624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-01	11/01/04	WDRE624	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	02/12/04	E601	0.67	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	02/12/04	WDRE624	0.61	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	05/06/04	WDRE624	0.63	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	05/06/04 DUP	WDRE624	0.74	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	08/03/04	WDRE624	0.53	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	10/29/04	WDRE624	0.54	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-02	10/29/04 DUP	WDRE624	0.58	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	02/18/04	E601	13	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	02/18/04	WDRE624	13	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	02/18/04 DUP	E601	13	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	02/18/04 DUP	WDRE624	13	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5 E	<0.5 E	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	05/10/04	WDRE624	14	<0.5	<1	<0.5	<0.5 EF	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	08/04/04	WDRE624	12	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-03	10/29/04	WDRE624	13	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<1	<0.5
W-817-04	02/19/04	WDRE624	7.5	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-04	05/10/04	WDRE624	9.3	<0.5	<1	<0.5	<0.5 EF	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-04	08/04/04	WDRE624	8.6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-04	08/04/04 DUP	WDRE624	9.8	<0.5	<1	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-04	11/01/04	WDRE624	3.1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-05	02/11/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-817-07	02/11/04	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-817-07	08/05/04	E601	3.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-817-07	08/05/04 DUP	E601	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-818-01	03/02/04	E601	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-818-01	08/18/04	E601	14 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-818-03	03/02/04	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-818-03	08/18/04	E601	9.9 IJ	-	-	-	-	-	-	-	-	-	-	-	-
W-818-04	03/01/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-818-04	08/23/04	E601	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-818-06	03/01/04	E601	21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-818-06	08/23/04	E601	19 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-818-07	03/01/04	E601	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-818-07	08/23/04	E601	16 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-818-08	03/02/04	E601	51	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-818-08	07/14/04	E601	45	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-818-09	03/02/04	E601	24	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-818-09	07/14/04	E601	21	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-818-11	03/02/04	E601	52	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<3	<0.5
W-818-11	08/23/04	E601	53 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	0.6 IJ	<0.5 IJ	<0.5 IJ	1 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-819-02	02/23/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-819-02	08/23/04	E601	0.7 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-823-01	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-823-01	08/24/04	E601	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-823-02	01/20/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-823-02	01/20/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-823-02	08/24/04	E601	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-823-03	01/20/04	E601	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-823-03	08/24/04	E601	0.7 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-823-13	01/21/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-823-13	08/24/04	E601	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<0.5 IJ	<3 IJ	<0.5 IJ
W-827-05	02/24/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-827-05	06/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-827-05	08/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-06	02/18/04	E601	130 D	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-06	12/09/04	E601	99	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-08	02/18/04	E601	23	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-08	12/09/04	E601	13	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-15	02/05/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-15	05/05/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-15	07/26/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-15	11/09/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-15	11/09/04 DUP	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-22	02/12/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-22	02/12/04 DUP	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-22	05/04/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-22	08/03/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-829-22	08/03/04 DUP	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-829-22	11/17/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	01/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	01/14/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	02/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	02/11/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	03/10/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	04/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	04/14/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	05/12/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	06/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	06/09/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	07/14/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	08/11/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	09/15/04	E601	0.53	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	10/27/04	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	10/27/04 DUP	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	11/10/04	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	11/10/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL18	12/09/04	E601	<0.5 E	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 B	<0.5
WELL18	12/09/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 B	<0.5
WELL20	01/14/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	01/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	02/11/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	02/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	03/10/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	03/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	04/14/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	04/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	05/12/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	05/12/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	06/09/04	E502.2	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	06/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	07/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	08/11/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	08/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
WELL20	09/15/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	09/15/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	10/27/04	E502.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	10/27/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	11/10/04	E502.2	<0.12	<0.12	<0.29	<0.11	<0.11	<0.17	<0.13	<0.15 L	<0.12	<0.094	<0.13	<0.16	<0.13
WELL20	11/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	12/09/04	E502.2	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	12/09/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 B	<0.5

B-14 High Explosive Process Area OU VOCs in ground and surface water. (analytes not listed above).

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
W-829-1938	02/19/04	E624	0 of 32	-	-
W-829-1938	04/27/04	E624	0 of 32	-	-
W-829-1938	04/27/04 DUP	E624	0 of 32	-	-
W-829-1938	08/05/04	E624	0 of 32	-	-
W-829-1938	11/15/04	E624	0 of 32	-	-
W-829-1940	02/24/04	E601	0 of 20	-	-
W-829-1940	08/24/04	E601	0 of 20	-	-
GALLO1	01/15/04	E502.2	0 of 65	-	-
GALLO1	02/11/04	E601	0 of 20	-	-
GALLO1	03/10/04	E502.2	0 of 65	-	-
GALLO1	03/10/04 DUP	E502.2	0 of 45	-	-
GALLO1	04/14/04	E601	0 of 20	-	-
GALLO1	05/12/04	E502.2	0 of 65	-	-
GALLO1	06/09/04	E601	0 of 20	-	-
GALLO1	07/19/04	E601	0 of 20	-	-
GALLO1	08/12/04	E502.2	0 of 65	-	-
GALLO1	09/16/04	E601	0 of 20	-	-
GALLO1	10/29/04	E502.2	0 of 65	-	-
GALLO1	11/12/04	E601	0 of 20	-	-
GALLO1	12/09/04	E601	0 of 20	-	-
W-35B-01	02/23/04	E601	0 of 19	-	-
W-35B-01	04/20/04	E601	0 of 19	-	-
W-35B-01	07/12/04	E601	0 of 19	-	-
W-35B-01	10/25/04	E601	0 of 20	-	-
W-35B-01	10/25/04 DUP	E601	0 of 19	-	-
W-35B-02	02/23/04	E601	0 of 19	-	-
W-35B-02	04/20/04	E601	0 of 19	-	-
W-35B-02	07/12/04	E601	0 of 19	-	-
W-35B-02	10/25/04	E601	0 of 19	-	-
W-35B-03	02/23/04	E601	0 of 19	-	-
W-35B-03	04/20/04	E601	0 of 19	-	-
W-35B-03	07/12/04	E601	0 of 19	-	-
W-35B-03	10/25/04	E601	0 of 19	-	-
W-35B-04	02/23/04	E601	0 of 19	-	-
W-35B-04	04/20/04	E601	0 of 19	-	-
W-35B-04	07/08/04	E601	0 of 19	-	-
W-35B-04	10/25/04	E601	0 of 19	-	-
W-35B-05	02/23/04	E601	0 of 19	-	-
W-35B-05	04/20/04	E601	0 of 19	-	-

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
W-35B-05	07/08/04	E601	0 of 19	-	-

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
W-35B-05	10/25/04	E601	0 of 19	-	-
W-35C-01	01/21/04	E601	0 of 19	-	-
W-35C-02	02/19/04	E601	0 of 19	-	-
W-35C-02	08/04/04	E601	0 of 19	-	-
W-35C-04	03/02/04	E601	0 of 20	-	-
W-35C-04	07/14/04	E601	0 of 20	-	-
W-35C-05	02/05/04	E601	0 of 19	-	-
W-35C-05	07/29/04	E601	0 of 19	-	-
W-35C-06	02/05/04	E601	0 of 19	-	-
W-35C-06	07/29/04	E601	0 of 19	-	-
W-35C-07	02/05/04	E601	0 of 19	-	-
W-35C-07	07/29/04	E601	0 of 19	-	-
W-35C-08	02/05/04	E601	0 of 19	-	-
W-35C-08	07/29/04	E601	0 of 19	-	-
W-4A	02/19/04	E601	0 of 19	-	-
W-4A	02/19/04 DUP	E601	0 of 19	-	-
W-4AS	02/19/04	E601	0 of 19	-	-
W-4B	02/05/04	E601	0 of 19	-	-
W-4B	08/02/04	E601	0 of 19	-	-
W-4C	02/05/04	E601	0 of 19	-	-
W-4C	08/02/04	E601	0 of 19	-	-
W-6BD	02/23/04	E601	0 of 19	-	-
W-6BS	02/23/04	E601	0 of 19	-	-
W-6BS	08/17/04 DUP	E601	0 of 20	-	-
W-6CD	02/19/04	E601	0 of 19	-	-
W-6CD	08/02/04	E601	0 of 19	-	-
W-6CI	02/19/04	E601	0 of 19	-	-
W-6CI	08/02/04	E601	0 of 19	-	-
W-6CS	02/19/04	E601	0 of 19	-	-
W-6CS	08/02/04	E601	0 of 19	-	-
W-6EI	02/19/04	E601	0 of 19	-	-
W-6ES	02/05/04	E601	0 of 19	-	-
W-6F	02/19/04	E601	0 of 19	-	-
W-6F	08/04/04	E601	0 of 19	-	-
W-6G	02/19/04	E601	0 of 19	-	-
W-6G	08/02/04	E601	0 of 19	-	-
W-6H	01/20/04	E601	0 of 19	-	-
W-6H	04/13/04	E601	0 of 19	-	-
W-6H	07/08/04	E601	0 of 19	-	-
W-6H	11/08/04	E601	0 of 19	-	-

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
W-6I	01/20/04	E601	0 of 19	-	-
W-6I	07/08/04	E601	0 of 19	-	-
W-6J	01/20/04	E601	0 of 19	-	-
W-6J	04/13/04	E601	0 of 19	-	-
W-6J	07/08/04	E601	0 of 19	-	-
W-6J	11/08/04	E601	0 of 19	-	-
W-6K	02/19/04	E601	0 of 19	-	-
W-6K	08/04/04	E601	0 of 19	-	-
W-6L	02/19/04	E601	0 of 19	-	-
W-6L	08/04/04	E601	0 of 19	-	-
W-808-01	02/26/04	E601	0 of 19	-	-
W-808-03	02/26/04	E601	0 of 19	-	-
W-809-01	02/11/04	E601	0 of 19	-	-
W-809-01	02/11/04 DUP	E601	0 of 19	-	-
W-809-01	08/09/04 DUP	E601	1 of 20	2.1	-
W-809-02	02/11/04	E601	0 of 19	-	-
W-809-03	02/11/04	E601	0 of 19	-	-
W-809-04	02/11/04	E601	0 of 19	-	-
W-809-04	06/07/04	E601	0 of 19	-	-
W-810-01	01/20/04	E601	0 of 19	-	-
W-810-01	08/05/04	E601	0 of 19	-	-
W-814-01	03/02/04	E601	1 of 19	-	1
W-814-01	03/02/04 DUP	E601	1 of 19	-	1.1
W-814-01	08/18/04	E601	1 of 1	-	1.3 IJ
W-814-02	03/02/04	E601	0 of 19	-	-
W-814-04	02/23/04	E601	0 of 19	-	-
W-814-04	08/24/04	E601	0 of 19	-	-
W-815-05	02/11/04	E601	0 of 19	-	-
W-815-05	08/05/04	E601	0 of 19	-	-
W-815-05	08/05/04 DUP	E601	0 of 19	-	-
W-815-06	03/02/04	E601	0 of 19	-	-
W-815-07	03/02/04	E601	0 of 19	-	-
W-815-08	01/20/04	E601	0 of 19	-	-
W-815-08	04/13/04	E601	0 of 19	-	-
W-815-08	07/15/04	E601	0 of 19	-	-
W-815-08	11/01/04	E601	0 of 19	-	-
W-817-01	02/17/04	WDRE624	0 of 35	-	-
W-817-01	05/06/04	WDRE624	0 of 35	-	-
W-817-01	08/03/04	WDRE624	0 of 35	-	-
W-817-01	11/01/04	WDRE624	0 of 35	-	-

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
W-817-02	02/12/04	WDRE624	0 of 55	-	-
W-817-02	05/06/04	WDRE624	0 of 35	-	-
W-817-02	05/06/04 DUP	WDRE624	0 of 35	-	-
W-817-02	08/03/04	WDRE624	0 of 35	-	-
W-817-02	10/29/04	WDRE624	0 of 35	-	-
W-817-02	10/29/04 DUP	WDRE624	0 of 35	-	-
W-817-03	02/18/04	WDRE624	0 of 55	-	-
W-817-03	02/18/04 DUP	WDRE624	0 of 55	-	-
W-817-03	05/10/04	WDRE624	0 of 35	-	-
W-817-03	08/04/04	WDRE624	0 of 35	-	-
W-817-03	10/29/04	WDRE624	0 of 35	-	-
W-817-04	02/19/04	WDRE624	0 of 35	-	-
W-817-04	05/10/04	WDRE624	0 of 35	-	-
W-817-04	08/04/04	WDRE624	0 of 35	-	-
W-817-04	08/04/04 DUP	WDRE624	0 of 35	-	-
W-817-04	11/01/04	WDRE624	0 of 35	-	-
W-817-05	02/11/04	E601	0 of 19	-	-
W-817-07	02/11/04	E601	0 of 19	-	-
W-817-07	08/05/04	E601	0 of 19	-	-
W-817-07	08/05/04 DUP	E601	0 of 19	-	-
W-818-01	03/02/04	E601	0 of 19	-	-
W-818-03	03/02/04	E601	0 of 19	-	-
W-818-04	03/01/04	E601	0 of 19	-	-
W-818-04	08/23/04	E601	0 of 19	-	-
W-818-06	03/01/04	E601	0 of 19	-	-
W-818-06	08/23/04	E601	0 of 19	-	-
W-818-07	03/01/04	E601	0 of 19	-	-
W-818-07	08/23/04	E601	0 of 19	-	-
W-818-08	03/02/04	E601	0 of 20	-	-
W-818-08	07/14/04	E601	0 of 20	-	-
W-818-09	03/02/04	E601	0 of 20	-	-
W-818-09	07/14/04	E601	0 of 20	-	-
W-818-11	03/02/04	E601	0 of 19	-	-
W-818-11	08/23/04	E601	0 of 19	-	-
W-819-02	02/23/04	E601	0 of 19	-	-
W-819-02	08/23/04	E601	0 of 19	-	-
W-823-01	01/20/04	E601	0 of 19	-	-
W-823-01	08/24/04	E601	0 of 19	-	-
W-823-02	01/20/04	E601	0 of 19	-	-
W-823-02	01/20/04 DUP	E601	0 of 19	-	-

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
W-823-02	08/24/04	E601	0 of 19	-	-
W-823-03	01/20/04	E601	0 of 19	-	-
W-823-03	08/24/04	E601	0 of 19	-	-
W-823-13	01/21/04	E601	0 of 19	-	-
W-823-13	08/24/04	E601	0 of 19	-	-
W-827-05	02/24/04	E601	0 of 20	-	-
W-827-05	06/14/04	E601	0 of 19	-	-
W-827-05	08/25/04	E601	0 of 20	-	-
W-829-06	02/18/04	E601	0 of 20	-	-
W-829-06	12/09/04	E601	0 of 20	-	-
W-829-08	02/18/04	E601	0 of 20	-	-
W-829-08	12/09/04	E601	0 of 20	-	-
W-829-15	02/05/04	E624	0 of 32	-	-
W-829-15	05/05/04	E624	0 of 32	-	-
W-829-15	07/26/04	E624	0 of 32	-	-
W-829-15	11/09/04	E624	0 of 32	-	-
W-829-15	11/09/04 DUP	E624	0 of 32	-	-
W-829-22	02/12/04	E624	0 of 32	-	-
W-829-22	02/12/04 DUP	E624	0 of 32	-	-
W-829-22	05/04/04	E624	0 of 32	-	-
W-829-22	08/03/04	E624	0 of 32	-	-
W-829-22	08/03/04 DUP	E624	0 of 32	-	-
W-829-22	11/17/04	E624	0 of 32	-	-
WELL18	01/14/04	E601	0 of 20	-	-
WELL18	01/14/04 DUP	E601	0 of 20	-	-
WELL18	02/11/04	E601	0 of 20	-	-
WELL18	02/11/04 DUP	E601	0 of 20	-	-
WELL18	03/10/04	E601	0 of 20	-	-
WELL18	03/10/04 DUP	E601	0 of 20	-	-
WELL18	04/14/04	E601	0 of 20	-	-
WELL18	04/14/04 DUP	E601	0 of 20	-	-
WELL18	05/12/04	E601	0 of 20	-	-
WELL18	05/12/04 DUP	E601	0 of 20	-	-
WELL18	06/09/04	E601	0 of 20	-	-
WELL18	06/09/04 DUP	E601	0 of 20	-	-
WELL18	07/14/04	E601	0 of 20	-	-
WELL18	07/14/04 DUP	E601	0 of 20	-	-
WELL18	08/11/04	E601	0 of 20	-	-
WELL18	08/11/04 DUP	E601	0 of 20	-	-
WELL18	09/15/04	E601	0 of 20	-	-

Location	Date	Method	Detection frequency	Total Trihalomethanes (μg/L)	cis-1,2-Dichloroethene (μg/L)
WELL18	10/27/04	E601	0 of 20	-	-
WELL18	10/27/04 DUP	E601	0 of 20	-	-
WELL18	11/10/04	E601	0 of 20	-	-
WELL18	11/10/04 DUP	E601	0 of 20	-	-
WELL18	12/09/04	E601	0 of 20	-	-
WELL18	12/09/04 DUP	E601	0 of 20	-	-
WELL20	01/14/04	E502.2	0 of 65	-	-
WELL20	02/11/04	E502.2	0 of 65	-	-
WELL20	03/10/04	E502.2	0 of 65	-	-
WELL20	04/14/04	E502.2	0 of 65	-	-
WELL20	05/12/04	E502.2	0 of 65	-	-
WELL20	06/09/04	E502.2	0 of 65	-	-
WELL20	07/14/04	E601	0 of 20	-	-
WELL20	08/11/04	E502.2	0 of 65	-	-
WELL20	09/15/04	E502.2	0 of 65	-	-
WELL20	10/27/04	E502.2	0 of 65	-	-
WELL20	11/10/04	E502.2	0 of 65	-	-
WELL20	12/09/04	E502.2	0 of 65	-	-

B-15 High Explosive Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-829-1938	02/19/04	3.5	<4
W-829-1938	04/27/04	<0.44	<4
W-829-1938	04/27/04 DUP	<0.44	<4
W-829-1938	08/05/04	-	<4
W-829-1938	11/15/04	-	<4
W-829-1940	08/24/04	73	5.1
GALLO1	01/15/04	<0.44 H	<4 H
GALLO1	02/11/04	<0.44	<4
GALLO1	03/10/04	<0.44	<4
GALLO1	04/14/04	<0.44	<4
GALLO1	05/12/04	<0.44	<4
GALLO1	06/09/04	<0.44	<4
GALLO1	07/19/04	<0.44	<4
GALLO1	08/12/04	<0.44	<4
GALLO1	09/16/04	<0.44	<4
GALLO1	10/29/04	<0.44	<4
GALLO1	11/12/04	<0.44	<4
GALLO1	12/09/04	<0.44	<4
W-35B-01	02/23/04	7.2	<4
W-35B-01	04/20/04	<0.1	<4
W-35B-01	07/12/04	<0.1 L	<4
W-35B-02	02/23/04	8.5	<4
W-35B-02	04/20/04	14	<4
W-35B-02	07/12/04	6.8 L	<4
W-35B-03	02/23/04	4.1	<4
W-35B-03	07/12/04	0.8 L	<4
W-35B-04	02/23/04	2.4	<4
W-35B-04	07/08/04	1.4	<4
W-35B-05	02/23/04	2.9	<4
W-35B-05	07/08/04	1.2	<4
W-35C-01	01/21/04	<0.1	<4
W-35C-02	08/04/04	<0.1	<4
W-35C-04	03/02/04	<0.44	<4 H
W-35C-05	02/05/04	2.2	<4
W-35C-06	07/29/04	4.6	<4
W-35C-07	07/29/04	<0.1	<4
W-35C-08	07/29/04	<0.1	<4
W-4A	08/17/04	0.2	<4
W-4AS	08/17/04	0.6	<4
W-4B	02/05/04	1	<4
W-4C	02/05/04	19	<4
W-6BD	08/17/04	1.1	<4
W-6BS	08/17/04	13	<4
W-6BS	08/17/04 DUP	14 D	<4
W-6CD	08/02/04	0.1	<4
W-6CI	08/02/04	0.5	<4
W-6CS	08/02/04	15	<4
W-6EI	08/16/04	<0.1	<4
W-6ER	08/16/04	<0.1	<4
W-6ES	08/18/04	6.9	<4
W-6F	08/04/04	0.9	<4
W-6G	08/02/04	16	<4
W-6H	01/20/04	<0.1	<4

B-16 High Explosive Process Area OU high explosive compounds in ground and surface water.

Location	Date	Method	HMX (μg/L)	RDX (μg/L)	TNT (μg/L)	PETN (μg/L)
W-829-1938	02/19/04	E8330	<5 O	<5 O	<5	-
W-829-1938	04/27/04	E8330	<5	<5	<5	-
W-829-1938	04/27/04 DUP	E8330	<5	<5	<5	-
W-829-1938	08/05/04	E8330	<5	<5	<5	-
W-829-1938	11/15/04	E8330	<5	<5	<5	-
W-829-1940	08/24/04	E8330	<5	<5	-	-
GALLO1	01/15/04	E8330	<5	<5	-	-
GALLO1	02/11/04	E8330	<5	<5	-	-
GALLO1	03/10/04	E8330	<5	<5	-	-
GALLO1	04/14/04	E8330	<5	<5	-	-
GALLO1	05/12/04	E8330	<5	<5	-	-
GALLO1	06/09/04	E8330	<5	<5	-	-
GALLO1	07/19/04	E8330	<5	<5	-	-
GALLO1	08/12/04	E8330	<5	<5	-	-
GALLO1	09/16/04	E8330	<5	<5	-	-
GALLO1	10/29/04	E8330	<5	<5	-	-
GALLO1	11/12/04	E8330	<5	<5	-	-
GALLO1	12/09/04	E8330	<5	<5	-	-
W-35B-01	02/23/04	E8330	<1	<1	-	-
W-35B-01	04/20/04	E8330	<1	<1	-	-
W-35B-01	07/12/04	E8330	<1	<1	-	-
W-35B-02	02/23/04	E8330	<1	<1	-	-
W-35B-02	04/20/04	E8330	<1	<1	-	-
W-35B-02	07/12/04	E8330	<1	<1	-	-
W-35B-03	02/23/04	E8330	<1	<1	-	-
W-35B-03	07/12/04	E8330	<1	<1	-	-
W-35B-04	02/23/04	E8330	<1	<1	-	-
W-35B-04	07/08/04	E8330	<1	<1	-	-
W-35B-05	02/23/04	E8330	<1	<1	-	-
W-35B-05	07/08/04	E8330	<1	<1	-	-
W-35C-01	01/21/04	E8330	<1	<1	-	-
W-35C-02	08/04/04	E8330	<1	<1	-	-
W-35C-04	03/02/04	E8330	<5	<5	-	-
W-35C-05	02/05/04	E8330	<1	<1	-	-
W-35C-06	07/29/04	E8330	<1	<1	-	-
W-35C-07	07/29/04	E8330	<1	<1	-	-
W-35C-08	07/29/04	E8330	<1	<1	-	-
W-4A	08/17/04	E8330	<1	<1	-	-
W-4AS	08/17/04	E8330	<1	<1	-	-
W-4B	02/05/04	E8330	<1	<1	-	-
W-4C	02/05/04	E8330	<1	<1	-	-
W-6BD	08/17/04	E8330	<1	<1	-	-
W-6BS	08/17/04	E8330	<1	<1	-	-
W-6BS	08/17/04 DUP	E8330	<5	<5	-	-
W-6CD	08/02/04	E8330	<1	<1	-	-
W-6CI	08/02/04	E8330	<1	<1	-	-
W-6CS	08/02/04	E8330	<1	<1	-	-
W-6EI	08/16/04	E8330	<1	<1	-	-
W-6ER	08/16/04	E8330	<1	<1	-	-
W-6ES	08/18/04	E8330	<1	<1	-	-
W-6F	08/04/04	E8330	<1	<1	-	-
W-6G	08/02/04	E8330	<1	<1	-	-
W-6H	01/20/04	E8330	<1	<1	-	-

Location	Date	Method	HMX (μg/L)	RDX (μg/L)	TNT (μg/L)	PETN (μg/L)
W-6H	07/08/04	E8330	<1	<1	-	-
W-6I	01/20/04	E8330	<1	<1	-	-
W-6J	01/20/04	E8330	<1	<1	-	-
W-6J	07/08/04	E8330	<1	<1	-	-
W-6K	02/19/04	E8330	<1	<1	-	-
W-6L	02/19/04	E8330	<1	<1	-	-
W-808-01	02/26/04	E8330	<1	<1	-	-
W-808-03	02/26/04	E8330	<1	<1	-	-
W-809-01	02/11/04	E8330	<1	<1	-	-
W-809-01	02/11/04 DUP	E8330	<1	<1	-	-
W-809-02	02/11/04	E8330	<1	<1	-	-
W-809-03	02/11/04	E8330	<1	<1	-	-
W-810-01	01/20/04	E8330	<1	<1	-	-
W-814-01	08/18/04	E8330	<1	<1	-	-
W-814-02	08/18/04	E8330	<1	3	-	-
W-814-04	08/24/04	E8330	<1	<1	-	-
W-815-05	02/11/04	E8330	<1	<1	-	-
W-815-06	03/02/04	E8330	<1	20	-	-
W-815-07	08/18/04	E8330	<1	1	-	-
W-815-08	04/13/04	E8330	<1	<1	-	-
W-815-08	11/01/04	E8330	<1	<1	-	-
W-817-01	02/17/04	W8330	16.4 DLO	50.1 DLO	<0.486 DLO	<1.95 DLO
W-817-01	05/06/04	W8330	15.3 D	44.8 D	<0.486 D	<1.95 DJ
W-817-01	08/03/04	W8330	12.6 D	34.1 DO	<0.486 D	<1.95 D
W-817-02	02/12/04	E8330	<5	<5	-	-
W-817-02	02/12/04	W8330	<1 D	<0.85 D	<0.486 D	<1.95 D
W-817-02	05/06/04	W8330	<1 D	<0.85 D	<0.486 D	2.69 DJ
W-817-02	05/06/04 DUP	W8330	<1 D	<0.85 D	<0.486 D	<1.95 DJ
W-817-02	06/30/04	W8330	<1 D	<0.85 D	<0.486 D	<1.95 D
W-817-02	08/03/04	W8330	<1 D	<0.85 DO	<0.486 D	15.4 D
W-817-02	10/29/04	W8330	<1 DO	<0.85 DO	<0.486 D	<1.95 DO
W-817-02	10/29/04 DUP	W8330	<1 DO	<0.85 DO	<0.486 D	<1.95 DO
W-817-03	02/18/04	E8330	<5 O	10 O	-	-
W-817-03	02/18/04	W8330	<1 D	8.66 D	<0.486 D	<1.95 D
W-817-03	02/18/04 DUP	E8330	<5 O	9 O	-	-
W-817-03	02/18/04 DUP	W8330	<1 D	11.7 D	<0.486 D	<1.95 D
W-817-03	05/10/04	W8330	<1 D	7.46 D	<0.486 D	<1.95 D
W-817-03	08/04/04	W8330	<1 D	12.7 DO	<0.486 D	<1.95 D
W-817-03	10/29/04	W8330	<1 DO	8.95 DO	<0.486 D	<1.95 DO
W-817-04	02/19/04	W8330	<1 D	7.75 D	<0.486 D	<1.95 D
W-817-04	05/10/04	W8330	<1 D	4.84 D	<0.486 D	<1.95 D
W-817-04	08/04/04	W8330	<1 D	9.98 DO	<0.486 D	<1.95 D
W-817-04	08/04/04 DUP	W8330	<1 D	10.3 DO	<0.486 D	<1.95 D
W-817-04	11/01/04	W8330	<1 O	2.48 O	<0.486 O	<1.95 O
W-817-05	08/09/04	E8330	<1	<1	-	-
W-817-07	02/11/04	E8330	<1	<1	-	-
W-818-01	03/02/04	E8330	<1	<1	-	-
W-818-03	08/18/04	E8330	<1	<1	-	-
W-818-04	03/01/04	E8330	<1	<1	-	-
W-818-06	03/01/04	E8330	<1	<1	-	-
W-818-07	03/01/04	E8330	<1	<1	-	-
W-818-08	03/02/04	E8330	<5	<5	-	-
W-818-08	07/14/04	E8330	<5	<5	-	-

Location	Date	Method	HMX (μg/L)	RDX (μg/L)	TNT (μg/L)	PETN (μg/L)
W-818-09	03/02/04	E8330	<5	<5	-	-
W-818-09	07/14/04	E8330	<5	<5	-	-
W-818-11	03/02/04	E8330	-	19	-	-
W-819-02	08/23/04	E8330	<1	<1	-	-
W-823-01	01/20/04	E8330	<1	<1	-	-
W-823-02	01/20/04	E8330	<1	<1	-	-
W-823-02	01/20/04 DUP	E8330	<1	<1	-	-
W-823-03	01/20/04	E8330	<1	<1	-	-
W-823-13	08/24/04	E8330	<1	<1	-	-
W-827-05	02/24/04	E8330	<5	<5	-	-
W-827-05	06/14/04	E8330	<5	<5	-	-
W-827-05	08/25/04	E8330	<5	<5	-	-
W-829-06	02/18/04	E8330	<5 IJO	<5 IJO	<5 IJ	-
W-829-08	02/18/04	E8330	<5 O	<5 O	<5	-
W-829-15	02/05/04	E8330	<5	<5	<5	-
W-829-15	05/05/04	E8330	<5	<5	<5	-
W-829-15	07/26/04	E8330	<5	<5	<5	-
W-829-15	11/09/04	E8330	<5	<5	<5	-
W-829-15	11/09/04 DUP	E8330	<5	<5	<5	-
W-829-22	02/12/04	E8330	<5	<5	<5	-
W-829-22	02/12/04 DUP	E8330	<5	<5	<5	-
W-829-22	05/04/04	E8330	<5	<5	<5	-
W-829-22	08/03/04	E8330	<5	<5	<5	-
W-829-22	08/03/04 DUP	E8330	<5	<5	<5	-
W-829-22	11/17/04	E8330	<5	<5	<5	-
WELL18	01/14/04	E8330	<5 O	<5 O	-	-
WELL18	02/11/04	E8330	<5	<5	-	-
WELL18	03/10/04	E8330	<5	<5	-	-
WELL18	04/14/04	E8330	<5	<5	-	-
WELL18	05/12/04	E8330	<5	<5	-	-
WELL18	06/09/04	E8330	<5	<5	-	-
WELL18	07/14/04	E8330	<5	<5	-	-
WELL18	08/11/04	E8330	<5	<5	-	-
WELL18	09/15/04	E8330	<5	<5	-	-
WELL18	10/27/04	E8330	<5	<5	-	-
WELL18	11/10/04	E8330	<5	<5	-	-
WELL18	12/09/04	E8330	<5	<5	-	-
WELL20	01/14/04	E8330	<5 O	<5 O	-	-
WELL20	02/11/04	E8330	<5	<5	-	-
WELL20	03/10/04	E8330	<5	<5	-	-
WELL20	04/14/04	E8330	<5	<5	-	-
WELL20	05/12/04	E8330	<5	<5	-	-
WELL20	06/09/04	E8330	<5	<5	-	-
WELL20	07/14/04	E8330	<5	<5	-	-
WELL20	08/11/04	E8330	<5	<5	-	-
WELL20	09/15/04	E8330	<5	<5	-	-
WELL20	10/27/04	E8330	<5	<5	-	-
WELL20	11/10/04	E8330	<5	<5	-	-
WELL20	12/09/04	E8330	<5	<5	-	-

B-16 High Explosive Process Area OU high explosive compounds in ground and surface water. (analytes not listed above).

Location	Date	Method	Detection frequency	2-Amino-4,6-dinitrotoluene (μg/L)	4-Amino-2,6-dinitrotoluene (μg/L)
W-817-01	02/17/04	W8330	1 of 11	-	8.89 DLO
W-817-01	05/06/04	W8330	1 of 11	-	7.72 D
W-817-01	08/03/04	W8330	1 of 11	-	7.57 D
W-817-02	02/12/04	W8330	0 of 11	-	-
W-817-02	05/06/04	W8330	0 of 11	-	-
W-817-02	05/06/04 DUP	W8330	0 of 11	-	-
W-817-02	06/30/04	W8330	0 of 11	-	-
W-817-02	08/03/04	W8330	1 of 11	1.06 D	-
W-817-02	10/29/04	W8330	0 of 11	-	-
W-817-02	10/29/04 DUP	W8330	1 of 11	1.01 D	-
W-817-03	02/18/04	W8330	0 of 11	-	-
W-817-03	02/18/04 DUP	W8330	1 of 11	-	1.07 D
W-817-03	05/10/04	W8330	1 of 11	-	1.05 D
W-817-03	08/04/04	W8330	2 of 11	1.09 D	1.55 D
W-817-03	10/29/04	W8330	0 of 11	-	-
W-817-04	02/19/04	W8330	0 of 11	-	-
W-817-04	05/10/04	W8330	0 of 11	-	-
W-817-04	08/04/04	W8330	1 of 11	-	0.805 D
W-817-04	08/04/04 DUP	W8330	1 of 11	-	0.842 D
W-817-04	11/01/04	W8330	0 of 11	-	-

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-6H	07/08/04	<0.1	<4
W-6I	01/20/04	1.2	<4
W-6J	01/20/04	<0.1	<4
W-6J	07/08/04	<0.1	<4
W-6K	02/19/04	9.1	<4
W-6L	02/19/04	11	<4
W-808-01	02/26/04	110 D	<4
W-808-03	02/26/04	<0.1	<4
W-809-01	02/11/04	<0.1	<4
W-809-01	02/11/04 DUP	<0.1	<4
W-809-02	02/11/04	<0.1	9
W-809-03	02/11/04	<0.1	5
W-810-01	01/20/04	<0.1	<4
W-814-01	08/18/04	58 D	4
W-814-02	08/18/04	87 D	4
W-814-04	08/24/04	0.2	<4
W-815-05	02/11/04	<0.1	5
W-815-06	03/02/04	93 D	6
W-815-07	08/18/04	87 D	5
W-815-08	04/13/04	<0.1 L	<4
W-815-08	11/01/04	<0.1	<4
W-817-01	02/17/04	87.8	21
W-817-01	08/03/04	86.4	23
W-817-02	02/12/04	93 D	28
W-817-03	02/18/04	92.5 D	26 H
W-817-03	02/18/04 DUP	93 D	26 H
W-817-04	02/19/04	89.3 D	23
W-817-05	08/09/04	0.9	<4
W-817-07	02/11/04	<0.1	12
W-818-01	03/02/04	49 D	<4
W-818-03	08/18/04	46 D	<4
W-818-04	03/01/04	<0.1	<4
W-818-06	03/01/04	31 D	<4
W-818-07	03/01/04	4.9	<4
W-818-08	03/02/04	81	9.1
W-818-08	07/14/04	80.9	9
W-818-09	03/02/04	81.8	6.6
W-818-09	07/14/04	76.8	5.9
W-818-11	03/02/04	66 D	5
W-819-02	08/23/04	<0.1	<4
W-823-01	01/20/04	18	<4
W-823-02	01/20/04	<0.1	<4
W-823-02	01/20/04 DUP	<0.1	<4
W-823-03	01/20/04	<0.1	<4
W-823-13	08/24/04	44 D	<4
W-827-05	02/24/04	1.5 D	<4 H
W-827-05	06/14/04	<0.44	<4
W-827-05	08/25/04	<0.88 DE	7.4
W-829-06	12/09/04	122 D	7.6
W-829-08	02/18/04	-	12 H
W-829-08	12/09/04	67.2 D	8.4
W-829-15	02/05/04	<0.44	<4
W-829-15	05/05/04	-	<4 H

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-829-15	07/26/04	-	<4
W-829-15	11/09/04	-	<4
W-829-15	11/09/04 DUP	-	<4
W-829-22	02/12/04	<0.44	<4
W-829-22	02/12/04 DUP	<0.44	<4
W-829-22	05/04/04	-	<4
W-829-22	08/03/04	-	<4
W-829-22	08/03/04 DUP	-	<4
W-829-22	11/17/04	-	<4
WELL18	01/14/04	<0.44	<4 H
WELL18	02/11/04	<0.44	<4
WELL18	03/10/04	<0.44	<4
WELL18	04/14/04	<0.44	<4
WELL18	05/12/04	<0.44	<4
WELL18	06/09/04	<0.44	<4
WELL18	07/14/04	<0.44	<4
WELL18	08/11/04	<0.44	<4
WELL18	09/15/04	<0.44	<4
WELL18	10/27/04	<0.44	<4
WELL18	11/10/04	<0.44	<4
WELL18	12/09/04	<0.44	<4
WELL20	01/14/04	<0.44	<4 H
WELL20	02/11/04	<0.44	<4
WELL20	03/10/04	<0.44	<4
WELL20	04/14/04	<0.44	<4
WELL20	05/12/04	<0.44	<4
WELL20	06/09/04	<0.44	<4
WELL20	07/14/04	<0.44	<4
WELL20	08/11/04	<0.44	<4
WELL20	09/15/04	<0.44	<4
WELL20	10/27/04	<0.44	<4
WELL20	11/10/04	<0.44	<4
WELL20	12/09/04	<0.44	<4

B-17 High Explosive Process Area OU nutrients in ground and surface 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)
W-6H	01/20/04	0.3 H	<0.1	<0.1	<0.1	<0.1	0.2 H
W-6J	01/20/04	<0.1 H	<0.1	<0.1	<0.1	<0.1	<0.2 H

B-18 High Explosive Process Area OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
W-829-1938	02/19/04	<2.23	11.5 ś 2.90	<92.4	-	-	-
W-829-1938	04/27/04	<1.51	12.6 ś 2.40	259 ś 61.0	-	-	-
W-829-1938	04/27/04 DUP	<1.58	10.1 ś 2.10	<88	-	-	-
W-829-1938	08/05/04	<1.78	12.4 ś 3.00	<88.6	-	-	-
W-829-1938	11/15/04	<2.19	9.23 ś 2.20	<83.7	-	-	-
W-829-1940	11/20/04	19.4 ś 5.60	26.8 ś 4.70	<81	-	-	-
GALLO1	01/15/04	<3.15	6.33 ś 1.90	<86.3	-	-	-
GALLO1	05/12/04	<1.99	<1.69 E	<81.8	-	-	-
GALLO1	08/12/04	<3.08	5.85 ś 2.80	<87.5	<0.027	<0.022	<0.018
GALLO1	10/29/04	<1.07	<1.64	<88.1	<0.018	<0.022	<0.018
W-829-15	02/05/04	<1.73	26.7 ś 4.60	<101	-	-	-
W-829-15	05/05/04	<2.19	29.8 ś 5.30	<86.4	-	-	-
W-829-15	07/26/04	<1.69	30.3 ś 4.80	<84.4	-	-	-
W-829-15	11/09/04	<1.9	27.8 ś 4.40	<76.8	-	-	-
W-829-15	11/09/04 DUP	<2.21	26.8 ś 4.30	136 ś 51.0	-	-	-
W-829-22	02/12/04	<1.71	6.39 ś 1.90	<91.1	-	-	-
W-829-22	02/12/04 DUP	<1.44	6.43 ś 1.80	<92.8	-	-	-
W-829-22	05/04/04	<1.96	7.00 ś 1.80	<85	-	-	-
W-829-22	08/03/04	<1.59	10.6 ś 2.00	<92.7	-	-	-
W-829-22	08/03/04 DUP	<2.45 J	10.6 ś 2.90	<90.1	-	-	-
W-829-22	11/08/04	<2.01	7.90 ś 2.20	<78.2	-	-	-
WELL18	01/14/04	<1.62	6.53 ś 1.70	<86.8	-	-	-
WELL20	01/14/04	<1.63	5.65 ś 1.50	<86.4	-	-	-
WELL20	05/12/04	<1.3	6.12 ś 1.50	<83.9	-	-	-
WELL20	08/11/04	<1.51	9.81 ś 2.00	<97.9	-	-	-
WELL20	10/27/04	<1.84	6.26 ś 1.90	<89.9	-	-	-

B-19 Building 850 OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
K1-01C	02/04/04	563 ś 91.0
K1-01C	05/19/04	593 ś 91.0
K1-01C	07/21/04	493 ś 78.0
K1-01C	11/22/04	601 ś 86.0
K1-02B	01/28/04	4,060 ś 420
K1-02B	05/19/04	4,110 ś 430
K1-02B	05/19/04 DUP	4,100 ś 420
K1-02B	07/20/04	3,960 ś 410
K1-02B	11/22/04	4,010 ś 420
K1-03	01/28/04	716 ś 99.0
K1-03	01/28/04 DUP	698 ś 97.0
K1-03	05/20/04	777 ś 110
K1-03	07/19/04	663 ś 92.0
K1-03	11/30/04	803 ś 110
K1-04	01/29/04	156 ś 62.0
K1-04	05/11/04	<84.9
K1-04	07/19/04	<90.7
K1-04	11/30/04	133 ś 60.0
K1-05	01/29/04	156 ś 60.0
K1-05	07/13/04	<94.4
K1-05	07/13/04 DUP	143 ś 60.0
K1-05	12/01/04	<91.6 E
K1-06	06/07/04	4,220 ś 430
K1-06	12/03/04	3,850 ś 400
K1-07	02/04/04	<98.3
K1-07	05/10/04	<82.8
K1-07	07/21/04	<88.9
K1-07	12/02/04	<92.1
K1-08	02/04/04	197 ś 66.0
K1-08	05/11/04	209 ś 61.0
K1-08	07/21/04	164 ś 58.0
K1-08	12/02/04	148 ś 58.0
K1-09	02/04/04	152 ś 65.0
K1-09	05/11/04	138 ś 59.0
K1-09	07/20/04	<88.6
K1-09	12/06/04	165 ś 57.0
K1-09	12/06/04 DUP	131 ś 57.0
K2-03	06/07/04	<88
K2-03	11/13/04	<76
K2-04D	05/20/04	6,370 ś 650
K2-04D	11/18/04	5,300 ś 540
K2-04S	05/24/04	13,400 ś 1,400
K2-04S	11/18/04	14,000 ś 1,400
NC2-05	05/11/04	127 ś 52.0
NC2-05	11/13/04	<78
NC2-05A	05/11/04	4,560 ś 470
NC2-05A	05/11/04 DUP	4,720 ś 480
NC2-05A	11/13/04	4,720 ś 490
NC2-06	05/24/04	3,710 ś 380
NC2-06	11/06/04	4,170 ś 430
NC2-06A	05/24/04	108 ś 55.0
NC2-06A	11/06/04	<94.7
NC2-09	05/11/04	105 ś 51.0

Location	Date	Tritium (pCi/L)
NC2-09	11/13/04	140 § 51.0
NC2-10	05/12/04	363 § 68.0
NC2-10	11/20/04	271 § 60.0
NC2-11D	04/22/04	4,530 § 460
NC2-11D	04/22/04 DUP	4,350 § 450
NC2-11D	11/16/04	4,630 § 470
NC2-11I	05/12/04	4,580 § 470
NC2-11I	11/13/04	4,730 § 490
NC2-11S	05/12/04	5,080 § 520
NC2-11S	11/13/04	4,940 § 510
NC2-12D	04/22/04	7,540 § 770
NC2-12D	11/18/04	7,510 § 760
NC2-12I	05/12/04	7,780 § 790
NC2-12I	11/13/04	7,330 § 750
NC2-12S	05/12/04	4,360 § 450
NC2-12S	11/13/04	4,380 § 450
NC2-13	06/01/04	5,780 § 590
NC2-13	11/13/04	5,570 § 570
NC2-13	11/13/04 DUP	5,370 § 261
NC2-14S	06/02/04	10,100 § 1,000
NC2-14S	10/30/04	5,290 § 540
NC2-15	06/02/04	6,520 § 660
NC2-15	11/02/04	6,500 § 660
NC2-16	06/02/04	2,550 § 270
NC2-16	11/06/04	1,540 § 170
NC2-16	11/06/04 DUP	1,360 § 153
NC2-17	06/02/04	13,800 § 1,400
NC2-17	11/06/04	13,600 § 1,400
NC2-17	11/06/04 DUP	11,600 § 355
NC2-18	06/02/04	20,600 § 2,100
NC2-18	06/02/04 DUP	20,700 § 2,100
NC2-18	11/06/04	19,900 § 2,000
NC2-18	11/06/04 DUP	20,500 § 2,100
NC2-19	06/02/04	<87.1
NC2-19	11/06/04	<95
NC2-20	06/02/04	<86
NC2-20	11/06/04	<94.1
NC2-21	06/02/04	<86.8
NC2-21	11/06/04	<92.8
NC7-10	05/19/04	33,200 § 3,300
NC7-10	10/30/04	23,900 § 2,400
NC7-10	10/30/04 DUP	21,300 § 981
NC7-11	05/11/04	26,000 § 2,600
NC7-11	10/30/04	25,800 § 2,600
NC7-15	06/01/04	1,550 § 170
NC7-15	10/30/04	1,780 § 200
NC7-19	05/11/04	8,200 § 830
NC7-19	05/11/04 DUP	8,450 § 850
NC7-19	10/30/04	7,820 § 790
NC7-27	05/20/04	15,300 § 1,500
NC7-27	05/20/04 DUP	15,000 § 1,500
NC7-27	11/02/04	16,100 § 1,600
NC7-28	05/20/04	29,100 § 2,900

Location	Date	Tritium (pCi/L)
NC7-28	11/20/04	26,300 ś 2,600
NC7-29	05/19/04	<81.2
NC7-29	11/20/04	<81.7
NC7-43	05/18/04	28,800 ś 2,900
NC7-43	05/18/04 DUP	28,700 ś 2,900
NC7-43	11/02/04	17,800 ś 1,800
NC7-44	05/18/04	<79.8
NC7-44	11/02/04	<90
NC7-46	05/17/04	103 ś 58.0
NC7-46	11/06/04	<82.1
NC7-54	05/11/04	29,000 ś 2,900
NC7-54	10/30/04	26,600 ś 2,700
NC7-56	05/17/04	16,900 ś 1,700
NC7-56	11/06/04	18,500 ś 1,900
NC7-58	05/17/04	14,200 ś 1,400
NC7-58	11/06/04	15,400 ś 1,600
NC7-59	05/18/04	17,200 ś 1,700
NC7-59	11/06/04	18,200 ś 1,800
NC7-59	11/06/04 DUP	16,000 ś 409
NC7-60	05/19/04	1,650 ś 180
NC7-60	11/20/04	1,590 ś 180
NC7-61	04/26/04	41,100 ś 4,100
NC7-61	12/01/04	34,500 ś 3,500
NC7-62	05/24/04	17,400 ś 1,700
NC7-62	11/20/04	18,500 ś 1,900
NC7-69	04/21/04	<80.6
NC7-69	12/01/04	<86
NC7-70	05/20/04	49,200 ś 4,900
NC7-70	10/30/04	58,800 ś 5,900
NC7-71	05/18/04	307 ś 61.0
NC7-71	10/30/04	255 ś 62.0
NC7-72	05/18/04	16,700 ś 1,700
NC7-72	11/06/04	16,800 ś 1,700
NC7-73	05/18/04	18,800 ś 1,900
NC7-73	11/06/04	19,200 ś 1,900
NC7-76	05/11/04	8,310 ś 840
NC7-76	11/13/04	8,240 ś 840
W-850-05	05/18/04	19,300 ś 1,900
W-850-05	11/20/04	23,500 ś 2,400
W-PIT7-16	03/09/04	<80.5
W-PIT7-16	06/14/04	<94.8
W-PIT7-16	06/14/04 DUP	<91.6
W-PIT7-16	09/13/04	<101
W-PIT7-16	10/30/04	<88.1
W-865-1802	03/01/04	<96.7
W-865-1802	06/09/04	<89.1
W-865-1802	09/09/04	215 ś 61.0
W-865-1802	11/17/04	101 ś 51.0
W-865-1803	03/03/04	1,710 ś 190
W-865-1803	06/08/04	1,830 ś 200
W-865-1803	11/03/04	2,040 ś 220
SPRING24	03/01/04	2,070 ś 220
SPRING24	06/08/04	2,360 ś 250

Location	Date	Tritium (pCi/L)
SPRING24	11/20/04	2,300 ś 240
W8SPRNG	06/10/04	32,300 ś 3,200
W8SPRNG	11/20/04	26,100 ś 2,600

B-20 Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
K1-01C	02/04/04	37.5	<4
K1-01C	05/19/04	37.5	<4
K1-01C	07/21/04	36.3	<4
K1-01C	11/22/04	36.5	<4 E
K1-02B	01/28/04	36.1	6.6
K1-02B	05/19/04	35.6	5.8
K1-02B	05/19/04 DUP	35.6	5.8
K1-02B	07/20/04	35.9	6.1
K1-02B	11/22/04	36.9	6.7
K1-03	01/28/04	32.2	<4
K1-03	01/28/04 DUP	32	<4
K1-03	05/20/04	32.1	<4
K1-03	07/19/04	30.3	<4
K1-03	11/30/04	31.3	<4 E
K1-04	01/29/04	34	<4
K1-04	05/11/04	34.9	<4
K1-04	07/19/04	34.7	<4
K1-04	11/30/04	35	<4 E
K1-05	01/29/04	38.3	<4
K1-05	05/10/04	36.6	<4
K1-05	07/13/04	37.4	<4
K1-05	07/13/04 DUP	37.1	<4
K1-05	12/01/04	36.8	<4
K1-07	02/04/04	29.5	<4
K1-07	05/10/04	30.2	<4
K1-07	07/21/04	34.2	<4
K1-07	12/02/04	31.2	<4
K1-08	02/03/04	38.5	<4
K1-08	05/11/04	38	<4
K1-08	07/21/04	37.6	<4
K1-08	12/02/04	37.3	<4
K1-09	02/03/04	38.6	<4
K1-09	05/11/04	37.9	<4
K1-09	07/20/04	37.7	<4
K1-09	12/06/04	37	<4
K1-09	12/06/04 DUP	37	<4
K2-03	06/07/04	5 H	-
K2-04D	05/20/04	39.7	4.8
K2-04D	11/18/04	-	5.6
K2-04S	05/24/04	38.3	9.2
K2-04S	11/18/04	-	13
NC2-05	05/11/04	21	<4
NC2-05A	05/11/04	34 D	<4
NC2-05A	05/11/04 DUP	34 D	<4
NC2-06	05/24/04	22 DL	<4
NC2-06A	05/24/04	0.3 L	<4
NC2-09	05/11/04	<0.1	-
NC2-10	05/12/04	110 D	-
NC2-11D	04/22/04	31.5	<4
NC2-11D	04/22/04 DUP	31.1	<4
NC2-11D	11/16/04	-	4.1
NC2-11I	05/12/04	33 D	-
NC2-11S	05/12/04	24 D	-

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
NC2-12D	04/22/04	24.9	4
NC2-12D	11/18/04	-	4.3
NC2-12I	05/12/04	2.8	-
NC2-12S	05/12/04	89 D	-
NC2-13	06/01/04	41 D	-
NC2-14S	06/02/04	26 D	6
NC2-15	06/02/04	31 D	-
NC2-16	06/02/04	7.2	<4
NC2-17	06/02/04	16 D	-
NC2-18	06/02/04	37 D	11
NC2-18	06/02/04 DUP	35 D	12
NC2-19	06/02/04	70 D	-
NC2-20	06/02/04	31 D	-
NC2-21	06/02/04	24	-
NC7-10	05/19/04	29 DL	18
NC7-11	05/11/04	68 D	-
NC7-11	05/11/04 DUP	-	16
NC7-15	06/01/04	38 D	<4
NC7-19	05/11/04	26	<4
NC7-19	05/11/04 DUP	27 D	<4
NC7-27	05/20/04	45 DL	12
NC7-27	05/20/04 DUP	51 DL	13
NC7-28	05/20/04	28 DL	25
NC7-29	05/19/04	48 DL	8
NC7-43	05/18/04	22 L	12
NC7-43	05/18/04 DUP	20 DL	11
NC7-44	05/18/04	36 DL	<4
NC7-46	05/17/04	<0.1	-
NC7-46	05/17/04 DUP	-	<4
NC7-54	05/11/04	55 D	-
NC7-54	05/11/04 DUP	-	17
NC7-56	05/17/04	20 D	-
NC7-56	05/17/04 DUP	-	10
NC7-58	05/17/04	21 D	-
NC7-58	05/17/04 DUP	-	9
NC7-59	05/18/04	16 L	9
NC7-60	05/19/04	<0.1 L	<4
NC7-61	04/26/04	-	32
NC7-61	12/01/04	-	30
NC7-61	12/28/04	37	-
NC7-62	05/24/04	24 DL	10
NC7-69	04/21/04	<0.44	<4
NC7-70	05/20/04	51 DL	54
NC7-71	05/18/04	<0.1 L	-
NC7-72	05/18/04	21 DL	10
NC7-73	05/18/04	20 DL	9
NC7-76	05/11/04	21	-
W-850-05	05/18/04	<0.1 L	<4
W-PIT7-16	12/28/04	<0.44	-
W-865-1802	03/01/04	-	<4
W-865-1802	06/09/04	5.9	<4
W-865-1802	09/09/04	-	<4
W-865-1802	11/17/04	-	<4

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-865-1803	03/03/04	-	<4
W-865-1803	06/08/04	7.2	<4
W-865-1803	09/02/04	-	<4
W-865-1803	11/03/04	-	<4
SPRING24	06/08/04	5.6	-
W8SPRNG	06/10/04	65.5	25

B-21 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 (-)
K1-01C	02/04/04	<0.0001	3.47 ± 0.0296	2.36 ± 0.0300	0.0495 ± 0.000242	<0.00015	1.06 ± 0.0000120	0.00725 ± 0.0000350
K1-01C	07/21/04	<0.0004 E	3.83 ± 0.189	2.60 ± 0.186	0.0550 ± 0.00200	<0.0001	1.17 ± 0.0360	0.00725 ± 0.000147
K1-02B	01/28/04	<0.0001	2.90 ± 0.0419	1.87 ± 0.0420	0.0458 ± 0.000140	<0.00016	0.983 ± 0.00000700	0.00724 ± 0.0000220
K1-02B	07/20/04	<0.0004 E	3.20 ± 0.183	2.05 ± 0.179	0.0500 ± 0.00200	<0.0002	1.10 ± 0.0420	0.00703 ± 0.000136
K1-03	01/28/04	<0.0001	1.63 ± 0.0258	1.07 ± 0.0260	0.0248 ± 0.0000620	<0.00015	0.533 ± 0.00000600	0.00724 ± 0.0000180
K1-03	07/19/04	<0.0004 E	1.75 ± 0.0660	1.14 ± 0.0640	0.0270 ± 0.00100	<0.0001	0.578 ± 0.0180	0.00736 ± 0.000177
K1-04	01/29/04	<0.0001	1.46 ± 0.0239	0.960 ± 0.0240	0.0223 ± 0.0000850	<0.00025	0.479 ± 0.00000900	0.00724 ± 0.0000270
K1-04	07/19/04	<0.0004 E	1.97 ± 0.0910	1.27 ± 0.0880	0.0310 ± 0.00100	<0.0001	0.664 ± 0.0230	0.00729 ± 0.000190
K1-05	01/29/04	<0.0001	2.35 ± 0.0723	1.54 ± 0.0720	0.0360 ± 0.000256	<0.0007	0.773 ± 0.0000170	0.00723 ± 0.0000520
K1-05	07/13/04	<0.0004 E	2.52 ± 0.125	1.67 ± 0.122	0.0390 ± 0.00100	<0.0002	0.813 ± 0.0240	0.00747 ± 0.000157
K1-07	02/04/04	<0.0001	2.40 ± 0.0937	1.64 ± 0.0940	0.0341 ± 0.000263	<0.00133	0.728 ± 0.0000190	0.00729 ± 0.0000560
K1-07	07/21/04	<0.0004 E	2.75 ± 0.0820	1.85 ± 0.0810	0.0400 ± 0	<0.00003	0.854 ± 0.00800	0.00725 ± 0.0000460
K1-08	02/03/04	<0.0001	2.78 ± 0.0790	1.91 ± 0.0790	0.0389 ± 0.000302	<0.0011	0.831 ± 0.0000190	0.00728 ± 0.0000570
K1-08	07/21/04	<0.0004 E	3.13 ± 0.106	2.13 ± 0.102	0.0450 ± 0.00200	<0.00004	0.961 ± 0.0280	0.00725 ± 0.000189
K1-09	02/03/04	<0.0001	2.44 ± 0.183	1.67 ± 0.183	0.0344 ± 0.000256	<0.00166	0.743 ± 0.0000180	0.00722 ± 0.0000540
K1-09	07/20/04	<0.0004 E	2.69 ± 0.143	1.80 ± 0.139	0.0400 ± 0.00200	<0.0002	0.853 ± 0.0340	0.00724 ± 0.000177
K2-03	06/07/04	<0.0004	7.58 ± 0.430	3.95 ± 0.430	0.158 ± 0.00128	<0.004	3.47 ± 0.0000190	0.00708 ± 0.0000570
K2-04D	05/20/04	<0.0004 E	1.12 ± 0.000458	<0.466	0.0498 ± 0.000458	<0.00453	1.07 ± 0.0000220	0.00722 ± 0.0000660
K2-04S	05/24/04	<0.0004 E	1.45 ± 0.000642	<0.484	0.0630 ± 0.000641	<0.00425	1.38 ± 0.0000240	0.00708 ± 0.0000720
NC2-05	05/11/04	<0.0004 E	14.2 ± 0.410	7.34 ± 0.410	0.268 ± 0.00145	<0.00402	6.63 ± 0.0000110	0.00629 ± 0.0000340
NC2-05A	05/11/04	<0.0004	4.78 ± 0.120	2.91 ± 0.120	0.0816 ± 0.000409	<0.001	1.80 ± 0.0000120	0.00707 ± 0.0000350
NC2-05A	05/11/04 DUP	<0.0004 E	4.65 ± 0.140	2.79 ± 0.130	0.0812 ± 0.000900	<0.0008	1.78 ± 0.0160	0.00710 ± 0.0000460
NC2-06	05/24/04	0.000499 ± 0.0000199	3.06 ± 0.164	1.84 ± 0.164	0.0540 ± 0.00100	<0.0003	1.17 ± 0.0130	0.00723 ± 0.0000700
NC2-06A	05/24/04	<0.0004 E	1.17 ± 0.0540	0.582 ± 0.0480	0.0170 ± 0.00100	<0.007 E	0.569 ± 0.0250	0.00466 ± 0.000203
NC2-06A	11/06/04	<0.0004 E	1.11 ± 0.0300	0.550 ± 0.0300	0.0163 ± 0.000200	<0.007 E	0.535 ± 0.00300	0.00473 ± 0.0000500
NC2-09	05/11/04	<0.0004	<0.0627	<0.083	0.00172 ± 0.0000440	<0.00033	0.0371 ± 0.0000610	0.00720 ± 0.000182
NC2-10	05/12/04	<0.0004	5.49 ± 0.189	3.62 ± 0.189	0.0836 ± 0.000648	<0.00094	1.79 ± 0.0000190	0.00726 ± 0.0000560
NC2-11D	04/22/04	<0.0004	5.06 ± 0.0884	3.10 ± 0.0880	0.0870 ± 0.000397	<0.00047	1.87 ± 0.0000110	0.00723 ± 0.0000330
NC2-11I	05/12/04	<0.0004 E	3.36 ± 0.212	1.70 ± 0.212	0.0723 ± 0.000593	<0.00273	1.58 ± 0.0000200	0.00710 ± 0.0000580
NC2-11S	05/12/04	<0.0004 E	1.44 ± 0.000634	<1.568	0.0631 ± 0.000634	<0.00424	1.38 ± 0.0000240	0.00712 ± 0.0000710
NC2-12D	04/22/04	<0.0004	3.68 ± 0.114	2.21 ± 0.114	0.0653 ± 0.000336	<0.00063	1.40 ± 0.0000130	0.00724 ± 0.0000370
NC2-12I	05/12/04	<0.0004 E	3.26 ± 0.129	1.87 ± 0.129	0.0605 ± 0.000391	<0.00154	1.33 ± 0.0000150	0.00705 ± 0.0000460
NC2-12S	05/12/04	<0.0004 E	4.97 ± 0.118	2.97 ± 0.118	0.0873 ± 0.000526	<0.0011	1.91 ± 0.0000140	0.00709 ± 0.0000430
NC2-13	06/01/04	0.00110 ± 0.0000461	4.87 ± 0.465	2.79 ± 0.465	0.0930 ± 0.00200	<0.0003	1.99 ± 0.0220	0.00727 ± 0.0000870
NC2-14S	06/02/04	<0.0004 E	3.07 ± 0.0470	1.72 ± 0.0450	0.0590 ± 0.00100	<0.0003	1.29 ± 0.0140	0.00713 ± 0.0000490
NC2-15	06/02/04	0.000581 ± 0.0000301	2.59 ± 0.203	1.50 ± 0.203	0.0490 ± 0.00100	<0.0002	1.05 ± 0.0140	0.00723 ± 0.0000930
NC2-16	06/02/04	<0.0004 E	0.460 ± 0.00700	<0.696	0.0200 ± 0	<0.0004	0.439 ± 0.00700	0.00725 ± 0.0000900
NC2-17	06/02/04	0.000688 ± 0.0000349	3.63 ± 0.251	2.04 ± 0.250	0.0700 ± 0.00100	<0.0004	1.51 ± 0.0180	0.00719 ± 0.0000660
NC2-18	06/02/04	0.000444 ± 0.0000217	3.15 ± 0.306	1.63 ± 0.306	0.0680 ± 0.00100	<0.0009	1.46 ± 0.0180	0.00727 ± 0.0000910
NC2-18	06/02/04 DUP	<0.0004 E	3.53 ± 0.0910	1.97 ± 0.0870	0.0690 ± 0.00200	<0.0001	1.49 ± 0.0260	0.00720 ± 0.000106
NC2-19	06/02/04	<0.0004	6.97 ± 0.406	3.75 ± 0.406	0.141 ± 0.00130	<0.00474	3.09 ± 0.0000220	0.00712 ± 0.0000660
NC2-20	06/02/04	0.000577 ± 0.0000378	4.96 ± 0.300	2.65 ± 0.299	0.103 ± 0.00200	<0.0008	2.21 ± 0.0240	0.00728 ± 0.0000910
NC2-21	06/02/04	<0.0004 E	3.91 ± 0.0980	2.28 ± 0.0930	0.0720 ± 0.00200	<0.0001	1.56 ± 0.0310	0.00722 ± 0.000124
NC7-10	05/19/04	0.000748 ± 0.0000399	2.69 ± 0.208	1.47 ± 0.207	0.0510 ± 0.00100	<0.0008	1.17 ± 0.0150	0.00672 ± 0.0000850
NC7-11	05/11/04	<0.0004	3.23 ± 0.0816	1.83 ± 0.0820	0.0616 ± 0.000365	<0.00059	1.34 ± 0.0000140	0.00716 ± 0.0000420
NC7-15	06/01/04	0.000733 ± 0.0000433	2.28 ± 0.0900	1.21 ± 0.0820	0.0480 ± 0.00200	<0.0001	1.03 ± 0.0360	0.00720 ± 0.000237
NC7-19	05/11/04	<0.0004	4.30 ± 0.0980	2.29 ± 0.0980	0.0889 ± 0.000608	<0.00077	1.92 ± 0.0000170	0.00722 ± 0.0000490
NC7-19	05/11/04 DUP	<0.0004 E	3.88 ± 0.142	1.76 ± 0.142	0.0914 ± 0.000637	<0.00156	2.03 ± 0.0000160	0.00699 ± 0.0000490
NC7-27	05/20/04	<0.0004 E	3.34 ± 0.0740	1.85 ± 0.0740	0.0660 ± 0.00100	<0.0001	1.42 ± 0.0100	0.00724 ± 0.0000560
NC7-27	05/20/04 DUP	0.000413 ± 0.0000228	3.27 ± 0.216	1.74 ± 0.215	0.0680 ± 0.00100	<0.0002	1.47 ± 0.0160	0.00721 ± 0.0000750
NC7-28	05/20/04	<0.0004 E	9.07 ± 0.00165	<1.73	0.136 ± 0.00165	<0.01845	8.93 ± 0.0000100	0.00237 ± 0.0000290
NC7-29	05/19/04	<0.0004 E	6.71 ± 0.00357	<2.599	0.294 ± 0.00357	<0.02586	6.41 ± 0.0000290	0.00714 ± 0.0000860
NC7-43	05/18/04	<0.0004 E	2.12 ± 0.119	0.651 ± 0.119	0.0373 ± 0.000278	<0.00173	1.43 ± 0.0000100	0.00406 ± 0.0000300

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 (-)
NC7-43	05/18/04 DUP	<0.0004 E	1.46 ± 0.000437	<0.519	0.0370 ± 0.000437	<0.00525	1.42 ± 0.0000160	0.00404 ± 0.0000480
NC7-44	05/18/04	<0.0004 E	0.592 ± 0.000373	<0.677	0.0254 ± 0.000371	<0.00685	0.567 ± 0.0000340	0.00697 ± 0.000102
NC7-46	05/17/04	<0.0004 E	<0.0627 E	<0.107	0.00155 ± 0.0000460	<0.00108	0.0362 ± 0.0000660	0.00668 ± 0.000197
NC7-54	05/11/04	0.000504 ± 0.0000319	1.76 ± 0.000695	<1.128	0.0640 ± 0.000695	<0.01111	1.70 ± 0.0000210	0.00586 ± 0.0000640
NC7-54	10/30/04	<0.0004 E	4.00 ± 0.211	1.99 ± 0.209	0.0760 ± 0.00100	<0.007 E	1.94 ± 0.0260	0.00609 ± 0.0000660
NC7-56	05/17/04	0.00100 ± 0.0000679	4.11 ± 0.197	1.98 ± 0.197	0.0923 ± 0.000876	<0.002	2.04 ± 0.0000220	0.00703 ± 0.0000670
NC7-58	05/17/04	0.000499 ± 0.0000318	1.76 ± 0.000872	<0.855	0.0764 ± 0.000872	<0.00809	1.69 ± 0.0000270	0.00704 ± 0.0000800
NC7-59	05/18/04	<0.0004 E	3.15 ± 0.261	1.26 ± 0.261	0.0805 ± 0.000404	<0.00381	1.81 ± 0.0000120	0.00694 ± 0.0000350
NC7-60	05/19/04	<0.0004 E	0.437 ± 0.000287	<0.331	0.0192 ± 0.000285	<0.00321	0.418 ± 0.0000360	0.00715 ± 0.000106
NC7-61	04/26/04	<0.0004	4.66 ± 0.0590	2.18 ± 0.0590	0.0668 ± 0.000300	0.00751 ± 0.0000200	2.40 ± 0.00000700	0.00433 ± 0.0000190
NC7-62	05/24/04	<0.0004	3.07 ± 0.268	1.34 ± 0.268	0.0758 ± 0.000851	<0.00352	1.66 ± 0.0000270	0.00710 ± 0.0000800
NC7-69	04/21/04	<0.0004	<0.0627	<0.075	<0.000655	<0.00074	0.0125 ± 0.00273	<0.008132
NC7-70	03/03/04	<0.0001	2.33 ± 0.131	1.41 ± 0.131	0.0340 ± 0.000341	<0.00206	0.891 ± 0.0000200	0.00593 ± 0.0000600
NC7-70	05/20/04	<0.0004 E	2.46 ± 0.121	1.50 ± 0.119	0.0340 ± 0.00100	<0.007 E	0.921 ± 0.0230	0.00566 ± 0.000131
NC7-70	08/31/04	<0.0004 E	2.56 ± 0.0680	1.53 ± 0.0670	0.0360 ± 0	<0.007 E	0.988 ± 0.00900	0.00565 ± 0.0000350
NC7-70	10/30/04	<0.0004 E	2.39 ± 0.111	1.47 ± 0.111	0.0330 ± 0.00100	<0.007 E	0.888 ± 0.0100	0.00586 ± 0.0000760
NC7-71	05/18/04	<0.0004 E	<0.0627 E	<0.319	<0.000117	<0.00329	0.0104 ± 0.000587	<0.001748
NC7-72	05/18/04	0.00176 ± 0.0000565	1.78 ± 0.000732	<0.442	0.0753 ± 0.000732	<0.00427	1.71 ± 0.0000220	0.00685 ± 0.0000670
NC7-73	05/18/04	0.000591 ± 0.0000154	2.14 ± 0.000887	<0.579	0.0919 ± 0.000887	<0.00552	2.05 ± 0.0000230	0.00697 ± 0.0000670
NC7-76	05/11/04	<0.0004	4.11 ± 0.106	2.11 ± 0.106	0.0877 ± 0.000400	<0.0008	1.91 ± 0.0000110	0.00715 ± 0.0000330
W-850-05	05/18/04	<0.0004 E	<0.0627 E	<0.281	<0.001847	<0.0029	0.0514 ± 0.00188	<0.005592
W-PIT7-16	12/28/04	<0.0004 E	0.298 ± 0.00800	0.200 ± 0.00800	0.00400 ± 0.0000300	<0.00002	0.0930 ± 0.000300	0.00705 ± 0.0000510
W-865-1802	03/01/04	0.000193 ± 0.0000105	1.61 ± 0.156	1.10 ± 0.156	0.0225 ± 0.000316	<0.00228	0.495 ± 0.0000330	0.00707 ± 0.0000990
W-865-1802	06/09/04	<0.0004 E	1.63 ± 0.0600	1.09 ± 0.0590	0.0240 ± 0	<0.0001	0.519 ± 0.00600	0.00723 ± 0.0000650
W-865-1803	03/03/04	0.000113 ± 0.00000730	2.93 ± 0.269	1.89 ± 0.269	0.0463 ± 0.000704	<0.00241	0.996 ± 0.0000370	0.00723 ± 0.000110
W-865-1803	06/08/04	0.00181 ± 0.0000784	3.08 ± 0.0870	1.97 ± 0.0820	0.0490 ± 0.00200	<0.0001	1.05 ± 0.0270	0.00720 ± 0.000167

B-22 Building 850 OU uranium and thorium isotopes by alpha spectrometry in ground and surface water.

Location	Date	Thorium 228 (pCi/L)	Thorium 230 (pCi/L)	Thorium 232 (pCi/L)	Total Uranium (pCi/L)
K1-01C	02/04/04	<0.098	<0.113	<0.06	3.33 ś 0.270
K1-01C	05/19/04	<0.031	<0.104	<0.031	3.42 ś 0.280
K1-01C	07/21/04	<0.028	<0.096	<0.028	3.35 ś 0.270
K1-01C	11/22/04	<0.045	<0.105	<0.026	3.34 ś 0.280
K1-02B	01/28/04	<0.025	<0.102	<0.031	2.77 ś 0.220
K1-02B	05/19/04	<0.027	<0.101	<0.034	2.92 ś 0.230
K1-02B	05/19/04 DUP	<0.035	<0.1	<0.03	2.83 ś 0.220
K1-02B	07/20/04	<0.027	<0.095	<0.034	2.74 ś 0.210
K1-02B	11/22/04	<0.04	<0.102	<0.035	3.09 ś 0.250
K1-03	01/28/04	<0.039	<0.108	<0.039	-
K1-03	01/28/04 DUP	<0.032	<0.105	<0.032	-
K1-03	05/20/04	<0.03	<0.098	<0.03	-
K1-03	07/19/04	<0.04	<0.11	<0.032	-
K1-03	11/30/04	<0.055	<0.126	<0.055	-
K1-04	01/29/04	<0.036	<0.104	<0.036	-
K1-04	05/11/04	<0.054	<0.129	<0.054	-
K1-04	07/19/04	<0.051	<0.103	<0.029	-
K1-04	11/30/04	<0.039	<0.1	<0.025	-
K1-05	01/29/04	<0.037	<0.107	<0.035	-
K1-05	05/10/04	<0.036	<0.095	<0.035	-
K1-05	07/13/04	<0.046	<0.106	<0.033	-
K1-05	07/13/04 DUP	<0.047	<0.111	<0.027	-
K1-05	12/01/04	<0.027	<0.1	<0.034	-
K1-07	02/04/04	<0.062	<0.099	<0.062	-
K1-07	05/10/04	<0.058	<0.133	<0.057	-
K1-07	07/21/04	<0.039	<0.108	<0.039	-
K1-07	12/02/04	<0.037	<0.104	<0.032	-
K1-08	02/04/04	<0.025	<0.099	<0.026	-
K1-08	05/11/04	<0.07	<0.13	<0.056	-
K1-08	07/21/04	<0.042	<0.104	<0.029	-
K1-08	12/02/04	<0.036	<0.102	<0.036	-
K1-09	02/04/04	<0.022	<0.092	<0.024	-
K1-09	05/11/04	<0.119	<0.166	<0.095	-
K1-09	07/20/04	<0.041	<0.098	<0.036	-
K1-09	12/06/04	<0.037	<0.108	<0.029	-
K1-09	12/06/04 DUP	<0.04	<0.103	<0.025	-

B-23 Building 850 OU high explosive compounds in ground and surface water.

Location	Date	HMX (μg/L)	RDX (μg/L)
K1-01C	02/04/04	<5	<5
K1-01C	05/19/04	<5	<5
K1-01C	07/21/04	<5 IJ	<5 IJ
K1-01C	11/22/04	<5	<5
K1-02B	01/28/04	<5	<5
K1-02B	05/19/04	<5	<5
K1-02B	05/19/04 DUP	<5	<5
K1-02B	07/20/04	30	<5
K1-02B	08/18/04	<5	<5
K1-02B	08/25/04	<5	<5
K1-02B	11/22/04	<5	<5
K1-03	01/28/04	<5	<5
K1-03	01/28/04 DUP	<5	<5
K1-03	05/20/04	<5	<5
K1-03	07/19/04	<5	<5
K1-03	11/30/04	<5	<5
K1-04	01/29/04	<5	<5
K1-04	05/11/04	<5	<5
K1-04	07/19/04	<5	<5
K1-04	11/30/04	<5	<5
K1-05	01/29/04	<5	<5
K1-05	05/10/04	<5	<5
K1-05	07/13/04	<5	<5
K1-05	07/13/04 DUP	<5	<5
K1-05	12/01/04	<5	<5
K1-07	02/04/04	<5	<5
K1-07	05/10/04	<5	<5
K1-07	07/21/04	<5 IJ	<5 IJ
K1-07	12/02/04	<5	<5
K1-08	02/03/04	<5	<5
K1-08	05/11/04	<5	<5
K1-08	07/21/04	<5	<5
K1-08	12/02/04	<5	<5
K1-09	02/03/04	<5	<5
K1-09	05/11/04	<5	<5
K1-09	07/20/04	<5	<5
K1-09	12/06/04	<5	<5
K1-09	12/06/04 DUP	<5	<5
K2-04D	05/20/04	<5	<5
K2-04D	11/18/04	<5	<5
K2-04S	05/24/04	<5	<5
K2-04S	11/18/04	<5	<5
NC2-11D	04/22/04	<5	<5
NC2-11D	04/22/04 DUP	<5	<5
NC2-11D	11/16/04	<5	<5
NC2-12D	04/22/04	<5	<5
NC2-12D	11/18/04	<5	<5
NC7-61	04/26/04	<5	<5
NC7-61	12/01/04	<5	<5
NC7-69	04/21/04	<5	<5
NC7-69	12/01/04	5.7	5.2
W-865-1802	03/01/04	<1	<1
W-865-1802	06/09/04	<1	<1

Location	Date	HMX (μg/L)	RDX (μg/L)
W-865-1803	03/03/04	<1	<1
W-865-1803	06/08/04	<1	<1

B-24 Building 850 OU VOCs in ground and surface water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
K1-01C	02/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-01C	05/19/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-01C	11/22/04	E624	<0.5 H	<0.5 H	<1 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
K1-02B	01/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-02B	05/20/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-02B	05/20/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-02B	11/22/04	E624	<0.5 H	<0.5 H	<1 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
K1-03	01/28/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-03	01/28/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-03	05/20/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-03	11/30/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-04	01/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-04	05/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-04	11/30/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-05	01/29/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<1	<0.5
K1-05	05/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	13	<1	<0.5
K1-05	12/01/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	13 J	<1	<0.5
K1-06	06/07/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K1-07	02/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-07	05/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-07	12/02/04	E624	<0.5	<0.5	<1	<0.5	<0.5 F	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K1-08	02/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	19	<1	<0.5
K1-08	05/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	22	<1	<0.5
K1-08	12/02/04	E624	<0.5	<0.5	<1	<0.5	<0.5 F	<0.5	<0.5	<0.5	<0.5	<0.5	23	<1	<0.5
K1-09	02/03/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	39	<1	<0.5
K1-09	05/11/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	41	<1	<0.5
K1-09	12/06/04	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40	<1	<0.5 O
K1-09	12/06/04 DUP	E624	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	38	<1	<0.5 O
NC7-69	04/21/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
NC7-69	12/01/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-PIT7-16	03/09/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<3	<0.5
W-865-1802	03/01/04	E624	<1 HL	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 HL	<1 H	<1 H	<1 H	<3 H	<1 H
W-865-1802	06/09/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-865-1802	11/17/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<3	<0.5
W-865-1803	03/03/04	E624	<1 HLO	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 HLO	<1 H	<1 H	<1 H	<3 H	<1 H
W-865-1803	06/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-865-1803	11/03/04	E601	<0.5 LO	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5

B-24 Building 850 OU VOCs in ground and surface water. (analytes not listed above).

Location	Date	Method	Detection frequency
K1-01C	02/04/04	E601	0 of 20
K1-01C	05/19/04	E601	0 of 20
K1-01C	11/22/04	E624	0 of 32
K1-02B	01/28/04	E601	0 of 20
K1-02B	05/20/04	E601	0 of 20
K1-02B	05/20/04 DUP	E601	0 of 20
K1-02B	11/22/04	E624	0 of 32
K1-03	01/28/04	E601	0 of 20
K1-03	01/28/04 DUP	E601	0 of 20
K1-03	05/20/04	E601	0 of 20
K1-03	11/30/04	E624	0 of 32
K1-04	01/29/04	E601	0 of 19
K1-04	05/11/04	E601	0 of 20
K1-04	11/30/04	E624	0 of 32
K1-05	01/29/04	E601	0 of 19
K1-05	05/10/04	E601	0 of 20
K1-05	12/01/04	E624	0 of 32
K1-06	06/07/04	E601	0 of 19
K1-07	02/04/04	E601	0 of 20
K1-07	05/10/04	E601	0 of 20
K1-07	12/02/04	E624	0 of 32
K1-08	02/03/04	E601	0 of 20
K1-08	05/11/04	E601	0 of 20
K1-08	12/02/04	E624	0 of 32
K1-09	02/03/04	E601	0 of 20
K1-09	05/11/04	E601	0 of 20
K1-09	12/06/04	E624	0 of 32
K1-09	12/06/04 DUP	E624	0 of 32
NC7-69	04/21/04	E601	0 of 20
NC7-69	12/01/04	E601	0 of 20
W-PIT7-16	03/09/04	E601	0 of 19
W-865-1802	03/01/04	E624	0 of 30
W-865-1802	06/09/04	E601	0 of 19
W-865-1802	11/17/04	E601	0 of 19
W-865-1803	03/03/04	E624	0 of 30
W-865-1803	06/08/04	E601	0 of 19
W-865-1803	11/03/04	E601	0 of 19

B-25 Building 850 OU gross alpha and beta in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)
K1-01C	02/04/04	<0.937 E	4.07 ± 1.3
K1-01C	05/19/04	<0.696 E	4.53 ± 1.1
K1-01C	07/21/04	<0.908 E	4.49 ± 1.1
K1-01C	11/22/04	<0.954 E	4.06 ± 0.95
K1-02B	01/28/04	<0.998 E	3.94 ± 1.2
K1-02B	05/19/04	5.6 ± 2	9.14 ± 2.4
K1-02B	05/19/04 DUP	<1.06 E	<2.26
K1-02B	07/20/04	<0.95 E	3.82 ± 0.95
K1-02B	11/22/04	<0.834	4.27 ± 1
K1-03	01/28/04	<0.936 E	4.39 ± 1.4
K1-03	01/28/04 DUP	<0.728 E	3.86 ± 1.2
K1-03	05/20/04	<0.925	3.71 ± 0.95
K1-03	07/19/04	<0.631 E	<1.08
K1-03	11/30/04	<0.964	3.71 ± 0.93
K1-04	01/29/04	<0.735 E	<1.53 E
K1-04	05/11/04	<1.34	4.4 ± 1.8
K1-04	07/19/04	<0.798 E	<1.13 E
K1-04	11/30/04	<1.04	3.96 ± 1.2
K1-05	01/29/04	<0.673 E	3.76 ± 1.2
K1-05	05/10/04	<0.572 E	3.79 ± 1.1
K1-05	07/13/04	<1.06	3.77 ± 1.1
K1-05	07/13/04 DUP	<0.983 E	4.42 ± 1.3
K1-05	12/01/04	2.49 ± 1	3.88 ± 0.97
K1-07	02/04/04	<1.58	<3
K1-07	05/10/04	<0.625 E	4.27 ± 1.1
K1-07	07/21/04	<0.819 E	4.03 ± 0.92
K1-07	12/02/04	<0.809 E	3.46 ± 0.9
K1-08	02/04/04	<0.92 E	<1.55 E
K1-08	05/11/04	<0.577 E	3.7 ± 1.1
K1-08	07/21/04	<0.781 E	3.97 ± 0.94
K1-08	12/02/04	<1.04 E	3.56 ± 0.9
K1-09	02/04/04	<0.802 E	3.84 ± 1.3
K1-09	05/11/04	<0.636 E	3.89 ± 1.2
K1-09	07/20/04	<1.28	3.55 ± 1.3
K1-09	12/06/04	<0.768	3.17 ± 0.87
K1-09	12/06/04 DUP	<1.1	<1.07 E
K2-04D	05/20/04	<0.666 E	3.64 ± 0.99
K2-04D	11/18/04	42 ± 8.9	25.3 ± 4
K2-04S	11/18/04	38.1 ± 8.2	34.1 ± 5.3
NC2-11D	04/22/04	3.11 ± 1.2	5.37 ± 1.4
NC2-11D	04/22/04 DUP	3.7 ± 1.4	4.99 ± 1.4
NC2-11D	11/16/04	4 ± 1.4	5.08 ± 1.1
NC2-12D	04/22/04	<1.42	4.83 ± 1.8
NC2-12D	11/18/04	59 ± 12	33.8 ± 5.3
NC7-61	04/26/04	3.9 ± 1.6	4.08 ± 1.9
NC7-61	12/01/04	2.92 ± 1.2	4.81 ± 1.1
NC7-69	04/21/04	<0.923	5.1 ± 1.1
NC7-69	12/01/04	<0.73	4.66 ± 1.1
W-865-1802	03/01/04	<1.13	<2.41 E
W-865-1802	06/09/04	<0.856	3.33 ± 0.88
W-865-1803	03/03/04	<0.896 E	4.3 ± 1.1
W-865-1803	06/08/04	<0.76 E	3.83 ± 0.99
W-865-1803	11/03/04	14.9 ± 3.8	29.6 ± 4.7

B-26 Building 850 OU metals and silica in ground and surface 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)
NC7-60	05/19/04	0.015	0.031	<0.0005	<0.001	<0.005	<0.0002	<0.005	-	<0.001
W-865-1802	03/01/04	0.014	0.084	0.0008	<0.001	<0.005	<0.0002 L	<0.005	-	<0.001
W-865-1802	06/09/04	0.014	0.045	<0.0005	<0.001	<0.005	<0.0002	<0.005 L	60	<0.001
W-865-1802	09/09/04	0.016	0.036	0.0008	<0.001	<0.005	<0.0002	<0.005	-	<0.001
W-865-1802	11/17/04	<0.002	0.04	<0.0005	<0.001	<0.005	<0.0002	<0.002	-	<0.001
W-865-1803	03/03/04	0.008	<0.025	<0.0005	<0.001	<0.005	<0.0002	<0.005	-	<0.001
W-865-1803	06/08/04	0.008	0.027	<0.0005	0.001	<0.005	<0.0002	<0.005	64	<0.001
W-865-1803	09/02/04	0.007	0.038	<0.0005	<0.001	<0.005	<0.0002	<0.005	-	<0.001
W-865-1803	11/03/04	0.0077	0.03	<0.0005	<0.001	<0.005	<0.0002	<0.002	-	<0.001

B-27 Building 850 OU general minerals in ground and surface water.

Constituents of concern	W-865-1802 03/01/04	W-865-1802 06/09/04	W-865-1803 03/03/04	W-865-1803 06/08/04	SPRING24 03/01/04
Total Alkalinity (as CaCO3) (mg/L)	120 DH	98 H	140 DH	150 DH	140 DH
Aluminum (mg/L)	0.4	0.4	<0.2	<0.2	<0.2
Bicarbonate Alk (as CaCO3) (mg/L)	120 DH	98 H	140 DH	150 DH	140 DH
Calcium (mg/L)	36	37	45	46	40
Carbonate Alk (as CaCO3) (mg/L)	<2 DH	<1 H	<2 DH	<2 DH	<2 DH
Chloride (mg/L)	35 D	30 D	48 D	40 D	50 D
Copper (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoride (mg/L)	0.5	0.45 H	0.49	0.43 H	0.62
Hydroxide Alk (as CaCO3) (mg/L)	<2 DH	<1 H	<2 DH	<2 DH	<2 DH
Iron (mg/L)	0.2	0.4	<0.1	<0.1	<0.1
Magnesium (mg/L)	16	17	21	21	19
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)	5.7	5.9	6.6	7.2 H	6.7
Nitrate (as NO3) (mg/L)	25	26	30	32	30
Nitrite (as N) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Units)	7.8	8	7.7	7.7	7.8
Ortho-Phosphate (mg/L)	0.11	0.12	0.16	0.12	0.37
Total Phosphorus (as PO4) (mg/L)	0.16 H	0.11 H	0.12 H	0.14 H	5.9 DH
Potassium (mg/L)	5	5	6	5	5
Sodium (mg/L)	49	50	47	48	41
Total dissolved solids (TDS) (mg/L)	390 H	350 H	440 H	430	410 DH
Specific Conductance (μmhos/cm)	530 H	530 H	600 H	620 H	560 H
Sulfate (mg/L)	70 D	52 DH	78 D	48 DH	20 D
Surfactants (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Total Hardness (as CaCO3) (mg/L)	160 H	160 H	200 H	200 H	180 H
Zinc (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05

B-28 Building 854 OU VOCs in ground and surface water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-854-01	06/02/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-01	11/05/04	E601	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1
W-854-02	11/05/04	E601	180 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-04	06/02/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-04	11/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-05	06/01/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-05	06/01/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-05	11/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-06	06/07/04	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-06	11/05/04	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-07	06/07/04	E601	34	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-07	11/05/04	E601	36	<0.5 O	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-854-07	11/05/04 DUP	E601	32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-08	06/01/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-08	11/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-09	06/09/04	E601	9.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-09	11/09/04	E601	8.4 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	-	<3 LO	<0.5 LO
W-854-09	11/09/04 DUP	E601	8.4 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	-	<3 LO	<0.5 LO
W-854-10	06/01/04	E601	4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-10	06/01/04 DUP	E601	4.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-10	11/05/04	E601	7	<0.5 O	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-854-10	11/05/04 DUP	E601	5.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-13	06/09/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-13	12/01/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<3	<0.5
W-854-13	12/01/04 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<3	<0.5
W-854-15	06/02/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-15	11/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-17	06/03/04	E601	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-17	11/20/04	E601	9.4 L	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<3	<0.5
W-854-18A	06/03/04	E601	25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-18A	11/20/04	E601	24 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<3	<0.5
W-854-45	06/03/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-45	11/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-1701	06/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-1701	11/09/04	E601	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	-	<3 LO	<0.5 LO
W-854-1707	06/07/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-1707	11/09/04	E601	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	-	<3 LO	<0.5 LO
W-854-1731	06/03/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-1731	11/05/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-854-1822	02/04/04	E601	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-854-1822	06/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-1823	06/07/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-1823	11/20/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<3	<0.5
W-854-1902	06/09/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-854-1902	11/20/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<3	<0.5
SPRING10	03/08/04	E601	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
SPRING10	06/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
SPRING10	06/08/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
SPRING10	09/14/04	E601	3.9 IJ	-	-	-	-	-	-	-	-	-	-	-	-
SPRING10	11/09/04	E601	2 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	-	<3 LO	<0.5 LO
SPRING11	03/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
SPRING11	03/08/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
SPRING11	06/08/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
SPRING11	11/09/04	E601	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	<0.5 LO	-	<3 LO	<0.5 LO
SPRING18	06/16/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

B-28 Building 854 OU VOCs in ground and surface water. (analytes not listed above).

Location	Date	Method	Detection frequency	cis-1,2-Dichloroethene (μg/L)
W-854-01	06/02/04	E601	0 of 19	-
W-854-01	11/05/04	E601	0 of 19	-
W-854-02	11/05/04	E601	0 of 19	-
W-854-04	06/02/04	E601	0 of 19	-
W-854-04	11/05/04	E601	0 of 19	-
W-854-05	06/01/04	E601	0 of 19	-
W-854-05	06/01/04 DUP	E601	0 of 19	-
W-854-05	11/05/04	E601	0 of 19	-
W-854-06	06/07/04	E601	0 of 19	-
W-854-06	11/05/04	E601	0 of 19	-
W-854-07	06/07/04	E601	0 of 19	-
W-854-07	11/05/04	E601	0 of 20	-
W-854-07	11/05/04 DUP	E601	0 of 19	-
W-854-08	06/01/04	E601	0 of 19	-
W-854-08	11/05/04	E601	0 of 19	-
W-854-09	06/09/04	E601	0 of 19	-
W-854-09	11/09/04	E601	0 of 19	-
W-854-09	11/09/04 DUP	E601	0 of 19	-
W-854-10	06/01/04	E601	0 of 19	-
W-854-10	06/01/04 DUP	E601	0 of 19	-
W-854-10	11/05/04	E601	0 of 20	-
W-854-10	11/05/04 DUP	E601	0 of 19	-
W-854-13	06/09/04	E601	0 of 19	-
W-854-13	12/01/04	E601	0 of 19	-
W-854-13	12/01/04 DUP	E601	0 of 19	-
W-854-15	06/02/04	E601	0 of 19	-
W-854-15	11/05/04	E601	0 of 19	-
W-854-17	06/03/04	E601	1 of 19	9.6
W-854-17	11/20/04	E601	1 of 19	11
W-854-18A	06/03/04	E601	0 of 19	-
W-854-18A	11/20/04	E601	0 of 19	-
W-854-45	06/03/04	E601	0 of 19	-
W-854-45	11/05/04	E601	0 of 19	-
W-854-1701	06/08/04	E601	0 of 19	-
W-854-1701	11/09/04	E601	0 of 19	-
W-854-1707	06/07/04	E601	0 of 19	-
W-854-1707	11/09/04	E601	0 of 19	-
W-854-1731	06/03/04	E601	0 of 19	-
W-854-1731	11/05/04	E601	0 of 19	-

Location	Date	Method	Detection frequency	cis-1,2-Dichloroethene (μg/L)
W-854-1822	02/04/04	E601	0 of 19	-

Location	Date	Method	Detection frequency	cis-1,2-Dichloroethene (μg/L)
W-854-1822	06/08/04	E601	0 of 19	-
W-854-1823	06/07/04	E601	0 of 19	-
W-854-1823	11/20/04	E601	0 of 19	-
W-854-1902	06/09/04	E601	0 of 19	-
W-854-1902	11/20/04	E601	0 of 19	-
SPRING10	03/08/04	E601	0 of 19	-
SPRING10	06/08/04	E601	0 of 19	-
SPRING10	06/08/04 DUP	E601	0 of 19	-
SPRING10	11/09/04	E601	0 of 19	-
SPRING11	03/08/04	E601	0 of 19	-
SPRING11	03/08/04 DUP	E601	0 of 19	-
SPRING11	06/08/04	E601	0 of 19	-
SPRING11	11/09/04	E601	0 of 19	-
SPRING18	06/16/04	E601	0 of 20	-

B-29 Building 854 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-854-01	06/02/04	<0.1	<4
W-854-04	06/02/04	0.2	<4
W-854-05	06/01/04	53 D	<4
W-854-05	06/01/04 DUP	62 D	<4
W-854-06	06/07/04	<0.1 H	<4
W-854-07	06/07/04	33 DH	<4
W-854-08	06/01/04	30 D	<4
W-854-09	06/09/04	49	<4
W-854-10	06/01/04	12	<4
W-854-10	06/01/04 DUP	12	<4
W-854-13	06/09/04	1.8	<4
W-854-15	06/02/04	7.7	<4
W-854-17	06/03/04	0.9	<4
W-854-18A	06/03/04	18	<4
W-854-45	06/03/04	16	<4
W-854-1701	06/08/04	<0.2	<4
W-854-1707	06/07/04	6 H	<4
W-854-1731	06/03/04	0.7	<4
W-854-1822	02/04/04	16	<4
W-854-1822	06/08/04	4.1	<4
W-854-1823	06/07/04	26 DH	19
W-854-1902	06/09/04	11	<4
SPRING10	06/08/04	0.7	<4
SPRING10	06/08/04 DUP	0.7 D	<4
SPRING11	06/08/04	1.6 D	<4

B-30 Building 854 OU metals 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)	Silver (mg/L)
SPRING18	06/16/04	0.041	0.088	<0.0002	<0.0005	<0.001	<0.005	<0.0002	0.0065	<0.001

B-31 Building 854 OU high explosive compounds in ground and surface water.

Location	Date	HMX (μg/L)	RDX (μg/L)
SPRING18	06/16/04	<5	<5

B-32 Building 854 OU gross alpha and beta in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)
SPRING18	06/16/04	<10.6	22.2 ś 13

B-33 Building 854 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 (-)
W-854-15	02/03/04	0.000255 ± 0.0000187	28.0 ± 0.414	15.1 ± 0.414	0.573 ± 0.00206	<0.00317	12.3 ± 0.00000900	0.00723 ± 0.0000260
W-854-18A	02/03/04	0.00116 ± 0.0000428	58.9 ± 1.22	40.0 ± 1.22	0.839 ± 0.00368	<0.01075	18.1 ± 0.0000110	0.00721 ± 0.0000320

B-34 Building 854 OU uranium and thorium isotopes by alpha spectrometry in ground and surface water.

Location	Date	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
SPRING18	06/16/04	6.23 ś 0.670	0.325 ś 0.0630	5.66 ś 0.610

B-35 Building 854 OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
W-854-1731	06/03/04	<88.2
SPRING18	06/16/04	<95

B-36 Building 854 OU TBOS in ground water.

Location	Date	C24H52O4Si (μg/L)
W-854-02	02/03/04	<1
W-854-10	02/03/04	<1
W-854-10	06/01/04	<1
W-854-10	06/01/04 DUP	<1
W-854-17	02/05/04	<1
W-854-17	06/03/04	<1
W-854-18A	02/03/04	<1
W-854-18A	06/03/04	<1
W-854-1822	02/05/04	<1
W-854-1822	06/08/04	<1
W-854-1823	02/04/04	<1
W-854-1823	06/07/04	<1
W-854-1823	09/02/04	<1
W-854-1902	02/04/04	<1
W-854-1902	06/09/04	<1
W-854-1902	09/02/04	<1

B-37 Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-830-04A	02/10/04	E601	4.3	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-04A	02/10/04 DUP	E601	4.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-04A	07/21/04	E601	2.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-04A	07/21/04 DUP	E601	5.4	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-05	02/10/04	E601	<0.5 F	<0.5	<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	07/20/04	E601	<0.5	<0.5	<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	01/28/04	E601	<0.5	<0.5	<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	07/26/04	E601	<0.5	<0.5	<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	02/10/04	E601	90 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	07/27/04	E601	110 DL	<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	07/27/04 DUP	E601	110 DL	<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-830-11	02/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-11	02/10/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-11	07/20/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-12	02/09/04	E601	<0.5	<0.5	<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	07/27/04	E601	<0.5	<0.5	<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	02/10/04	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
W-830-13	07/27/04	E601	13 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
W-830-14	02/10/04	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
W-830-14	07/20/04	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
W-830-14	07/20/04 DUP	E601	1.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-15	02/10/04	E601	<0.5	<0.5	<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	07/20/04	E601	<0.5	<0.5	<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	02/10/04	E601	<0.5	<0.5	<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	02/10/04 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
W-830-16	04/22/04	E601	<0.5	<0.5	<0.5	<0.5	0.94	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-16	04/22/04 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
W-830-16	07/21/04	E601	<0.5	<0.5	<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	11/18/04	E601	<0.5	<0.5	<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	11/18/04 DUP	E601	<0.5	<0.5	<0.5	<0.5	0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-17	02/10/04	E601	<0.5	<0.5	<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	07/27/04	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
W-830-18	02/10/04	E601	4.8 F	<0.5	<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	07/21/04	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
W-830-19	01/13/04	E601	6,600 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<50 D	<30 D
W-830-19	04/07/04	E601	6,600 D	<30 D	<50 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<200 D	<30 D
W-830-19	07/14/04	E601	5,800 D	<10 D	<20 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-830-19	10/06/04	E601	5,000 D	<10 D	<20 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<10 D	<20 D	<10 D
W-830-20	01/28/04	E601	<0.5	<0.5	<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	04/22/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-830-20	07/20/04	E601	<0.5	<0.5	<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	10/25/04	E601	<0.5 O	<0.5 O	<0.5	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5	<0.5 O	<0.5 O	<0.5
W-830-21	02/10/04	E601	67 FD	<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-830-21	07/21/04	E601	56 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-830-21	07/21/04 DUP	E601	59 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-830-22	01/28/04	E601	5.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-22	07/27/04	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
W-830-22	07/27/04 DUP	E601	2.3	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-25	02/09/04	E601	670 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-830-25	07/28/04	E601	560 DL	<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-830-26	01/29/04	E601	4.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-26	01/29/04 DUP	E601	4.2	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-26	07/27/04	E601	5.6	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-27	02/09/04	E601	1,200 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-830-27	07/28/04	E601	960 DL	<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-830-28	02/09/04	E601	43 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-830-28	07/28/04	E601	50 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
W-830-29	01/29/04	E601	<0.5	<0.5	<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	07/27/04	E601	<0.5	<0.5	<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	01/29/04	E601	2,100 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-830-30	02/17/04	E601	1,300 D	<3 D	<5 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<3 D	<5 D	<3 D
W-830-30	07/27/04	E601	1,100 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-830-34	01/29/04	E601	1,200 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
W-830-34	07/27/04	E601	1,300 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-830-49	01/28/04	E601	11,000 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D	<250 D
W-830-49	07/26/04	E601	8,800 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D	<500 D
W-830-50	02/10/04	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
W-830-50	07/21/04	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
W-830-51	01/13/04	E601	95	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-51	04/07/04	E601	99	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-51	07/14/04	E601	87 D	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-51	10/06/04	E601	100	<0.5 J	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-52	01/13/04	E601	100	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-52	04/07/04	E601	89	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-52	07/14/04	E601	87 D	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-52	10/06/04	E601	100	<0.5 J	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-53	01/13/04	E601	85	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-53	04/07/04	E601	81	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-53	07/14/04	E601	82	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-53	10/06/04	E601	81	<0.5 J	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-830-54	02/17/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-54	07/27/04	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
W-830-55	02/17/04	E601	4.1	<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-830-55	07/27/04	E601	4.9 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
W-830-56	02/18/04	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
W-830-56	02/18/04 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
W-830-56	07/20/04	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
W-830-57	04/06/04	E601	32	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.51 J	<0.5	<1	<0.5
W-830-57	08/25/04	E601	30 F	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<1	<0.5
W-830-57	10/05/04	E601	31	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-58	02/10/04	E601	190 FD	<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	07/28/04	E601	130 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-830-59	01/13/04	E601	3,700 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-59	04/07/04	E601	3,300 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-59	07/14/04	E601	3,000 D	3.2	<1	<0.5	1.2	<0.5	1	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-830-59	10/06/04	E601	2,600 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-60	02/10/04	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
W-830-60	07/27/04	E601	35 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
W-830-1730	02/02/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	07/21/04	E601	<0.5	<0.5	<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	01/13/04	E601	4,000 D	13 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-1807	04/07/04	E601	2,500 D	7.4 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-1807	07/14/04	E601	2,100 D	5.7 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-1807	10/06/04	E601	3,200 D	<5 D	<10 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<10 D	<5 D
W-830-1829	01/28/04	E601	3,100 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	04/29/04	E601	2,400 D	3.4	<0.5	<0.5	1.2	<0.5	1.6	0.7	<0.5	<0.5	<0.5	<3	<0.5
W-830-1829	04/29/04 DUP	E601	2,400 D	3.5	<0.5	<0.5	1.3	<0.5	1.6	0.7	<0.5	<0.5	<0.5	<3	<0.5
W-830-1829	07/26/04	E601	2,500 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
W-830-1830	01/28/04	E601	1,700 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	04/29/04	E601	1,100 D	1.3	<0.5	<0.5	1.3	<0.5	1	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-830-1830	04/29/04 DUP	E601	880 D	1.3	<0.5	<0.5	1.3	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<3	<0.5
W-830-1830	07/26/04	E601	1,600 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-830-1831	02/10/04	E601	<0.5	<0.5	<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	04/26/04	E601	<0.5	<0.5	<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	07/26/04	E601	<0.5	<0.5	<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	02/10/04	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
W-830-1832	04/26/04	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
W-830-1832	07/26/04	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
W-832-01	01/29/04	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
W-832-01	07/28/04	E601	150 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

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-832-05	02/02/04	E601	8.8 L	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-05	07/28/04	E601	160 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-832-06	02/02/04	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-09	01/29/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-09	07/28/04	E601	<0.5	<0.5	<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	02/09/04	E601	92 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-832-10	07/28/04	E601	110 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-832-11	02/09/04	E601	130 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-832-11	07/28/04	E601	140 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-832-12	01/21/04	E601	57	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-12	04/07/04	E601	78	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-12	07/14/04	E601	38	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-12	10/06/04	E601	60	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-13	01/21/04	E601	28	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-13	04/07/04	E601	53	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-13	07/14/04	E601	32	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-13	10/06/04	E601	16	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-14	07/14/04	E601	32	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-15	01/21/04	E601	8.9	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-15	04/07/04	E601	21	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-15	07/14/04	E601	33	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-832-1927	02/11/04	E601	28	<0.5	<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	04/26/04	E601	31	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.68	<0.5	<0.5	<0.5
W-832-1927	07/26/04	E601	38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.57	<0.5	<0.5	<0.5
W-832-23	02/09/04	E601	360 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-832-23	02/09/04 DUP	E601	390 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-832-23	07/28/04	E601	420 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-832-24	02/09/04	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
W-832-24	07/28/04	E601	50 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-832-25	02/09/04	E601	86 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	07/28/04	E601	92 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-SC1	07/28/04	E601	85 DL	<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-832-SC3	02/02/04	E601	10 L	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC4	02/02/04	E601	18 L	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-870-02	02/10/04	E601	<0.5	<0.5	<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	07/28/04	E601	<0.5	<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-830-035	01/29/04	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
SVI-830-035	04/29/04	E601	2,000 DH	<0.5 H	<0.5 H	<0.5 H	1 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<3 H	<0.5 H
SVI-830-035	07/27/04	E601	2,500 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
SVI-830-035	10/27/04	E601	3,200 DO	<25 DO	<25 D	<25 DO	<25 DO	<25 DO	<25 DO	<25 DO	<25 DO	<25 D	<25 DO	<25 DO	<25 D

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
SPRING3	02/02/04	E601	40 L	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING3	07/26/04	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
W-880-01	02/17/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-01	04/13/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-01	07/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-01	10/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-02	02/05/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-02	04/13/04	E601	<0.5	0.51	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-02	04/13/04 DUP	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-02	07/07/04	E601	0.53	0.51	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-02	10/25/04	E601	<0.5	0.57	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-02	10/25/04 DUP	E601	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<3	<0.5
W-880-03	02/17/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-03	04/13/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-03	07/07/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-880-03	10/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5

B-37 Building 832 Canyon OU VOCs in ground and surface water. (analytes not listed above).

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-830-04A	02/10/04	E601	0 of 20	-	-	-
W-830-04A	02/10/04 DUP	E601	0 of 20	-	-	-
W-830-04A	07/21/04	E601	0 of 20	-	-	-
W-830-04A	07/21/04 DUP	E601	0 of 20	-	-	-
W-830-05	02/10/04	E601	0 of 19	-	-	-
W-830-05	07/20/04	E601	0 of 18	-	-	-
W-830-09	01/28/04	E601	0 of 19	-	-	-
W-830-09	07/26/04	E601	0 of 19	-	-	-
W-830-10	02/10/04	E601	0 of 19	-	-	-
W-830-10	07/27/04	E601	0 of 19	-	-	-
W-830-10	07/27/04 DUP	E601	0 of 19	-	-	-
W-830-11	02/10/04	E601	0 of 20	-	-	-
W-830-11	02/10/04 DUP	E601	0 of 20	-	-	-
W-830-11	07/20/04	E601	0 of 20	-	-	-
W-830-12	02/09/04	E601	0 of 19	-	-	-
W-830-12	07/27/04	E601	0 of 19	-	-	-
W-830-13	02/10/04	E601	0 of 19	-	-	-
W-830-13	07/27/04	E601	0 of 19	-	-	-
W-830-14	02/10/04	E601	1 of 19	-	0.68	-
W-830-14	07/20/04	E601	1 of 18	-	0.53	-
W-830-14	07/20/04 DUP	E601	0 of 20	-	-	-
W-830-15	02/10/04	E601	0 of 19	-	-	-
W-830-15	07/20/04	E601	0 of 18	-	-	-
W-830-16	02/10/04	E601	0 of 19	-	-	-
W-830-16	02/10/04 DUP	E601	0 of 19	-	-	-
W-830-16	04/22/04	E601	0 of 19	-	-	-
W-830-16	04/22/04 DUP	E601	0 of 19	-	-	-
W-830-16	07/21/04	E601	0 of 19	-	-	-
W-830-16	11/18/04	E601	0 of 19	-	-	-
W-830-16	11/18/04 DUP	E601	0 of 19	-	-	-
W-830-17	02/10/04	E601	0 of 19	-	-	-
W-830-17	07/27/04	E601	0 of 19	-	-	-
W-830-18	02/10/04	E601	1 of 19	-	0.77	-
W-830-18	07/21/04	E601	1 of 19	-	0.69	-
W-830-19	01/13/04	E601	0 of 20	-	-	-
W-830-19	04/07/04	E601	0 of 20	-	-	-
W-830-19	07/14/04	E601	0 of 20	-	-	-
W-830-19	10/06/04	E601	0 of 19	-	-	-
W-830-20	01/28/04	E601	0 of 19	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-830-20	04/22/04	E601	0 of 19	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-830-20	07/20/04	E601	0 of 18	-	-	-
W-830-20	10/25/04	E601	0 of 19	-	-	-
W-830-21	02/10/04	E601	2 of 19	-	1.2 D	3.2 D
W-830-21	07/21/04	E601	1 of 19	-	-	4 D
W-830-21	07/21/04 DUP	E601	1 of 19	-	-	3.4 D
W-830-22	01/28/04	E601	0 of 19	-	-	-
W-830-22	07/27/04	E601	0 of 19	-	-	-
W-830-22	07/27/04 DUP	E601	0 of 20	-	-	-
W-830-25	02/09/04	E601	0 of 19	-	-	-
W-830-25	07/28/04	E601	0 of 19	-	-	-
W-830-26	01/29/04	E601	0 of 20	-	-	-
W-830-26	01/29/04 DUP	E601	0 of 20	-	-	-
W-830-26	07/27/04	E601	0 of 20	-	-	-
W-830-27	02/09/04	E601	0 of 19	-	-	-
W-830-27	07/28/04	E601	0 of 19	-	-	-
W-830-28	02/09/04	E601	0 of 19	-	-	-
W-830-28	07/28/04	E601	0 of 19	-	-	-
W-830-29	01/29/04	E601	0 of 19	-	-	-
W-830-29	07/27/04	E601	0 of 19	-	-	-
W-830-30	01/29/04	E601	0 of 19	-	-	-
W-830-30	02/17/04	E601	0 of 20	-	-	-
W-830-30	07/27/04	E601	0 of 19	-	-	-
W-830-34	01/29/04	E601	0 of 19	-	-	-
W-830-34	07/27/04	E601	0 of 19	-	-	-
W-830-49	01/28/04	E601	0 of 19	-	-	-
W-830-49	07/26/04	E601	0 of 19	-	-	-
W-830-50	02/10/04	E601	0 of 19	-	-	-
W-830-50	07/21/04	E601	0 of 19	-	-	-
W-830-51	01/13/04	E601	0 of 20	-	-	-
W-830-51	04/07/04	E601	0 of 20	-	-	-
W-830-51	07/14/04	E601	0 of 20	-	-	-
W-830-51	10/06/04	E601	0 of 19	-	-	-
W-830-52	01/13/04	E601	0 of 20	-	-	-
W-830-52	04/07/04	E601	0 of 20	-	-	-
W-830-52	07/14/04	E601	0 of 20	-	-	-
W-830-52	10/06/04	E601	0 of 19	-	-	-
W-830-53	01/13/04	E601	0 of 20	-	-	-
W-830-53	04/07/04	E601	0 of 20	-	-	-
W-830-53	07/14/04	E601	0 of 20	-	-	-
W-830-53	10/06/04	E601	0 of 19	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-830-54	02/17/04	E601	0 of 19	-	-	-
W-830-54	07/27/04	E601	0 of 19	-	-	-
W-830-55	02/17/04	E601	0 of 19	-	-	-
W-830-55	07/27/04	E601	0 of 19	-	-	-
W-830-56	02/18/04	E601	0 of 19	-	-	-
W-830-56	02/18/04 DUP	E601	0 of 19	-	-	-
W-830-56	07/20/04	E601	0 of 18	-	-	-
W-830-57	04/06/04	E601	0 of 20	-	-	-
W-830-57	08/25/04	E601	0 of 20	-	-	-
W-830-57	10/05/04	E601	0 of 20	-	-	-
W-830-58	02/10/04	E601	0 of 19	-	-	-
W-830-58	07/28/04	E601	0 of 19	-	-	-
W-830-59	01/13/04	E601	0 of 20	-	-	-
W-830-59	04/07/04	E601	0 of 20	-	-	-
W-830-59	07/14/04	E601	0 of 20	-	-	-
W-830-59	10/06/04	E601	0 of 19	-	-	-
W-830-60	02/10/04	E601	0 of 19	-	-	-
W-830-60	07/27/04	E601	0 of 19	-	-	-
W-830-1730	02/02/04	E601	0 of 19	-	-	-
W-830-1730	07/21/04	E601	0 of 19	-	-	-
W-830-1807	01/13/04	E601	0 of 20	-	-	-
W-830-1807	04/07/04	E601	0 of 17	-	-	-
W-830-1807	07/14/04	E601	0 of 20	-	-	-
W-830-1807	10/06/04	E601	0 of 19	-	-	-
W-830-1829	01/28/04	E601	0 of 19	-	-	-
W-830-1829	04/29/04	E601	2 of 19	0.7	0.8	-
W-830-1829	04/29/04 DUP	E601	2 of 19	0.8	0.9	-
W-830-1829	07/26/04	E601	0 of 19	-	-	-
W-830-1830	01/28/04	E601	0 of 19	-	-	-
W-830-1830	04/29/04	E601	0 of 19	-	-	-
W-830-1830	04/29/04 DUP	E601	0 of 19	-	-	-
W-830-1830	07/26/04	E601	0 of 19	-	-	-
W-830-1831	02/10/04	E601	0 of 19	-	-	-
W-830-1831	04/26/04	E601	0 of 19	-	-	-
W-830-1831	07/26/04	E601	0 of 19	-	-	-
W-830-1832	02/10/04	E601	0 of 19	-	-	-
W-830-1832	04/26/04	E601	0 of 19	-	-	-
W-830-1832	07/26/04	E601	0 of 19	-	-	-
W-832-01	01/29/04	E601	1 of 19	-	6.4 D	-
W-832-01	07/28/04	E601	1 of 19	-	5.4 D	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
W-832-05	02/02/04	E601	1 of 19	-	0.73 L	-
W-832-05	07/28/04	E601	1 of 19	-	6.8 D	-
W-832-06	02/02/04	E601	0 of 19	-	-	-
W-832-09	01/29/04	E601	0 of 19	-	-	-
W-832-09	07/28/04	E601	0 of 19	-	-	-
W-832-10	02/09/04	E601	1 of 19	-	3.1 D	-
W-832-10	07/28/04	E601	0 of 19	-	-	-
W-832-11	02/09/04	E601	1 of 19	-	5.2 D	-
W-832-11	07/28/04	E601	1 of 19	-	4.8 D	-
W-832-12	01/21/04	E601	1 of 20	-	1.3	-
W-832-12	04/07/04	E601	1 of 20	-	1.6	-
W-832-12	07/14/04	E601	1 of 20	-	1.1	-
W-832-12	10/06/04	E601	1 of 19	-	1.5	-
W-832-13	01/21/04	E601	0 of 20	-	-	-
W-832-13	04/07/04	E601	1 of 20	-	0.69	-
W-832-13	07/14/04	E601	1 of 20	-	1	-
W-832-13	10/06/04	E601	1 of 19	-	0.68	-
W-832-14	07/14/04	E601	1 of 20	-	0.84	-
W-832-15	01/21/04	E601	0 of 20	-	-	-
W-832-15	04/07/04	E601	1 of 20	-	0.5	-
W-832-15	07/14/04	E601	1 of 20	-	0.98	-
W-832-1927	02/11/04	E601	0 of 19	-	-	-
W-832-1927	04/26/04	E601	0 of 19	-	-	-
W-832-1927	07/26/04	E601	0 of 19	-	-	-
W-832-23	02/09/04	E601	0 of 19	-	-	-
W-832-23	02/09/04 DUP	E601	0 of 19	-	-	-
W-832-23	07/28/04	E601	0 of 19	-	-	-
W-832-24	02/09/04	E601	0 of 19	-	-	-
W-832-24	07/28/04	E601	0 of 19	-	-	-
W-832-25	02/09/04	E601	0 of 19	-	-	-
W-832-25	07/28/04	E601	0 of 19	-	-	-
W-832-SC1	07/28/04	E601	2 of 19	-	2.1 D	4.4 D
W-832-SC3	02/02/04	E601	0 of 19	-	-	-
W-832-SC4	02/02/04	E601	0 of 19	-	-	-
W-870-02	02/10/04	E601	0 of 19	-	-	-
W-870-02	07/28/04	E601	0 of 19	-	-	-
SVI-830-035	01/29/04	E601	0 of 19	-	-	-
SVI-830-035	04/29/04	E601	1 of 19	3.1 H	-	-
SVI-830-035	07/27/04	E601	0 of 19	-	-	-
SVI-830-035	10/27/04	E601	0 of 19	-	-	-

Location	Date	Method	Detection frequency	1,1,2-Trichloroethane (μg/L)	cis-1,2-Dichloroethene (μg/L)	trans-1,2-Dichloroethene (μg/L)
SPRING3	02/02/04	E601	0 of 19	-	-	-
SPRING3	07/26/04	E601	0 of 19	-	-	-
W-880-01	02/17/04	E601	0 of 20	-	-	-
W-880-01	04/13/04	E601	0 of 20	-	-	-
W-880-01	07/07/04	E601	0 of 20	-	-	-
W-880-01	10/25/04	E601	0 of 20	-	-	-
W-880-02	02/05/04	E601	0 of 20	-	-	-
W-880-02	04/13/04	E601	0 of 20	-	-	-
W-880-02	04/13/04 DUP	E601	0 of 20	-	-	-
W-880-02	07/07/04	E601	0 of 20	-	-	-
W-880-02	10/25/04	E601	0 of 20	-	-	-
W-880-02	10/25/04 DUP	E601	0 of 19	-	-	-
W-880-03	02/17/04	E601	0 of 20	-	-	-
W-880-03	04/13/04	E601	0 of 20	-	-	-
W-880-03	07/07/04	E601	0 of 20	-	-	-
W-880-03	10/25/04	E601	0 of 20	-	-	-

B-38 Building 832 Canyon OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-830-04A	02/10/04	75.4	<4
W-830-04A	02/10/04 DUP	75.3	<4
W-830-05	02/10/04	71 DH	4.3 H
W-830-09	07/26/04	<0.5	<4
W-830-10	02/10/04	69 DH	4.4 H
W-830-11	02/10/04	12.5	<4
W-830-11	02/10/04 DUP	12.6	<4
W-830-12	07/27/04	<0.5	<4
W-830-13	02/10/04	79 DH	4.1 H
W-830-14	02/10/04	6.3 H	<4 H
W-830-15	10/26/04	8.7 D	<4
W-830-16	02/10/04	3.9 H	<4 H
W-830-16	02/10/04 DUP	3.9 H	<4 H
W-830-16	07/21/04	<5 D	<4 H
W-830-17	02/10/04	110 DH	5.2 H
W-830-18	02/10/04	<0.5 H	<4 H
W-830-19	01/13/04	164 D	<4 H
W-830-19	04/07/04	156 D	5.3
W-830-19	07/14/04	150 D	5.3
W-830-19	10/06/04	156 D	10
W-830-20	01/28/04	<0.88 D	<4 H
W-830-20	07/20/04	<0.88 D	<4
W-830-21	02/10/04	0.88 H	<4 H
W-830-22	01/28/04	160 D	<4
W-830-25	02/09/04	90 D	11
W-830-26	01/29/04	0.55	<4 H
W-830-26	01/29/04 DUP	0.46	<4 H
W-830-27	02/09/04	87 D	5.1
W-830-28	02/09/04	8.1	<4
W-830-29	01/29/04	<0.5	<4
W-830-30	07/27/04	110 D	<4
W-830-34	07/27/04	140 D	<4
W-830-49	01/28/04	5.1	<4
W-830-50	02/10/04	11 H	<4 H
W-830-51	01/13/04	63.7 H	<4 H
W-830-51	04/07/04	60.8	4.5
W-830-51	07/14/04	60.7	5.3
W-830-51	10/06/04	63.5	<4
W-830-52	01/13/04	67.5 H	<4 H
W-830-52	04/14/04	65.2	4.2 L
W-830-52	07/14/04	65.1	6.2
W-830-52	10/06/04	66.8	<4
W-830-53	01/13/04	57.1 H	<4 H
W-830-53	04/07/04	53.7	<4
W-830-53	07/14/04	53.4	4.6
W-830-53	10/06/04	54.4	<4
W-830-54	02/17/04	<5 DL	<4 HL
W-830-55	02/17/04	<5 DL	<4 HL
W-830-56	02/18/04	27 DL	<4 HL
W-830-56	02/18/04 DUP	28 DL	<4 HL
W-830-57	04/06/04	16.8 D	<4
W-830-57	08/25/04	17.8 D	15
W-830-57	10/05/04	18.2 D	<4

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-830-58	02/10/04	45 DH	7.9 H
W-830-59	01/13/04	145 D	<4 H
W-830-59	04/07/04	144 D	7.6
W-830-59	07/14/04	132 D	6.8
W-830-59	10/06/04	130 D	7.7
W-830-60	02/10/04	11 H	<4 H
W-830-1730	02/02/04	<5 D	<4
W-830-1807	01/13/04	96.4 D	<4 H
W-830-1807	04/07/04	101 D	<4
W-830-1807	07/14/04	98.1 D	<4
W-830-1807	10/06/04	101 D	<4
W-830-1829	01/28/04	53 D	<4
W-830-1829	04/29/04	72 D	<4
W-830-1830	01/28/04	91 D	4.6
W-830-1830	04/29/04	72	7
W-830-1831	02/10/04	1.9 OH	<4 H
W-830-1831	04/26/04	2.2 H	<4
W-830-1832	02/10/04	3.5 H	<4 H
W-830-1832	04/26/04	2.9 H	<4
W-832-01	01/29/04	73 D	6
W-832-05	02/02/04	10 D	<4
W-832-06	02/02/04	21 D	<4
W-832-09	01/29/04	0.51	<4
W-832-10	02/09/04	90 D	8.1
W-832-11	02/09/04	89 D	7.8
W-832-12	01/21/04	133 D	-
W-832-12	04/07/04	123 D	-
W-832-12	07/14/04	128 D	-
W-832-12	10/06/04	131 D	-
W-832-13	01/21/04	138 D	-
W-832-13	04/07/04	137 D	-
W-832-13	07/14/04	140 D	-
W-832-13	10/06/04	67.3 D	-
W-832-14	07/14/04	86.8 D	10
W-832-15	01/21/04	135 D	-
W-832-15	04/07/04	128 D	-
W-832-15	07/14/04	129 D	15
W-832-1927	02/11/04	64 D	4.9 HL
W-832-1927	04/26/04	6.7 H	<4
W-832-23	02/09/04	110 D	13
W-832-24	02/09/04	55 D	<4
W-832-25	02/09/04	90 D	7.7
W-832-SC4	02/02/04	66.6	<4
W-870-02	02/10/04	3.6 H	<4 H
SVI-830-035	04/29/04	88 D	<4
SPRING3	07/26/04	50 D	<4
W-880-01	02/17/04	<0.44	<4 H
W-880-01	07/07/04	<0.44	<4
W-880-02	02/05/04	1.3 D	<4
W-880-02	07/07/04	<0.88 D	<4
W-880-03	02/17/04	<0.88 D	<4 H
W-880-03	07/07/04	<0.44	<4

B-39 Building 832 Canyon OU uranium isotopes by alpha spectrometry in ground and surface water.

Location	Date	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
W-830-1829	01/28/04	7.42 ś 0.800	0.302 ś 0.0680	6.20 ś 0.680
W-830-1830	01/28/04	4.53 ś 0.510	0.139 ś 0.0420	3.26 ś 0.380
W-830-1831	02/10/04	0.365 ś 0.0680	<0.02	0.164 ś 0.0420
W-830-1832	02/10/04	<0.029 E	<0.03	<0.02 E
W-832-1927	02/11/04	5.27 ś 0.580	0.218 ś 0.0550	4.28 ś 0.480

B-40 Building 832 Canyon OU gross alpha and beta in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)
W-830-1807	04/07/04	3.82 ś 2.2	17.4 ś 3
W-830-1829	01/28/04	18.9 ś 5.9	18.6 ś 3.9
W-830-1831	02/10/04	<3.03	10.6 ś 3.3
W-830-1832	02/10/04	<4.65	<7.13
W-832-1927	02/11/04	11.4 ś 4.3	14.7 ś 3.6

B-41 Building 832 Canyon OU high explosive compounds in ground and surface water.

Location	Date	HMX (μg/L)	RDX (μg/L)
W-830-1807	04/07/04	<5	<5
W-830-1829	01/28/04	<0.97	<0.97
W-830-1829	04/29/04	<1	<1
W-830-1830	01/28/04	<1	<1
W-830-1830	04/29/04	<1	<1
W-830-1831	02/10/04	<0.93	<0.93 OL
W-830-1831	04/26/04	<0.98	<0.98
W-830-1832	02/10/04	<0.93	<0.93 OL
W-830-1832	04/26/04	<0.95	<0.95
W-832-1927	02/11/04	<0.97	<0.97 O
W-832-1927	04/26/04	<0.91	<0.91
W-880-01	02/17/04	<5 O	<5 O
W-880-01	07/07/04	<5	<5
W-880-02	02/05/04	<5	<5
W-880-03	02/17/04	<5 O	<5 O
W-880-03	07/07/04	<5	<5

B-42 Building 832 Canyon OU metals in ground and surface 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-830-1829	01/28/04	0.017	0.033	<0.0005	0.0029	<0.005	<0.0002	0.021	<0.001
W-830-1829	04/29/04	0.025	0.03	<0.0005	0.002	<0.005	<0.0002	0.02	<0.001
W-830-1830	01/28/04	0.018	0.073	<0.0005	0.0018	<0.005	<0.0002	0.031	<0.001
W-830-1830	04/29/04	0.017	0.081	<0.0005	<0.001	<0.005	<0.0002	0.022	<0.001
W-830-1831	02/10/04	0.015	<0.025	<0.0005	<0.001	<0.005	<0.0002	0.0052	<0.001
W-830-1831	04/26/04	0.017	<0.025	<0.0005	0.0031	<0.005	<0.0002	0.0048	<0.001
W-830-1832	02/10/04	0.0044	<0.025	<0.0005	<0.001	<0.005	<0.0002	0.0038	<0.001
W-830-1832	04/26/04	0.0046	<0.025	<0.0005	0.003	<0.005	<0.0002	0.0032	<0.001
W-832-05	02/02/04	<0.002	0.063	<0.0005	0.001	<0.005	<0.0002	0.0084	<0.001
W-832-1927	02/11/04	0.021	<0.025	<0.0005	0.0024	<0.005	<0.0002	0.03 L	<0.001
W-832-1927	04/26/04	0.022	<0.025	<0.0005	0.0037	<0.005	<0.0002	0.031	<0.001

B-43 Building 832 Canyon OU general minerals in ground and surface water.

Constituents of concern	W-830-1807 04/14/04	W-830-1829 01/28/04	W-830-1829 04/29/04	W-830-1830 01/28/04	W-830-1830 04/29/04	W-830-1831 02/10/04	W-830-1831 04/26/04	W-830-1832 02/10/04	W-830-1832 04/26/04	W-832-05 02/02/04	W-832-1927 02/11/04	W-832-1927 04/26/04
Total Alkalinity (as CaCO3) (mg/L)	330 DH	150 DH	210 DH	180 DH	160 DH	150 H	180 H	210 H	220 H	150 DH	910 DH	190 H
Aluminum (mg/L)	<0.05	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 H	<0.2 H	<0.2
Bicarbonate Alk (as CaCO3) (mg/L)	320 DH	190 DH	210 DH	180 DH	160 DH	150 H	160 H	210 H	200 H	150 DH	910 DH	180 H
Calcium (mg/L)	25 L	50 L	48	66 L	70	21	24	19	21	27 HL	33 H	40
Carbonate Alk (as CaCO3) (mg/L)	<10 DH	<25 DH	<2 DH	<25 DH	<2 DH	<5 H	17 H	<5 H	12 H	<25 DH	<25 DH	12 H
Chloride (mg/L)	208	340 D	300 D	490 D	480 D	300 D	330	220 D	240	55 D	460 HD	<1
Copper (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 H	<0.05 H	<0.05
Fluoride (mg/L)	1.2	<0.1	0.68	<0.1	0.43	<1 DH	0.61	<1 DH	0.43	<1 D	1.6 DH	0.91
Hydroxide Alk (as CaCO3) (mg/L)	<10 DH	<25 DH	<2 DH	<25 DH	<2 DH	<5 H	<5 H	<5 H	<5 H	<25 DH	<25 DH	<5 H
Iron (mg/L)	0.054	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11 H	<0.1 H	<0.1
Magnesium (mg/L)	12 L	28 L	28	34 L	39	4.1	4.2	3	2.9	6.6 HL	11 H	11
Manganese (mg/L)	0.025 L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.56 H	<0.03 H	<0.03
Nickel (mg/L)	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 H	<0.1 H	<0.1
Nitrate (as N) (mg/L)	22.6 D	15 D	16 D	19 D	15 D	<5 DH	<0.5	<5 DH	0.61	2.3 D	13 DH	17
Nitrate (as NO3) (mg/L)	100 D	67 D	72 D	85 D	67 D	5.5 DH	2.1	6.1 DH	2.7	10 D	59 DH	60 D
Nitrite (as N) (mg/L)	<0.5	<0.5	<0.1 L	<0.5	<0.1 L	<5 DH	<0.5	<5 DH	<0.5	<5 D	<5 DH	<0.5
pH (Units)	8.32	7.9	8.2	7.8	8.2	8	8	8.2	8.1	7.4 H	8	8.1
Ortho-Phosphate (mg/L)	<0.05	<0.5 D	0.09	<0.05	0.02	<0.5 DH	<0.5 D	<0.5 DH	3.4 D	<0.5 D	<0.5 DH	<0.05
Total Phosphorus (as P) (mg/L)	<0.05 H	-	-	-	-	0.4 HLO	-	0.36 HLO	-	14 DHL	0.66 HL	-
Total Phosphorus (as PO4) (mg/L)	-	0.15 H	<0.05	0.27 H	<0.05	-	0.14 H	-	0.11 H	-	-	0.28 H
Potassium (mg/L)	11	21	32	23	37	14	14	15	14	5.2 H	19 H	20
Sodium (mg/L)	270 L	350 L	350 D	370 L	390 D	390 LO	370	370 LO	340	44 HL	390 HL	360
Total dissolved solids (TDS) (mg/L)	1,090 DH	1,300 HL	1,400 H	1,400 HL	1,600 H	1,300 H	1,200	1,200 H	1,200	180 H	1,300 H	1,300
Specific Conductance (μmhos/cm)	1,510	2,200	2,100 H	2,100	2,500 H	1,900 L	1,800 L	1,700 L	1,600 L	190 HO	2,100 L	1,900 L
Sulfate (mg/L)	73	220 D	160 D	160 D	120 D	420 DH	<100 HD	380 DH	<100 HD	42 D	230 DH	<100 HD
Surfactants (mg/L)	<0.5	<0.5 O	<0.5	<0.5 O	<0.5	<0.5 OL	<0.5	<0.5 OL	<0.5	<0.5 L	<0.5 O	<0.5
Total Hardness (as CaCO3) (mg/L)	111	240 H	240 H	310 H	340 H	69 H	76 H	59 H	62 H	94 H	130 H	140 H
Zinc (mg/L)	<0.05	<0.05	<0.05	0.074	0.06	<0.05	<0.05	<0.05	<0.05	<0.05 H	0.13 H	<0.05

B-44 Building 832 Canyon OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
W-830-1829	01/28/04	<99.6
W-830-1830	01/28/04	<104
W-830-1831	02/10/04	<92.8
W-830-1832	02/10/04	<87.3
W-832-1927	02/11/04	<92

B-45 Building 801 firing table and Pit 8 landfill metals in ground water.

Constituents of concern	K8-02B 06/07/04	K8-04 06/07/04
Antimony (mg/L)	<0.06	<0.06
Arsenic (mg/L)	0.017	0.025
Barium (mg/L)	<0.01	<0.01
Beryllium (mg/L)	<0.002 DL	<0.002 DL
Cadmium (mg/L)	<0.005	<0.005
Chromium (mg/L)	0.02	0.01
Cobalt (mg/L)	<0.025	<0.025
Copper (mg/L)	0.04	<0.01
Lead (mg/L)	0.003	<0.003
Mercury (mg/L)	<0.0002	<0.0002
Molybdenum (mg/L)	<0.02	<0.02
Nickel (mg/L)	0.02	<0.02
Selenium (mg/L)	<0.005	0.009
Silver (mg/L)	<0.005	<0.005
Thallium (mg/L)	<0.005	<0.005
Vanadium (mg/L)	<0.5	<0.5
Zinc (mg/L)	0.02	<0.02

B-46 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	06/07/04	44 DH	<4
K8-02B	06/07/04	33 H	<4
K8-03B	06/09/04	1.8	<4
K8-04	06/07/04	53 DH	<4

B-47 Building 801 firing table and Pit 8 landfill fluoride in ground water.

Location	Date	Fluoride (mg/L)
K8-02B	06/07/04	0.05 H
K8-04	06/07/04	<0.05 H

B-48 Building 801 firing table and Pit 8 landfill high explosive compounds in ground water.

Location	Date	HMX (μg/L)	RDX (μg/L)
K8-02B	06/07/04	<1	<1
K8-04	06/07/04	<1	<1

B-49 Building 801 firing table and Pit 8 landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K8-02B	03/09/04	<82.1
K8-02B	06/07/04	<89.9
K8-02B	09/09/04	<88.4
K8-02B	11/08/04	194 ś 54.0
K8-04	03/09/04	<80.9
K8-04	03/09/04 DUP	<78.7
K8-04	06/07/04	<88.6
K8-04	09/09/04	108 ś 57.0
K8-04	11/08/04	136 ś 51.0

B-50 Building 801 firing table and Pit 8 landfill VOCs in ground water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
K8-01	06/07/04	E601	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K8-01	11/08/04	E601	2.2 L	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	-	<3	<0.5
K8-02B	06/07/04	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K8-03B	06/09/04	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K8-03B	11/20/04	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<3	<0.5
K8-04	06/07/04	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5

B-50 Building 801 firing table and Pit 8 landfill VOCs in ground water. (analytes not listed above).

Location	Date	Method	Detection frequency
K8-01	06/07/04	E601	0 of 19
K8-01	11/08/04	E601	0 of 19
K8-02B	06/07/04	E601	0 of 19
K8-03B	06/09/04	E601	0 of 19
K8-03B	11/20/04	E601	0 of 19
K8-04	06/07/04	E601	0 of 19

B-51 Building 833 VOCs in ground water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-833-30	02/17/04	E601	<0.5	<0.5	<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	07/28/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

B-51 Building 833 VOCs in ground water. (analytes not listed above).

Location	Date	Method	Detection frequency
W-833-30	02/17/04	E601	0 of 19
W-833-30	07/28/04	E601	0 of 19

B-52 Building 845 firing table and Pit 9 landfill metals in ground water.

Constituents of concern	K9-01 05/25/04	K9-02 05/25/04	K9-03 05/25/04	K9-04 05/25/04
Antimony (mg/L)	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	<0.005	0.032	0.007	<0.005
Barium (mg/L)	0.01	0.02	0.01	0.01
Beryllium (mg/L)	<0.002 D	<0.002 D	<0.002	<0.002
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005
Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01
Cobalt (mg/L)	<0.025	<0.025	<0.025	<0.025
Copper (mg/L)	<0.01	<0.01	<0.01	<0.01
Lead (mg/L)	<0.003	<0.003	<0.003	<0.003
Lithium (mg/L)	0.0787 O	0.0694 O	0.0904 O	0.0813 O
Mercury (mg/L)	<0.0002 LO	<0.0002 LO	<0.0002 LO	<0.0002 LO
Molybdenum (mg/L)	0.02	0.04	0.03	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)	0.000022 (<0.0010) O	0.000012 (<0.0010) O	0.001 O	0.001 O
Uranium (mg/L)	0.000108 (<0.00027) E	0.00021 (<0.00027) E	0.0004	0.000196 (<0.00027) E
Vanadium (mg/L)	<0.5	<0.5	<0.5	<0.5
Zinc (mg/L)	<0.02	<0.02	<0.02	<0.02

B-53 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	05/25/04	0.2 LO	<4
K9-02	05/25/04	0.2 LO	<4
K9-03	05/25/04	0.3 LO	<4
K9-04	05/25/04	0.3 LO	<4

B-54 Building 845 firing table and Pit 9 landfill fluoride in ground water.

Location	Date	Fluoride (mg/L)
K9-01	05/25/04	0.16 LO
K9-02	05/25/04	<0.05 LO
K9-03	05/25/04	0.17 LO
K9-04	05/25/04	0.23 LO

B-55 Building 845 firing table and Pit 9 landfill high explosive compounds in ground water.

Location	Date	HMX (μg/L)	RDX (μg/L)
K9-01	05/25/04	<1	<1
K9-02	05/25/04	<1	<1
K9-03	05/25/04	<1	<1
K9-04	05/25/04	<1	<1

B-56 Building 845 firing table and Pit 9 landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K9-01	03/04/04	<87.3 L
K9-01	03/04/04 DUP	<88.2 L
K9-01	05/25/04	<85
K9-01	09/15/04	<99.1
K9-01	11/08/04	156 ś 51.0
K9-02	03/04/04	<84.6 L
K9-02	05/25/04	<86.3
K9-02	09/15/04	<102
K9-02	11/08/04	172 ś 53.0
K9-03	03/04/04	<87.8 L
K9-03	05/25/04	<88.2
K9-03	09/15/04	<99.8
K9-03	11/08/04	129 ś 51.0
K9-04	03/04/04	<90.5 L
K9-04	05/25/04	<86.2
K9-04	09/15/04	<100
K9-04	11/09/04	105 ś 49.0

B-57 Building 845 firing table and Pit 9 landfill VOCs in ground water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
K9-01	05/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K9-02	05/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K9-03	05/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5
K9-04	05/25/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5

B-57 Building 845 firing table and Pit 9 landfill VOCs in ground water. (analytes not listed above).

Location	Date	Method	Detection frequency
K9-01	05/25/04	E601	0 of 19
K9-02	05/25/04	E601	0 of 19
K9-03	05/25/04	E601	0 of 19
K9-04	05/25/04	E601	0 of 19

B-58 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 (-)
W-851-05	06/08/04	0.00208 ± 0.000146	0.0850 ± 0.0140	0.0650 ± 0.0140	0.00100 ± 0.0000479	<0.0001	0.0190 ± 0.00100	0.00688 ± 0.000312
W-851-05	11/06/04	0.00364 ± 0.000170	0.0670 ± 0.00500	<0.062 E	0.000571 ± 0.0000180	<0.00004	0.0140 ± 0.000100	0.00656 ± 0.000194
W-851-06	06/08/04	<0.0004 E	0.289 ± 0.0130	0.185 ± 0.0130	0.00300 ± 0.000170	<0.007	0.101 ± 0.00400	0.00534 ± 0.000185
W-851-06	11/06/04	0.00117 ± 0.0000700	0.257 ± 0.0110	0.178 ± 0.0110	0.00300 ± 0.0000400	<0.007 E	0.0760 ± 0.00100	0.00587 ± 0.0000780
W-851-07	06/08/04	<0.0004 E	0.370 ± 0.0490	0.221 ± 0.0490	0.00500 ± 0.000200	<0.007	0.143 ± 0.00400	0.00570 ± 0.000185
W-851-07	11/05/04	<0.0004 E	0.163 ± 0.00800	0.122 ± 0.00800	0.00200 ± 0.0000200	<0.00002	0.0390 ± 0.000200	0.00724 ± 0.0000650
W-851-08	06/08/04	<0.0004 E	0.144 ± 0.00400	<0.237	0.00500 ± 0.000170	<0.00519	0.139 ± 0.00400	0.00571 ± 0.000134
W-851-08	11/05/04	0.00188 ± 0.000100	0.371 ± 0.00900	0.252 ± 0.00900	0.00466 ± 0.0000800	<0.007 E	0.114 ± 0.00100	0.00636 ± 0.0000840

B-59 Building 851 firing table tritium in ground water.

Location	Date	Tritium (pCi/L)
W-851-05	06/08/04	<88
W-851-06	06/08/04	<88.1
W-851-07	06/08/04	<90.3
W-851-08	06/08/04	164 ś 57.0

B-60 Pit 2 landfill metals in ground water.

Constituents of concern	W-PIT2-1934 06/10/04	W-PIT2-1934 09/14/04	W-PIT2-1934 09/23/04	W-PIT2-1935 06/14/04	W-PIT2-1935 09/14/04	W-PIT2-1935 09/23/04	K2-01C 05/25/04	K2-01C 05/25/04	NC2-08 05/12/04	NC2-08 05/12/04
	DWMETALS	T26METALS	CMPTRIMET	DWMETALS	T26METALS	CMPTRIMET	CMPTRIMET	T26METALS	CMPTRIMET	T26METALS
Antimony (mg/L)	-	<0.002 EL	-	-	<0.002 EL	-	-	<0.002	-	<0.06
Arsenic (mg/L)	0.0097	0.0095	-	0.0097	0.0083	-	-	0.0083	-	0.014
Barium (mg/L)	0.031	0.03	-	0.03	0.031	-	-	0.041	-	0.03
Beryllium (mg/L)	-	<0.001	-	-	<0.001	-	-	<0.001	-	<0.002 D
Cadmium (mg/L)	<0.0005	<0.001 E	-	<0.0005	<0.001 E	-	-	<0.001	-	<0.005
Chromium (mg/L)	<0.001	<0.003	-	<0.001	<0.003	-	-	<0.003	-	0.04
Cobalt (mg/L)	-	<0.001 E	-	-	<0.001 E	-	-	<0.001	-	<0.025
Copper (mg/L)	-	<0.002 E	-	-	<0.002 E	-	-	0.02	-	<0.01
Lead (mg/L)	<0.005	<0.001 E	-	<0.005	<0.001 E	-	-	<0.001	-	0.007
Lithium (mg/L)	-	-	0.0203	-	-	0.0216	0.0183 O	-	0.0238	-
Mercury (mg/L)	<0.0002	<0.0002	-	<0.0002	<0.0002	-	-	<0.0002	-	<0.0002
Molybdenum (mg/L)	-	0.0022	-	-	0.0016	-	-	0.0044	-	<0.02
Nickel (mg/L)	-	<0.002 E	-	-	<0.002 E	-	-	<0.002	-	<0.02
Selenium (mg/L)	<0.002	<0.002 E	-	<0.002	<0.002 E	-	-	<0.001	-	<0.005
Silver (mg/L)	<0.001	<0.001 L	-	<0.001	<0.001 LE	-	-	<0.001	-	<0.005
Thallium (mg/L)	-	<0.001 E	-	-	<0.001 E	-	-	<0.001	-	<0.005
Thorium (mg/L)	-	-	<0.001 E	-	-	<0.001	<0.001 O	-	<0.001 E	-
Uranium (mg/L)	-	-	0.0259	-	-	0.00739	0.012	-	0.00377	-
Vanadium (mg/L)	-	0.052	-	-	0.043	-	-	0.051	-	0.072
Zinc (mg/L)	-	0.0055	-	-	0.0059	-	-	0.012	-	<0.02

B-61 Pit 2 landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
W-PIT2-1934	06/10/04	35.5	<4
W-PIT2-1935	06/14/04	32.1	<4
K2-01C	02/04/04	22.8	4.8
K2-01C	05/25/04	28	5.9
K2-01C	12/03/04	-	4.9
NC2-08	05/12/04	36	6

B-62 Pit 2 landfill fluoride in ground water.

Location	Date	Fluoride (mg/L)
W-PIT2-1934	09/14/04	0.27
W-PIT2-1935	09/14/04	0.22
K2-01C	05/25/04	0.31
NC2-08	05/12/04	<0.05

B-63 Pit 2 landfill high explosive compounds in ground water.

Location	Date	HMX (μg/L)	RDX (μg/L)
W-PIT2-1934	09/14/04	<5	<5
W-PIT2-1935	09/14/04	<5	<5
K2-01C	02/04/04	<5	<5
K2-01C	05/25/04	<5	<5
NC2-08	05/12/04	<1	<1

B-64 Pit 2 landfill 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 (-)
W-PIT2-1934	06/10/04	<0.0004	17.2 ± 0.759	8.19 ± 0.759	0.284 ± 0.00309	<0.01278	8.68 ± 0.0000190	0.00510 ± 0.0000550
W-PIT2-1934	09/14/04	<0.0004 E	17.4 ± 0.483	9.07 ± 0.477	0.275 ± 0.00400	0.0135 ± 0.000200	8.04 ± 0.0730	0.00532 ± 0.0000620
W-PIT2-1934	11/20/04	<0.0004 E	13.7 ± 0.432	7.37 ± 0.426	0.213 ± 0.00300	0.0110 ± 0.000500	6.14 ± 0.0670	0.00538 ± 0.0000550
W-PIT2-1935	06/14/04	<0.0004 E	5.08 ± 0.180	<0.062	0.0823 ± 0.000800	<0.007 E	2.04 ± 0.0100	0.00626 ± 0.0000570
W-PIT2-1935	09/14/04	<0.0004 E	5.58 ± 0.231	3.32 ± 0.219	0.0890 ± 0.00400	<0.007 E	2.16 ± 0.0720	0.00640 ± 0.000173
W-PIT2-1935	11/20/04	<0.0004 E	4.60 ± 0.298	2.76 ± 0.297	0.0730 ± 0.00100	<0.007 E	1.76 ± 0.0230	0.00644 ± 0.0000770
K2-01C	05/25/04	<0.0004	6.97 ± 0.350	3.21 ± 0.350	0.143 ± 0.00151	<0.00422	3.62 ± 0.0000220	0.00612 ± 0.0000650
NC2-08	05/12/04	<0.0004	2.85 ± 0.222	1.72 ± 0.222	0.0508 ± 0.000539	<0.00244	1.08 ± 0.0000260	0.00730 ± 0.0000770

B-65 Pit 2 landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
W-PIT2-1934	06/10/04	1,600 ś 180
W-PIT2-1934	09/14/04	1,630 ś 180
W-PIT2-1934	11/20/04	1,600 ś 180
W-PIT2-1935	06/14/04	3,660 ś 380
W-PIT2-1935	09/14/04	2,770 ś 290
W-PIT2-1935	11/20/04	3,000 ś 320
K2-01C	02/04/04	6,640 ś 680
K2-01C	05/25/04	8,480 ś 860
K2-01C	07/22/04	6,100 ś 620
K2-01C	12/03/04	5,660 ś 580
NC2-08	02/24/04	9,500 ś 960
NC2-08	05/12/04	9,560 ś 970
NC2-08	09/07/04	10,400 ś 1,100
NC2-08	11/13/04	11,000 ś 1,100

B-66 Pit 2 landfill VOCs in ground water.

Location	Date	Method	TCE (μg/L)	PCE (μg/L)	Total 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)	Freon 11 (μg/L)	Freon 113 (μg/L)	Methylene chloride (μg/L)	Vinyl chloride (μg/L)
W-PIT2-1934	06/10/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-PIT2-1935	06/14/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K2-01C	02/04/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K2-01C	05/25/04	E601	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
NC2-08	05/12/04	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3	<0.5

B-66 Pit 2 landfill VOCs in ground water. (analytes not listed above).

Location	Date	Method	Detection frequency
W-PIT2-1934	06/10/04	E602	0 of 27
W-PIT2-1935	06/14/04	E602	0 of 26
K2-01C	02/04/04	E601	0 of 20
K2-01C	05/25/04	E601	0 of 20
NC2-08	05/12/04	E601	0 of 19

B-67 Pit 2 landfill uranium isotpes by alpha spectrometry in ground water.

Location	Date	Uranium 234 and Uranium 233 (pCi/L)	Uranium 235 and Uranium 236 (pCi/L)	Uranium 238 (pCi/L)
K2-01C	02/04/04	4.01 ś 0.450	0.147 ś 0.0460	4.06 ś 0.460
K2-01C	05/25/04	3.58 ś 0.420	0.180 ś 0.0540	3.21 ś 0.380
K2-01C	07/22/04	4.03 ś 0.460	0.224 ś 0.0580	3.60 ś 0.410
K2-01C	12/03/04	4.02 ś 0.480	0.186 ś 0.0620	4.00 ś 0.480

Appendix C

Ground Water Elevations Measured During 2004

C-1 Central General Services Area ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35A-01	01/05/04	15.33	493.08	
W-35A-01	04/01/04	15.29	493.12	
W-35A-01	07/01/04	12.91	495.50	
W-35A-01	10/04/04	15.01	493.40	
W-35A-02	01/05/04	14.25	495.45	
W-35A-02	04/01/04	14.02	495.68	
W-35A-02	07/06/04	11.59	498.11	
W-35A-02	10/04/04	13.90	495.80	
W-35A-03	01/13/04	14.53	492.31	
W-35A-03	04/01/04	14.40	492.44	
W-35A-03	07/01/04	11.94	494.90	
W-35A-03	10/04/04	14.00	492.84	
W-35A-04	01/13/04	13.46	490.52	
W-35A-04	04/01/04	13.44	490.54	
W-35A-04	07/01/04	10.82	493.16	
W-35A-04	09/08/04	12.16	491.82	
W-35A-04	09/09/04	12.31	491.67	
W-35A-04	10/04/04	12.89	491.09	
W-35A-05	01/05/04	15.22	492.75	
W-35A-05	04/01/04	15.25	492.72	
W-35A-05	07/01/04	12.81	495.16	
W-35A-05	10/04/04	14.87	493.10	
W-35A-06	01/13/04	13.66	490.66	
W-35A-06	04/01/04	13.60	490.72	
W-35A-06	07/01/04	10.99	493.33	
W-35A-06	10/04/04	13.10	491.22	
W-35A-07	01/05/04	2.45	508.14	
W-35A-07	04/01/04	2.10	508.49	
W-35A-07	07/06/04	1.75	508.84	
W-35A-07	10/04/04	2.58	508.01	
W-35A-08	01/05/04	16.62	501.24	
W-35A-08	04/01/04	16.90	500.96	
W-35A-08	07/06/04	15.72	502.14	
W-35A-08	10/04/04	17.24	500.62	
W-35A-09	01/05/04	17.53	498.02	
W-35A-09	04/01/04	17.46	498.09	
W-35A-09	07/06/04	15.30	500.25	
W-35A-09	10/04/04	17.66	497.89	
W-35A-10	01/05/04	14.49	497.23	
W-35A-10	04/01/04	14.14	497.58	
W-35A-10	07/06/04	12.95	498.77	
W-35A-10	10/04/04	14.90	496.82	
W-35A-11	01/13/04	5.67	499.68	
W-35A-11	04/01/04	5.00	500.35	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35A-11	07/01/04	5.30	500.05	
W-35A-11	10/04/04	6.13	499.22	
W-35A-12	01/13/04	7.79	498.03	
W-35A-12	04/01/04	7.69	498.13	
W-35A-12	07/01/04	6.24	499.58	
W-35A-12	10/04/04	7.69	498.13	
W-35A-13	01/13/04	11.82	491.52	
W-35A-13	04/01/04	11.77	491.57	
W-35A-13	07/01/04	9.45	493.89	
W-35A-13	10/04/04	11.26	492.08	
W-35A-14	01/13/04	14.93	497.60	
W-35A-14	04/01/04	14.63	497.90	
W-35A-14	07/06/04	12.27	500.26	
W-35A-14	10/04/04	14.50	498.03	
W-7A	01/13/04	14.04	511.27	
W-7A	04/05/04	13.82	511.49	
W-7A	07/07/04	13.46	511.85	
W-7A	10/04/04	14.29	511.02	
W-7B	01/05/04	20.01	491.43	
W-7B	04/05/04	19.98	491.46	
W-7B	07/06/04	17.66	493.78	
W-7B	10/04/04	19.59	491.85	
W-7C	01/05/04	13.25	504.62	
W-7C	04/05/04	13.11	504.76	
W-7C	07/06/04	12.24	505.63	
W-7C	10/04/04	12.90	504.97	
W-7E	01/12/04	18.15	491.85	
W-7E	04/05/04	18.02	491.98	
W-7E	07/06/04	15.63	494.37	
W-7E	09/07/04	16.92	493.08	
W-7E	09/08/04	17.01	492.99	
W-7E	10/05/04	17.62	492.38	
W-7ES	01/12/04	17.95	491.76	
W-7ES	04/05/04	17.87	491.84	
W-7ES	07/06/04	15.33	494.38	
W-7ES	09/07/04	16.72	492.99	
W-7ES	09/08/04	16.85	492.86	
W-7ES	10/05/04	17.48	492.23	
W-7F	01/05/04	42.30	484.78	
W-7F	04/15/04	41.65	485.43	
W-7F	07/07/04	27.80	499.28	
W-7F	10/05/04	41.80	485.28	
W-7G	01/06/04	16.89	496.00	
W-7G	04/05/04	16.36	496.53	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-7G	07/07/04	15.57	497.32	
W-7G	10/04/04	16.63	496.26	
W-7H	01/08/04	11.63	499.81	
W-7H	04/06/04	5.97	505.47	
W-7H	07/07/04	11.93	499.51	
W-7H	10/04/04	6.17	505.27	
W-7I	01/13/04	37.84	491.34	MT
W-7I	04/06/04	48.64	480.54	
W-7I	07/19/04	-	529.18	NM/NO ACCESS
W-7I	10/06/04	48.30	480.88	
W-7J	01/06/04	43.91	484.25	
W-7J	04/06/04	43.36	484.80	
W-7J	07/07/04	28.49	499.67	
W-7J	10/06/04	43.98	484.18	
W-7K	01/05/04	13.55	497.38	
W-7K	04/05/04	13.11	497.82	
W-7K	07/06/04	12.33	498.60	
W-7K	10/06/04	13.37	497.56	
W-7L	01/05/04	16.32	496.44	
W-7L	04/05/04	15.96	496.80	
W-7L	07/06/04	15.19	497.57	
W-7L	10/06/04	16.20	496.56	
W-7M	01/12/04	13.73	494.02	
W-7M	04/05/04	13.60	494.15	
W-7M	07/06/04	11.92	495.83	
W-7M	10/06/04	13.41	494.34	
W-7N	01/12/04	16.75	491.43	
W-7N	04/05/04	16.72	491.46	
W-7N	07/06/04	14.34	493.84	
W-7N	10/06/04	16.29	491.89	
W-7O	01/05/04	24.02	492.07	
W-7O	04/05/04	-	-	NM/NA
W-7O	07/19/04	23.37	492.72	
W-7O	10/06/04	-	-	NM/TF UNIT
W-7P	01/05/04	18.68	490.96	
W-7P	04/05/04	18.67	490.97	
W-7P	07/06/04	16.25	493.39	
W-7P	10/06/04	18.21	491.43	
W-7PS	01/12/04	17.63	490.87	
W-7PS	04/05/04	17.45	491.05	
W-7PS	07/06/04	15.16	493.34	
W-7PS	09/01/04	16.31	492.19	
W-7PS	09/02/04	16.36	492.14	
W-7PS	10/06/04	17.21	491.29	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-7Q	01/08/04	23.39	492.23	
W-7Q	04/05/04	23.75	491.87	
W-7Q	07/06/04	21.65	493.97	
W-7Q	10/06/04	24.15	491.47	
W-7R	01/05/04	18.50	490.00	
W-7R	04/05/04	18.54	489.96	
W-7R	07/06/04	15.98	492.52	
W-7R	10/06/04	18.16	490.34	
W-7S	01/05/04	18.04	489.92	
W-7S	04/05/04	17.98	489.98	
W-7S	07/06/04	15.53	492.43	
W-7S	10/06/04	17.63	490.33	
W-7T	01/05/04	17.87	489.99	
W-7T	04/05/04	17.84	490.02	
W-7T	07/06/04	15.35	492.51	
W-7T	10/06/04	17.39	490.47	
W-843-01	01/05/04	119.88	503.88	
W-843-01	04/14/04	119.25	504.51	
W-843-01	07/19/04	120.24	503.52	
W-843-01	10/07/04	120.81	502.95	
W-843-02	01/05/04	101.35	521.24	
W-843-02	04/14/04	101.50	521.09	
W-843-02	07/19/04	100.98	521.61	
W-843-02	10/07/04	101.55	521.04	
W-872-01	01/13/04	31.67	498.97	
W-872-01	04/15/04	33.86	496.78	
W-872-01	07/07/04	30.00	500.64	
W-872-01	10/07/04	32.70	497.94	
W-872-02	01/12/04	34.16	497.61	
W-872-02	04/06/04	34.40	497.37	
W-872-02	07/07/04	33.55	498.22	
W-872-02	10/07/04	-	-	NM
W-873-01	01/05/04	27.90	506.03	
W-873-01	04/06/04	26.86	507.07	
W-873-01	07/07/04	28.75	505.18	
W-873-01	10/12/04	29.53	504.40	
W-873-02	01/06/04	32.37	500.76	
W-873-02	04/06/04	31.24	501.89	
W-873-02	07/07/04	32.25	500.88	
W-873-02	10/12/04	34.96	498.17	MT
W-873-03	01/06/04	29.75	504.04	
W-873-03	04/06/04	29.25	504.54	
W-873-03	07/07/04	30.23	503.56	
W-873-03	10/12/04	31.11	502.68	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-873-04	01/13/04	19.62	511.79	
W-873-04	04/15/04	19.34	512.07	
W-873-04	07/07/04	19.49	511.92	
W-873-04	10/12/04	19.70	511.71	
W-873-06	01/13/04	31.69	500.14	
W-873-06	04/06/04	31.00	500.83	
W-873-06	07/07/04	32.05	499.78	
W-873-06	10/12/04	34.33	497.50	
W-873-07	01/06/04	33.09	498.42	
W-873-07	04/06/04	45.70	485.81	
W-873-07	07/07/04	32.71	498.80	
W-873-07	10/12/04	48.00	483.51	
W-875-01	01/13/04	20.22	512.18	
W-875-01	04/15/04	20.92	511.48	
W-875-01	07/06/04	21.20	511.20	
W-875-01	10/12/04	21.30	511.10	
W-875-02	01/13/04	21.15	510.21	
W-875-02	04/15/04	21.42	509.94	
W-875-02	07/19/04	21.88	509.48	
W-875-02	10/12/04	21.98	509.38	
W-875-03	01/13/04	29.94	498.70	
W-875-03	04/15/04	30.75	497.89	
W-875-03	07/07/04	29.35	499.29	
W-875-03	10/05/04	-	-	DRY
W-875-04	01/13/04	20.32	511.91	
W-875-04	04/15/04	21.44	510.79	
W-875-04	07/07/04	21.71	510.52	
W-875-04	10/05/04	21.54	510.69	
W-875-05	01/06/04	23.12	513.58	
W-875-05	04/15/04	23.02	513.68	
W-875-05	07/07/04	23.15	513.55	
W-875-05	10/05/04	23.28	513.42	
W-875-06	01/13/04	24.91	504.51	
W-875-06	04/15/04	23.66	505.76	
W-875-06	07/07/04	24.50	504.92	
W-875-06	10/05/04	25.30	504.12	
W-875-07	01/12/04	33.98	494.46	
W-875-07	04/06/04	33.41	495.03	
W-875-07	07/07/04	-	-	NM/UC
W-875-07	10/05/04	33.92	494.52	
W-875-08	01/12/04	40.46	487.69	
W-875-08	04/06/04	50.97	477.18	
W-875-08	07/07/04	-	-	NM/UC
W-875-08	10/05/04	-	-	DRY

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-875-09	01/12/04	38.64	490.91	
W-875-09	04/06/04	-	-	DRY
W-875-09	07/07/04	-	-	NM/UC
W-875-09	10/05/04	-	-	DRY
W-875-10	01/12/04	37.66	491.66	
W-875-10	04/06/04	-	-	DRY
W-875-10	07/07/04	-	-	NM/UC
W-875-10	10/05/04	-	-	DRY
W-875-11	01/13/04	38.15	491.01	
W-875-11	04/06/04	39.98	489.18	
W-875-11	07/07/04	28.75	500.41	
W-875-11	10/05/04	40.52	488.64	
W-875-15	01/12/04	-	-	DRY
W-875-15	04/06/04	-	-	DRY
W-875-15	07/07/04	-	-	NM/UC
W-875-15	10/05/04	-	-	DRY
W-876-01	01/06/04	22.64	515.34	
W-876-01	04/15/04	23.25	514.73	
W-876-01	07/07/04	24.10	513.88	
W-876-01	10/05/04	24.47	513.51	
W-879-01	01/13/04	38.34	513.98	
W-879-01	04/20/04	37.89	514.43	
W-879-01	07/19/04	37.73	514.59	
W-879-01	10/20/04	38.58	513.74	
W-889-01	01/05/04	38.97	514.66	
W-889-01	04/20/04	38.89	514.74	
W-889-01	07/19/04	38.92	514.71	
W-889-01	10/20/04	39.00	514.63	
W-CGSA-1732	01/13/04	-	-	DRY
W-CGSA-1732	04/05/04	-	-	DRY
W-CGSA-1732	07/07/04	-	-	DRY
W-CGSA-1732	10/12/04	-	-	DRY
W-CGSA-1733	01/05/04	19.98	493.27	
W-CGSA-1733	04/05/04	19.96	493.29	
W-CGSA-1733	07/06/04	17.59	495.66	
W-CGSA-1733	10/12/04	19.41	493.84	
W-CGSA-1735	01/05/04	-	-	DRY
W-CGSA-1735	04/05/04	-	-	DRY
W-CGSA-1735	07/06/04	-	-	DRY
W-CGSA-1735	10/12/04	-	-	DRY
W-CGSA-1736	01/05/04	19.29	488.28	
W-CGSA-1736	04/05/04	19.47	488.10	
W-CGSA-1736	07/06/04	16.85	490.72	
W-CGSA-1736	10/12/04	18.83	488.74	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-CGSA-1737	01/12/04	16.20	488.68	
W-CGSA-1737	04/05/04	16.22	488.66	
W-CGSA-1737	07/06/04	13.78	491.10	
W-CGSA-1737	10/12/04	15.79	489.09	
W-CGSA-1739	01/05/04	19.21	492.81	
W-CGSA-1739	04/05/04	18.66	493.36	
W-CGSA-1739	07/06/04	17.95	494.07	
W-CGSA-1739	10/12/04	19.01	493.01	

C-2 Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-1709	01/05/04	22.21	994.21	
W-834-1709	04/08/04	20.52	995.90	
W-834-1709	07/08/04	22.16	994.26	
W-834-1709	10/07/04	23.47	992.95	
W-834-1711	01/05/04	36.39	980.41	
W-834-1711	04/08/04	36.02	980.78	
W-834-1711	07/08/04	35.53	981.27	
W-834-1711	10/07/04	35.69	981.11	
W-834-1712	01/05/04	-	-	DRY
W-834-1712	04/08/04	-	-	DRY
W-834-1712	07/08/04	-	-	DRY
W-834-1712	10/07/04	-	-	DRY
W-834-1824	04/08/04	37.51	923.27	
W-834-1824	07/07/04	38.15	922.63	
W-834-1824	10/06/04	38.80	921.98	
W-834-1825	04/08/04	37.00	920.67	
W-834-1825	07/07/04	37.92	919.75	
W-834-1825	10/06/04	38.65	919.02	
W-834-1833	04/08/04	37.76	918.35	
W-834-1833	07/07/04	38.28	917.83	
W-834-1833	10/06/04	38.95	917.16	
W-834-2001	07/08/04	20.46	991.76	
W-834-2001	10/07/04	22.26	989.96	
W-834-A1	01/05/04	33.81	981.28	CB
W-834-A1	04/06/04	30.58	984.51	CB
W-834-A1	07/08/04	29.35	985.74	CB
W-834-A1	10/06/04	30.30	984.79	CB
W-834-A2	01/05/04	-	-	DRY
W-834-A2	04/06/04	17.91	997.57	
W-834-A2	07/08/04	-	-	DRY
W-834-A2	10/06/04	-	-	DRY
W-834-B2	01/06/04	-	-	DRY
W-834-B2	04/06/04	17.42	1000.97	
W-834-B2	07/08/04	-	-	DRY
W-834-B2	10/07/04	16.24	1002.15	
W-834-B3	01/06/04	7.12	1011.03	
W-834-B3	04/08/04	9.51	1008.64	
W-834-B3	07/08/04	11.87	1006.28	
W-834-B3	10/07/04	11.24	1006.91	
W-834-B4	01/06/04	-	-	DRY
W-834-B4	04/08/04	13.26	1002.31	
W-834-B4	07/08/04	14.73	1000.84	
W-834-B4	10/06/04	-	1015.57	DRY
W-834-C2	01/06/04	18.58	1001.22	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-C2	04/08/04	18.51	1001.29	
W-834-C2	07/08/04	-	-	DRY
W-834-C2	10/06/04	-	-	DRY
W-834-C4	01/06/04	7.45	1011.95	
W-834-C4	04/08/04	8.29	1011.11	
W-834-C4	07/08/04	10.72	1008.68	
W-834-C4	10/06/04	11.59	1007.81	
W-834-C5	01/06/04	11.15	1004.52	
W-834-C5	04/08/04	10.53	1005.14	
W-834-C5	07/08/04	12.83	1002.84	
W-834-C5	10/07/04	13.72	1001.95	
W-834-D10	01/05/04	34.64	983.54	
W-834-D10	04/06/04	34.81	983.37	
W-834-D10	07/08/04	34.57	983.61	
W-834-D10	10/07/04	34.93	983.25	
W-834-D11	01/05/04	24.21	993.33	
W-834-D11	04/06/04	23.14	994.40	
W-834-D11	07/08/04	224.11	793.43	
W-834-D11	10/07/04	24.16	993.38	
W-834-D12	01/05/04	28.62	987.67	
W-834-D12	04/06/04	26.96	989.33	
W-834-D12	07/08/04	27.97	988.32	
W-834-D12	10/07/04	29.27	987.02	PUMPING
W-834-D13	01/05/04	28.32	989.67	
W-834-D13	04/08/04	26.56	991.43	
W-834-D13	07/08/04	27.60	990.39	
W-834-D13	10/07/04	29.02	988.97	PUMPING
W-834-D14	01/05/04	-	-	DRY
W-834-D14	04/06/04	26.86	991.51	
W-834-D14	07/08/04	28.23	990.14	
W-834-D14	10/07/04	29.89	988.48	
W-834-D15	01/05/04	23.09	995.07	
W-834-D15	04/06/04	21.88	996.28	
W-834-D15	07/08/04	26.81	991.35	
W-834-D15	10/07/04	24.50	993.66	
W-834-D16	01/06/04	-	-	DRY
W-834-D16	04/08/04	-	-	DRY
W-834-D16	07/08/04	-	-	DRY
W-834-D16	10/06/04	-	-	DRY
W-834-D17	01/06/04	-	-	DRY
W-834-D17	04/08/04	33.40	983.82	
W-834-D17	07/07/04	-	-	DRY
W-834-D17	10/06/04	-	-	DRY
W-834-D18	01/06/04	26.77	991.69	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-D18	04/08/04	26.80	991.66	
W-834-D18	07/07/04	26.77	991.69	
W-834-D18	10/06/04	27.11	991.35	
W-834-D2	01/06/04	-	-	DRY
W-834-D2	04/08/04	-	-	DRY
W-834-D2	07/08/04	-	-	DRY
W-834-D2	10/07/04	-	-	DRY
W-834-D3	01/05/04	26.30	992.25	
W-834-D3	04/08/04	24.77	993.78	
W-834-D3	07/08/04	25.84	992.71	
W-834-D3	10/06/04	27.16	991.39	
W-834-D4	01/05/04	26.94	991.42	
W-834-D4	04/08/04	24.92	993.44	
W-834-D4	07/08/04	26.16	992.20	
W-834-D4	10/06/04	35.97	982.39	PUMPING
W-834-D5	01/05/04	28.40	990.07	
W-834-D5	04/06/04	26.41	992.06	
W-834-D5	07/08/04	27.98	990.49	
W-834-D5	10/07/04	32.84	985.63	PUMPING
W-834-D6	01/05/04	-	-	DRY
W-834-D6	04/06/04	27.26	991.02	
W-834-D6	07/08/04	28.47	989.81	
W-834-D6	10/07/04	34.19	984.09	PUMPING
W-834-D7	01/05/04	27.25	986.67	
W-834-D7	04/06/04	25.96	987.96	
W-834-D7	07/08/04	26.88	987.04	
W-834-D7	10/07/04	21.39	992.53	PUMPING
W-834-D9A	01/05/04	-	-	DRY
W-834-D9A	04/08/04	-	-	DRY
W-834-D9A	07/08/04	-	-	DRY
W-834-D9A	10/07/04	-	-	DRY
W-834-G3	01/06/04	-	-	DRY
W-834-G3	04/08/04	-	-	DRY
W-834-G3	07/08/04	-	-	DRY
W-834-G3	10/06/04	-	-	DRY
W-834-H2	01/06/04	31.57	995.20	
W-834-H2	04/08/04	31.43	995.34	
W-834-H2	07/08/04	31.13	995.64	
W-834-H2	10/07/04	31.56	995.21	
W-834-J1	01/06/04	30.06	992.39	
W-834-J1	04/08/04	29.47	992.98	
W-834-J1	07/08/04	29.59	992.86	
W-834-J1	10/07/04	30.49	991.96	PUMPING
W-834-J2	01/06/04	31.11	991.74	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-J2	04/08/04	30.19	992.66	
W-834-J2	07/08/04	30.47	992.38	
W-834-J2	10/07/04	32.06	990.79	
W-834-J3	01/06/04	74.64	963.79	
W-834-J3	04/08/04	74.96	963.47	
W-834-J3	07/07/04	74.71	963.72	
W-834-J3	10/06/04	75.03	963.40	
W-834-K1A	01/06/04	-	-	DRY
W-834-K1A	04/08/04	29.95	968.09	
W-834-K1A	07/08/04	-	-	DRY
W-834-K1A	10/07/04	-	-	DRY
W-834-M1	01/06/04	61.32	963.19	
W-834-M1	04/08/04	57.82	966.69	
W-834-M1	07/08/04	59.78	964.73	
W-834-M1	10/06/04	60.10	964.41	
W-834-M2	01/20/04	-	-	DRY
W-834-M2	04/08/04	-	-	DRY
W-834-M2	07/08/04	-	-	DRY
W-834-M2	10/07/04	-	-	DRY
W-834-S1	01/06/04	31.41	970.27	
W-834-S1	04/08/04	31.99	969.69	
W-834-S1	07/07/04	31.87	969.81	
W-834-S1	10/07/04	34.85	967.23	PUMPING
W-834-S10	01/06/04	-	-	DRY
W-834-S10	04/08/04	-	-	DRY
W-834-S10	07/07/04	-	-	DRY
W-834-S10	10/07/04	-	-	DRY
W-834-S12A	01/06/04	-	-	DRY
W-834-S12A	04/08/04	-	-	DRY
W-834-S12A	07/07/04	-	-	DRY
W-834-S12A	10/14/04	50.75	953.98	
W-834-S13	01/06/04	46.65	956.08	
W-834-S13	04/08/04	46.59	956.14	
W-834-S13	07/07/04	46.51	956.22	
W-834-S13	10/14/04	46.92	955.81	
W-834-S4	01/06/04	78.32	947.63	
W-834-S4	04/08/04	78.13	947.82	
W-834-S4	07/07/04	78.36	947.59	
W-834-S4	10/06/04	78.35	947.60	
W-834-S5	01/20/04	-	-	DRY
W-834-S5	04/08/04	-	-	DRY
W-834-S5	07/08/04	-	-	DRY
W-834-S5	10/07/04	-	-	DRY
W-834-S6	01/20/04	32.51	896.91	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-S6	04/08/04	32.64	896.78	
W-834-S6	07/08/04	32.66	896.76	
W-834-S6	10/07/04	32.81	896.61	
W-834-S7	01/20/04	48.10	890.47	
W-834-S7	04/08/04	48.10	890.47	
W-834-S7	07/08/04	48.23	890.34	
W-834-S7	10/07/04	48.40	890.17	
W-834-S8	01/06/04	56.41	946.31	
W-834-S8	04/08/04	56.17	946.55	
W-834-S8	07/08/04	55.57	947.15	
W-834-S8	10/06/04	56.08	946.64	
W-834-S9	01/06/04	55.95	944.55	
W-834-S9	04/08/04	54.90	945.60	
W-834-S9	07/08/04	54.26	946.24	
W-834-S9	10/06/04	54.67	945.83	
W-834-T1	01/05/04	314.02	644.90	
W-834-T1	04/08/04	313.82	645.10	
W-834-T1	07/12/04	313.89	645.03	
W-834-T1	10/06/04	314.21	644.71	
W-834-T11	01/05/04	-	-	DRY
W-834-T11	04/08/04	-	-	DRY
W-834-T11	07/12/04	-	-	DRY
W-834-T11	10/07/04	-	-	DRY
W-834-T2	01/05/04	40.41	917.55	
W-834-T2	04/08/04	38.90	919.06	
W-834-T2	07/07/04	39.32	918.64	
W-834-T2	10/06/04	39.99	917.97	
W-834-T2A	01/05/04	39.22	919.56	
W-834-T2A	04/08/04	37.12	921.66	
W-834-T2A	07/07/04	37.89	920.89	
W-834-T2A	10/06/04	38.68	920.10	
W-834-T2B	01/05/04	-	-	DRY
W-834-T2B	04/08/04	-	-	DRY
W-834-T2B	07/07/04	-	-	DRY
W-834-T2B	10/06/04	-	-	DRY
W-834-T2C	01/06/04	-	-	DRY
W-834-T2C	04/08/04	-	-	DRY
W-834-T2C	07/07/04	-	-	DRY
W-834-T2C	10/06/04	-	-	DRY
W-834-T2D	01/05/04	36.46	917.93	
W-834-T2D	04/08/04	35.09	919.30	
W-834-T2D	07/08/04	35.47	918.92	
W-834-T2D	10/07/04	36.50	917.89	
W-834-T3	01/05/04	326.55	605.99	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-T3	04/08/04	325.86	606.68	
W-834-T3	07/12/04	326.04	606.50	
W-834-T3	10/07/04	326.49	606.05	
W-834-T5	01/07/04	76.62	854.35	
W-834-T5	04/14/04	76.78	854.19	
W-834-T5	07/07/04	76.72	854.25	
W-834-T5	10/05/04	76.78	854.19	
W-834-T7A	01/08/04	76.24	843.64	
W-834-T7A	04/14/04	76.31	843.57	
W-834-T7A	07/12/04	76.17	843.71	
W-834-T7A	10/07/04	76.32	843.56	
W-834-T8A	01/20/04	-	-	DRY
W-834-T8A	04/08/04	-	-	DRY
W-834-T8A	07/08/04	-	-	DRY
W-834-T8A	10/07/04	-	-	DRY
W-834-T9	01/06/04	-	-	DRY
W-834-T9	04/08/04	-	-	DRY
W-834-T9	07/07/04	-	-	DRY
W-834-T9	10/06/04	-	-	DRY
W-834-U1	01/06/04	28.11	984.15	CB
W-834-U1	04/06/04	23.30	988.96	CB
W-834-U1	07/08/04	23.57	988.69	CB
W-834-U1	10/06/04	25.07	987.19	CB

C-3 Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
BC6-10	01/12/04	27.11	660.44	
BC6-10	04/05/04	27.53	660.02	
BC6-10	07/08/04	27.21	660.34	
BC6-10	10/05/04	27.78	659.77	
BC6-13	01/12/04	-	-	DRY
BC6-13	04/05/04	-	-	DRY
BC6-13	07/08/04	-	-	DRY
BC6-13	10/05/04	-	-	DRY
CARNRW1	01/12/04	26.01	652.72	
CARNRW1	04/05/04	32.01	646.72	
CARNRW1	07/14/04	32.46	646.27	
CARNRW1	10/04/04	30.64	648.09	
CARNRW3	01/07/04	32.98	670.02	
CARNRW3	04/05/04	36.01	666.99	
CARNRW3	07/14/04	37.01	665.99	
CARNRW3	10/04/04	35.76	667.24	
CARNRW4	01/05/04	12.98	638.77	
CARNRW4	04/05/04	5.96	645.79	
CARNRW4	07/01/04	10.18	641.57	
CARNRW4	10/04/04	13.98	637.77	
EP6-06	01/12/04	27.64	660.47	
EP6-06	04/05/04	29.81	658.30	
EP6-06	07/08/04	32.76	655.35	
EP6-06	10/05/04	31.77	656.34	
EP6-07	01/12/04	51.75	655.80	
EP6-07	04/05/04	53.21	654.34	
EP6-07	07/13/04	54.27	653.28	
EP6-07	10/05/04	52.66	654.89	
EP6-08	01/12/04	52.81	655.60	
EP6-08	04/05/04	54.56	653.85	
EP6-08	07/13/04	55.06	653.35	
EP6-08	10/05/04	53.82	654.59	
EP6-09	01/12/04	31.32	662.96	
EP6-09	04/05/04	31.11	663.17	
EP6-09	07/08/04	30.82	663.46	
EP6-09	10/05/04	30.80	663.48	
K6-01	01/12/04	28.45	663.16	
K6-01	04/05/04	28.32	663.29	
K6-01	07/08/04	28.13	663.48	
K6-01	10/05/04	27.99	663.62	
K6-01S	01/12/04	29.53	662.99	
K6-01S	04/05/04	29.40	663.12	
K6-01S	07/08/04	29.10	663.42	
K6-01S	10/05/04	28.98	663.54	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K6-03	01/12/04	70.94	655.81	
K6-03	04/01/04	69.74	657.01	
K6-03	07/13/04	73.41	653.34	
K6-03	10/05/04	71.86	654.89	
K6-04	01/12/04	52.27	656.05	
K6-04	04/01/04	50.65	657.67	
K6-04	07/13/04	54.08	654.24	
K6-04	10/05/04	53.01	655.31	
K6-14	01/12/04	26.58	654.29	
K6-14	04/05/04	23.51	657.36	
K6-14	07/08/04	24.90	655.97	
K6-14	10/05/04	25.85	655.02	
K6-15	01/12/04	-	-	DRY
K6-15	04/05/04	-	-	DRY
K6-15	07/08/04	-	-	DRY
K6-15	10/05/04	-	-	DRY
K6-16	01/12/04	19.12	660.33	
K6-16	04/05/04	18.77	660.68	
K6-16	07/08/04	19.44	660.01	
K6-16	10/05/04	19.82	659.63	
K6-17	01/12/04	19.54	659.17	
K6-17	04/05/04	18.49	660.22	
K6-17	07/08/04	20.73	657.98	
K6-17	10/05/04	23.46	655.25	
K6-18	01/12/04	25.55	660.05	
K6-18	04/05/04	25.51	660.09	
K6-18	07/13/04	25.66	659.94	
K6-18	10/06/04	25.74	659.86	
K6-19	01/12/04	30.39	662.65	
K6-19	04/05/04	29.96	663.08	
K6-19	07/08/04	29.76	663.28	
K6-19	10/05/04	29.78	663.26	
K6-21	01/12/04	-	-	DRY
K6-21	04/05/04	-	-	DRY
K6-21	07/08/04	-	-	DRY
K6-21	10/05/04	-	-	DRY
K6-22	01/12/04	34.22	647.31	
K6-22	04/05/04	-	-	DRY
K6-22	07/08/04	-	-	DRY
K6-22	10/05/04	34.94	646.59	
K6-23	01/12/04	23.55	657.44	
K6-23	04/01/04	23.41	657.58	
K6-23	07/08/04	23.99	657.00	
K6-23	10/06/04	24.35	656.64	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K6-24	01/12/04	31.70	655.23	
K6-24	04/05/04	33.68	653.25	
K6-24	07/13/04	34.24	652.69	
K6-24	10/06/04	32.72	654.21	
K6-25	01/12/04	19.53	660.22	
K6-25	04/05/04	19.20	660.55	
K6-25	07/13/04	19.72	660.03	
K6-25	10/05/04	20.15	659.60	
K6-26	01/12/04	31.87	655.46	
K6-26	04/05/04	33.61	653.72	
K6-26	07/13/04	34.41	652.92	
K6-26	10/06/04	32.83	654.50	
K6-27	01/12/04	32.66	654.53	
K6-27	04/05/04	34.80	652.39	
K6-27	07/13/04	35.74	651.45	
K6-27	10/06/04	33.69	653.50	
K6-32	01/15/04	72.85	656.61	
K6-32	04/05/04	71.40	658.06	
K6-32	07/13/04	74.72	654.74	
K6-32	10/06/04	73.61	655.85	
K6-33	01/15/04	30.22	652.02	
K6-33	04/01/04	30.14	652.10	
K6-33	07/08/04	33.72	648.52	
K6-33	10/06/04	31.84	650.40	
K6-34	01/15/04	52.67	650.61	
K6-34	04/01/04	50.95	652.33	
K6-34	07/08/04	54.27	649.01	
K6-34	10/05/04	54.38	648.90	
K6-35	01/12/04	37.27	656.73	
K6-35	04/05/04	39.01	654.99	
K6-35	07/13/04	39.92	654.08	
K6-35	10/05/04	38.34	655.66	
K6-36	01/15/04	-	-	DRY/CB
K6-36	04/05/04	-	-	DRY/CB
K6-36	07/13/04	-	-	DRY/CB
K6-36	10/05/04	-	-	DRY/CB
W-33C-01	01/15/04	17.13	635.38	
W-33C-01	04/05/04	8.99	643.52	
W-33C-01	07/01/04	12.11	640.40	
W-33C-01	10/04/04	18.65	633.86	
W-34-01	01/20/04	7.22	677.24	
W-34-01	04/05/04	7.32	677.14	
W-34-01	07/12/04	7.39	677.07	
W-34-01	10/23/04	7.68	676.78	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-34-02	01/20/04	27.85	657.01	
W-34-02	04/05/04	28.88	655.98	
W-34-02	07/12/04	29.50	655.36	
W-34-02	10/23/04	28.95	655.91	
W-PIT6-1819	01/21/04	63.34	663.66	
W-PIT6-1819	04/01/04	64.79	662.21	
W-PIT6-1819	07/08/04	68.43	658.57	
W-PIT6-1819	10/05/04	67.74	648.13	

C-4 High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35B-01	01/07/04	18.60	504.42	
W-35B-01	04/01/04	18.66	504.36	
W-35B-01	07/06/04	18.00	505.02	
W-35B-01	10/04/04	18.92	504.10	
W-35B-02	01/07/04	18.40	504.63	
W-35B-02	04/01/04	18.42	504.61	
W-35B-02	07/06/04	16.98	506.05	
W-35B-02	10/04/04	18.44	504.59	
W-35B-03	01/07/04	16.65	506.45	
W-35B-03	04/01/04	16.63	506.47	
W-35B-03	07/06/04	16.24	506.86	
W-35B-03	10/04/04	17.55	505.55	
W-35B-04	01/07/04	-	-	FL
W-35B-04	04/01/04	-	-	FL
W-35B-04	07/06/04	2.55	526.41	
W-35B-04	10/04/04	1.98	526.98	
W-35B-05	01/07/04	-	-	FL
W-35B-05	04/01/04	0.54	528.19	
W-35B-05	07/06/04	1.90	526.83	
W-35B-05	10/04/04	1.43	527.30	
W-35C-01	01/21/04	-	-	FL
W-35C-01	04/13/04	-	-	FL
W-35C-01	07/01/04	-	-	FL
W-35C-01	10/04/04	-	-	FL
W-35C-02	01/20/04	54.21	518.59	
W-35C-02	04/13/04	47.14	525.66	
W-35C-02	07/19/04	67.00	505.80	
W-35C-02	10/04/04	-	-	NM/MUDDY
W-35C-04	01/06/04	-	-	FL
W-35C-04	04/06/04	-	-	FL
W-35C-04	07/06/04	-	-	FL
W-35C-04	10/04/04	-	-	FL
W-35C-05	01/06/04	23.45	508.50	
W-35C-05	04/06/04	24.73	507.22	
W-35C-05	07/06/04	22.57	509.38	
W-35C-05	10/04/04	22.67	509.28	
W-35C-06	01/06/04	25.21	506.71	
W-35C-06	04/06/04	24.40	507.52	
W-35C-06	07/06/04	22.35	509.57	
W-35C-06	10/04/04	24.76	507.16	
W-35C-07	01/06/04	-	-	FL
W-35C-07	04/06/04	-	-	FL
W-35C-07	07/06/04	-	-	FL
W-35C-07	10/04/04	-	-	FL

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35C-08	01/06/04	24.75	507.54	
W-35C-08	04/06/04	23.80	508.49	
W-35C-08	07/06/04	21.51	510.78	
W-35C-08	10/04/04	23.76	508.53	
W-4A	01/12/04	1.91	528.56	
W-4A	04/07/04	2.96	527.51	
W-4A	07/19/04	3.56	526.91	
W-4A	10/05/04	0.92	529.55	
W-4AS	01/12/04	5.81	525.84	
W-4AS	04/07/04	5.98	525.67	
W-4AS	07/19/04	6.25	525.40	
W-4AS	10/05/04	7.78	523.87	
W-4B	01/06/04	-	-	FL
W-4B	04/08/04	-	-	FL
W-4B	07/06/04	-	-	FL
W-4B	10/05/04	-	-	FL
W-4C	01/06/04	10.92	518.86	
W-4C	04/07/04	7.66	522.12	
W-4C	07/06/04	15.26	514.52	
W-4C	10/05/04	16.20	513.58	
W-6BD	01/21/04	23.70	509.57	
W-6BD	04/20/04	22.35	510.92	
W-6BD	07/06/04	21.14	512.13	
W-6BD	10/05/04	23.56	509.71	
W-6BS	01/21/04	23.13	510.10	
W-6BS	04/20/04	22.35	510.88	
W-6BS	07/06/04	21.00	512.23	
W-6BS	10/05/04	23.54	509.69	
W-6CD	01/14/04	28.09	551.95	
W-6CD	04/13/04	28.03	552.01	
W-6CD	07/19/04	28.02	552.02	
W-6CD	10/05/04	29.46	550.58	
W-6CI	01/14/04	27.71	552.80	
W-6CI	04/13/04	27.64	552.87	
W-6CI	07/19/04	27.85	552.66	
W-6CI	10/05/04	29.34	551.17	
W-6CS	01/14/04	26.11	553.57	
W-6CS	04/13/04	28.62	551.06	
W-6CS	07/19/04	30.19	549.49	
W-6CS	10/05/04	30.53	549.15	
W-6EI	01/06/04	-	-	FL
W-6EI	04/06/04	-	-	FL
W-6EI	07/06/04	-	-	FL
W-6EI	10/05/04	-	-	FL

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-6ER	01/21/04	-	-	FL
W-6ER	04/06/04	-	-	FL
W-6ER	07/06/04	-	-	FL
W-6ER	10/05/04	-	-	FL
W-6ES	01/06/04	25.09	506.40	
W-6ES	04/06/04	24.31	507.18	
W-6ES	07/06/04	22.29	509.20	
W-6ES	10/05/04	24.57	506.92	
W-6F	01/14/04	58.21	560.65	
W-6F	04/13/04	57.57	561.29	
W-6F	07/19/04	58.01	560.85	
W-6F	10/05/04	59.18	559.68	
W-6G	01/14/04	58.67	561.25	
W-6G	04/13/04	58.04	561.88	
W-6G	07/19/04	58.32	561.60	
W-6G	10/05/04	59.50	560.42	
W-6H	01/20/04	5.72	555.62	
W-6H	04/13/04	5.97	555.37	
W-6H	07/01/04	5.89	555.45	
W-6H	10/05/04	7.69	553.65	
W-6I	01/20/04	26.04	535.25	
W-6I	04/13/04	25.36	535.93	
W-6I	07/01/04	27.73	533.56	
W-6I	10/05/04	28.12	533.17	
W-6J	01/20/04	6.21	553.15	
W-6J	04/13/04	6.49	552.87	
W-6J	07/06/04	6.32	553.04	
W-6J	10/05/04	8.15	551.21	
W-6K	01/05/04	-	-	FL
W-6K	04/06/04	-	-	FL
W-6K	07/06/04	-	-	FL
W-6K	10/05/04	-	-	FL
W-6L	01/05/04	-	-	FL
W-6L	04/06/04	-	-	FL
W-6L	07/06/04	-	-	FL
W-6L	10/05/04	-	-	FL
W-806-06A	01/20/04	125.15	696.16	
W-806-06A	04/13/04	124.97	696.34	
W-806-06A	07/15/04	125.55	695.76	
W-806-06A	10/05/04	125.28	696.03	
W-806-07	01/20/04	-	-	DRY
W-806-07	04/13/04	-	-	DRY
W-806-07	07/15/04	-	-	DRY
W-806-07	10/05/04	-	-	DRY

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-808-01	01/08/04	48.93	853.08	
W-808-01	04/13/04	47.60	854.41	
W-808-01	07/15/04	47.72	854.29	
W-808-01	10/04/04	46.82	855.19	
W-808-02	01/08/04	-	-	DRY
W-808-02	04/13/04	-	-	DRY
W-808-02	07/15/04	-	-	DRY
W-808-02	10/04/04	-	-	DRY
W-808-03	01/08/04	295.67	607.22	
W-808-03	04/13/04	295.61	607.28	
W-808-03	07/15/04	295.71	607.18	
W-808-03	10/04/04	295.73	607.16	
W-809-01	01/08/04	68.01	722.22	
W-809-01	04/13/04	63.03	727.20	
W-809-01	07/15/04	68.05	722.18	
W-809-01	10/04/04	68.17	722.06	
W-809-02	01/08/04	139.81	652.01	
W-809-02	04/13/04	139.91	651.91	
W-809-02	07/15/04	140.09	651.73	
W-809-02	10/04/04	140.11	651.71	
W-809-03	01/08/04	104.86	641.21	
W-809-03	04/13/04	105.16	640.91	
W-809-03	07/15/04	105.23	640.84	
W-809-03	10/04/04	105.39	640.68	
W-809-04	01/08/04	70.12	705.93	
W-809-04	04/13/04	76.17	699.88	
W-809-04	07/15/04	80.29	695.76	
W-809-04	10/04/04	238.10	537.95	
W-810-01	01/20/04	237.92	603.11	
W-810-01	04/13/04	237.54	603.49	
W-810-01	07/15/04	237.86	603.17	
W-810-01	10/05/04	237.76	603.27	
W-814-01	01/15/04	110.29	698.54	
W-814-01	04/14/04	110.06	698.77	
W-814-01	07/08/04	110.29	698.54	
W-814-01	10/05/04	110.23	698.60	
W-814-02	01/15/04	162.27	631.41	
W-814-02	04/14/04	162.81	630.87	
W-814-02	07/08/04	162.97	630.71	
W-814-02	10/05/04	163.10	630.58	
W-814-03	01/08/04	-	-	DRY
W-814-03	04/14/04	-	-	DRY
W-814-03	07/08/04	-	-	DRY
W-814-03	10/05/04	-	-	DRY

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-814-04	01/08/04	234.23	580.46	
W-814-04	04/14/04	233.31	581.38	
W-814-04	07/08/04	233.10	581.59	
W-814-04	10/05/04	234.25	580.44	
W-815-01	01/08/04	-	-	DRY
W-815-01	04/13/04	-	-	DRY
W-815-01	07/15/04	-	-	DRY
W-815-01	10/04/04	-	-	DRY
W-815-02	01/08/04	89.50	632.11	
W-815-02	04/13/04	99.30	622.31	
W-815-02	07/15/04	99.90	621.71	
W-815-02	10/04/04	101.80	619.81	
W-815-03	01/08/04	-	-	DRY
W-815-03	04/13/04	-	-	DRY
W-815-03	07/15/04	-	-	DRY
W-815-03	10/04/04	-	-	DRY
W-815-04	01/08/04	84.62	638.03	
W-815-04	04/13/04	85.03	637.62	
W-815-04	07/15/04	85.45	637.20	
W-815-04	10/04/04	85.67	636.98	
W-815-05	01/08/04	32.49	679.72	
W-815-05	04/13/04	29.16	683.05	
W-815-05	07/15/04	31.34	680.87	
W-815-05	10/04/04	31.94	680.27	
W-815-06	01/15/04	131.47	624.51	
W-815-06	04/14/04	131.80	624.18	
W-815-06	07/08/04	131.92	624.06	
W-815-06	10/06/04	132.29	623.69	
W-815-07	01/15/04	139.65	623.02	
W-815-07	04/14/04	139.89	622.78	
W-815-07	07/08/04	140.00	622.67	
W-815-07	10/06/04	140.32	622.35	
W-815-08	01/08/04	124.79	599.00	
W-815-08	04/13/04	124.36	599.43	
W-815-08	07/15/04	124.78	599.01	
W-815-08	10/04/04	125.04	598.75	
W-815-1918	04/13/04	106.09	637.52	POM 2.00
W-815-1918	07/15/04	106.38	637.23	POM 2.0
W-815-1918	10/04/04	106.39	637.22	POM 2.00
W-815-1928	04/13/04	-	-	DRY/POM 2.00
W-815-1928	07/15/04	-	-	DRY/POM 2.0
W-815-1928	10/04/04	-	-	DRY/POM 2.00
W-817-01	01/08/04	-	-	NM/SWAT UNIT
W-817-01	04/13/04	-	-	NM/SWAT UNIT

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-817-01	07/15/04	-	-	NM/SWAT UNIT 0
W-817-01	10/04/04	-	-	NM/SWAT UNIT
W-817-02	01/08/04	114.20	587.56	
W-817-02	04/01/04	114.19	587.57	
W-817-02	07/15/04	114.49	587.27	
W-817-02	09/07/04	114.62	587.14	
W-817-02	09/20/04	114.95	586.81	
W-817-02	09/27/04	114.77	586.99	
W-817-02	10/04/04	114.77	586.99	
W-817-03	01/08/04	100.66	573.25	
W-817-03	04/13/04	100.23	573.68	
W-817-03	07/15/04	100.85	573.06	
W-817-03	10/04/04	101.49	572.42	
W-817-03A	01/08/04	-	-	DRY
W-817-03A	04/13/04	-	-	DRY
W-817-03A	07/15/04	-	-	DRY
W-817-03A	10/04/04	-	-	DRY
W-817-04	01/08/04	76.16	607.03	
W-817-04	04/01/04	76.13	607.06	
W-817-04	07/15/04	76.27	606.92	
W-817-04	09/07/04	76.21	606.98	
W-817-04	10/04/04	76.37	606.82	
W-817-05	01/20/04	128.72	635.61	
W-817-05	04/13/04	128.79	635.54	
W-817-05	07/15/04	128.58	635.75	
W-817-05	10/04/04	128.59	635.74	
W-817-06A	01/20/04	89.07	679.39	HOOKED TO SW
W-817-06A	04/13/04	89.15	679.31	
W-817-06A	07/15/04	94.92	673.54	
W-817-06A	10/04/04	90.55	677.91	
W-817-07	01/08/04	95.08	572.87	
W-817-07	04/13/04	94.58	573.37	
W-817-07	07/15/04	95.17	572.78	
W-817-07	10/04/04	95.73	572.22	
W-818-01	01/12/04	96.15	584.62	
W-818-01	04/14/04	96.29	584.48	
W-818-01	07/08/04	96.22	584.55	
W-818-01	10/04/04	96.40	584.37	
W-818-03	01/12/04	54.31	544.56	
W-818-03	04/15/04	53.75	545.12	
W-818-03	07/08/04	54.52	544.35	
W-818-03	10/04/04	55.00	543.87	
W-818-04	01/12/04	62.61	551.45	
W-818-04	04/15/04	62.48	551.58	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-818-04	07/08/04	62.82	551.24	
W-818-04	10/05/04	64.00	550.06	
W-818-06	01/12/04	67.00	546.52	
W-818-06	04/15/04	67.15	546.37	
W-818-06	07/08/04	67.93	545.59	
W-818-06	10/05/04	68.40	545.12	
W-818-07	01/12/04	67.25	546.96	
W-818-07	04/15/04	67.42	546.79	
W-818-07	07/08/04	68.00	546.21	
W-818-07	10/04/04	68.59	545.62	
W-818-08	01/12/04	99.10	549.80	
W-818-08	04/20/04	98.60	550.30	
W-818-08	07/19/04	88.50	560.40	
W-818-08	10/06/04	103.06	545.84	
W-818-09	01/12/04	105.50	535.40	
W-818-09	04/20/04	105.60	535.30	
W-818-09	07/19/04	85.70	555.20	
W-818-09	10/06/04	106.00	534.90	
W-818-11	01/12/04	149.62	598.07	
W-818-11	04/14/04	149.77	597.92	
W-818-11	07/08/04	149.93	597.76	
W-818-11	10/06/04	150.01	597.68	
W-819-02	01/08/04	225.10	597.02	
W-819-02	04/14/04	225.15	596.97	
W-819-02	07/08/04	224.35	597.77	
W-819-02	10/06/04	224.55	597.57	
W-823-01	01/20/04	17.30	573.95	
W-823-01	04/13/04	17.23	574.02	
W-823-01	07/01/04	18.62	572.63	
W-823-01	10/06/04	19.00	572.25	
W-823-02	01/20/04	16.36	574.02	
W-823-02	04/13/04	16.41	573.97	
W-823-02	07/01/04	17.82	572.56	
W-823-02	10/06/04	18.17	572.21	
W-823-03	01/20/04	15.97	574.05	
W-823-03	04/13/04	15.91	574.11	
W-823-03	07/01/04	16.83	573.19	
W-823-03	10/06/04	17.29	572.73	
W-823-13	01/21/04	49.84	572.40	
W-823-13	04/13/04	49.46	572.78	
W-823-13	07/01/04	50.21	572.03	
W-823-13	10/06/04	50.60	571.64	
W-827-01	01/20/04	-	-	DRY
W-827-01	04/19/04	-	-	DRY

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-827-01	07/19/04	-	-	DRY
W-827-01	10/21/04	-	-	DRY
W-827-02	01/20/04	57.72	865.13	
W-827-02	04/19/04	60.28	862.57	
W-827-02	07/19/04	56.13	866.72	
W-827-02	10/21/04	57.35	865.50	
W-827-03	01/15/04	193.50	730.90	
W-827-03	04/19/04	193.55	730.85	
W-827-03	07/19/04	192.29	732.11	
W-827-03	10/21/04	193.40	731.00	
W-827-04	01/15/04	-	-	DRY
W-827-04	04/19/04	-	-	DRY
W-827-04	07/19/04	-	-	DRY
W-827-04	10/21/04	-	-	DRY
W-827-05	01/15/04	382.50	651.38	
W-827-05	04/19/04	382.30	651.58	
W-827-05	07/19/04	382.13	651.75	
W-827-05	10/21/04	382.60	651.28	
W-829-06	10/21/04	96.10	976.19	
W-829-08	10/21/04	98.00	976.75	
W-829-15	01/15/04	337.68	696.32	
W-829-15	04/19/04	337.54	696.46	
W-829-15	07/19/04	337.18	696.82	
W-829-15	10/21/04	337.56	696.44	
W-829-1938	01/20/04	375.58	704.42	
W-829-1938	04/19/04	375.60	704.40	
W-829-1938	07/19/04	374.40	705.60	
W-829-1938	10/21/04	375.60	704.40	
W-829-1940	04/19/04	107.75	970.54	
W-829-1940	07/19/04	107.66	970.63	
W-829-1940	10/21/04	107.66	970.63	
W-829-22	01/15/04	399.75	653.32	
W-829-22	04/19/04	399.74	653.33	
W-829-22	07/19/04	399.20	653.87	
W-829-22	10/21/04	400.17	652.90	
WELL18	01/05/04	-	-	FL
WELL18	04/01/04	-	-	FL
WELL18	07/06/04	-	-	FL
WELL18	10/04/04	-	-	FL

C-5 Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K1-01C	01/13/04	101.09	980.13	
K1-01C	04/14/04	101.50	979.72	
K1-01C	07/12/04	101.64	979.58	
K1-01C	10/07/04	101.72	979.50	
K1-02B	01/05/04	129.62	977.61	
K1-02B	04/14/04	130.01	977.22	
K1-02B	07/12/04	130.58	976.65	
K1-02B	10/07/04	130.58	976.65	
K1-03	01/05/04	132.44	975.61	
K1-03	04/14/04	132.85	975.20	
K1-03	07/12/04	133.10	974.95	
K1-03	10/07/04	133.52	974.53	
K1-04	01/05/04	151.49	971.18	
K1-04	04/14/04	151.91	970.76	
K1-04	07/12/04	152.05	970.62	
K1-04	10/07/04	152.55	970.12	
K1-05	01/05/04	166.91	963.95	
K1-05	04/14/04	167.30	963.56	
K1-05	07/12/04	167.45	963.41	
K1-05	10/07/04	167.75	963.11	
K1-06	01/13/04	111.04	978.50	
K1-06	04/14/04	111.20	978.34	
K1-06	07/13/04	111.30	978.24	
K1-06	10/07/04	111.47	978.07	
K1-07	01/05/04	136.26	973.37	
K1-07	04/14/04	136.60	973.03	
K1-07	07/12/04	136.85	972.78	
K1-07	10/07/04	137.14	972.49	
K1-08	01/05/04	150.67	972.07	
K1-08	04/14/04	150.88	971.86	
K1-08	07/12/04	151.00	971.74	
K1-08	10/07/04	151.40	971.34	
K1-09	01/05/04	157.50	969.18	
K1-09	04/14/04	157.65	969.03	
K1-09	07/12/04	157.74	968.94	
K1-09	10/07/04	157.58	969.10	
K2-03	01/20/04	47.96	1018.68	
K2-03	04/19/04	49.42	1017.22	
K2-03	07/15/04	48.65	1017.99	
K2-03	10/11/04	48.80	1017.84	
K2-04D	01/07/04	24.13	1068.39	
K2-04D	04/15/04	21.10	1071.42	
K2-04D	07/15/04	23.50	1069.02	
K2-04D	10/11/04	24.89	1067.63	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K2-04S	01/07/04	22.79	1069.16	
K2-04S	04/15/04	19.55	1072.40	
K2-04S	07/15/04	22.01	1069.94	
K2-04S	10/19/04	23.57	1068.38	
NC2-05	01/07/04	46.84	988.07	
NC2-05	04/15/04	46.78	988.13	
NC2-05	07/15/04	47.90	987.01	
NC2-05	10/07/04	47.95	986.96	
NC2-05A	01/07/04	47.25	988.18	
NC2-05A	04/15/04	46.61	988.82	
NC2-05A	07/15/04	46.88	988.55	
NC2-05A	10/07/04	47.76	987.67	
NC2-06	01/14/04	44.82	988.72	
NC2-06	04/15/04	44.96	988.58	
NC2-06	07/12/04	45.15	988.39	
NC2-06	10/07/04	45.62	987.92	
NC2-06A	01/14/04	45.63	988.60	
NC2-06A	04/15/04	45.74	988.49	
NC2-06A	07/12/04	45.99	988.24	
NC2-06A	10/07/04	46.49	987.74	
NC2-09	01/07/04	46.87	988.60	
NC2-09	04/15/04	47.00	988.47	
NC2-09	07/15/04	47.32	988.15	
NC2-09	10/07/04	47.77	987.70	
NC2-10	01/05/04	60.34	980.37	
NC2-10	04/15/04	61.09	979.62	
NC2-10	07/19/04	62.30	978.41	
NC2-10	10/07/04	61.70	979.01	
NC2-11D	01/07/04	48.13	980.49	
NC2-11D	04/15/04	48.00	980.62	
NC2-11D	07/12/04	48.47	980.15	
NC2-11D	10/07/04	48.99	979.63	
NC2-11I	01/07/04	48.38	980.38	
NC2-11I	04/15/04	48.23	980.53	
NC2-11I	07/12/04	48.67	980.09	
NC2-11I	10/07/04	49.12	979.64	
NC2-11S	01/07/04	48.13	980.39	
NC2-11S	04/15/04	48.00	980.52	
NC2-11S	07/12/04	48.45	980.07	
NC2-11S	10/07/04	48.84	979.68	
NC2-12S	01/05/04	47.61	980.91	
NC2-12S	04/15/04	46.93	981.59	
NC2-12S	07/15/04	47.30	981.22	
NC2-12S	10/07/04	47.69	980.83	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC2-13	01/07/04	40.41	981.09	
NC2-13	04/15/04	40.18	981.32	
NC2-13	07/12/04	40.69	980.81	
NC2-13	10/07/04	40.11	981.39	
NC2-14S	01/08/04	14.12	1059.78	
NC2-14S	04/15/04	12.78	1061.12	
NC2-14S	07/15/04	13.42	1060.48	
NC2-14S	10/07/04	14.80	1059.10	
NC2-15	01/14/04	75.88	997.58	
NC2-15	04/19/04	75.21	998.25	
NC2-15	07/15/04	75.37	998.09	
NC2-15	10/07/04	76.30	997.16	
NC2-16	01/08/04	22.52	1059.94	
NC2-16	04/15/04	21.32	1061.14	
NC2-16	07/15/04	21.89	1060.57	
NC2-16	10/07/04	22.85	1059.61	
NC2-17	01/22/04	100.61	988.88	
NC2-17	04/19/04	100.70	988.79	
NC2-17	07/12/04	100.75	988.74	
NC2-17	10/07/04	101.23	988.26	
NC2-18	01/14/04	72.19	1058.98	
NC2-18	04/15/04	70.28	1060.89	
NC2-18	07/15/04	71.38	1059.79	
NC2-18	10/07/04	72.49	1058.68	
NC2-19	01/22/04	107.31	985.08	
NC2-19	04/19/04	107.36	985.03	
NC2-19	07/12/04	107.38	985.01	
NC2-19	10/07/04	107.90	984.49	
NC2-20	01/20/04	33.76	968.51	
NC2-20	04/15/04	33.10	969.17	
NC2-20	07/12/04	33.74	968.53	
NC2-20	10/07/04	34.03	968.24	
NC2-21	01/20/04	33.45	968.69	
NC2-21	04/15/04	32.72	969.42	
NC2-21	07/12/04	33.43	968.71	
NC2-21	10/07/04	33.92	968.22	
NC7-10	01/08/04	9.10	1217.20	
NC7-10	04/07/04	8.75	1217.55	
NC7-10	07/14/04	9.65	1216.65	
NC7-10	10/14/04	9.62	1216.68	
NC7-11	01/08/04	19.68	1224.71	
NC7-11	04/07/04	19.41	1224.98	
NC7-11	07/14/04	20.39	1224.00	
NC7-11	10/14/04	20.36	1224.03	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-14	01/08/04	29.22	1227.77	
NC7-14	04/07/04	28.18	1228.81	
NC7-14	07/14/04	-	-	DRY
NC7-14	10/14/04	-	-	DRY
NC7-15	01/08/04	21.35	1248.06	
NC7-15	04/07/04	20.65	1248.76	
NC7-15	07/14/04	21.64	1247.77	
NC7-15	10/14/04	21.99	1247.42	
NC7-19	01/20/04	21.20	1241.78	
NC7-19	04/07/04	20.73	1242.25	
NC7-19	07/14/04	21.75	1241.23	
NC7-19	10/14/04	22.00	1240.98	
NC7-27	01/14/04	86.70	1195.70	
NC7-27	04/14/04	86.08	1196.32	
NC7-27	07/14/04	86.63	1195.77	
NC7-27	10/14/04	86.60	1195.80	
NC7-28	01/08/04	36.99	1262.54	
NC7-28	04/19/04	38.49	1261.04	
NC7-28	07/15/04	40.05	1259.48	
NC7-28	10/18/04	40.61	1258.92	
NC7-29	01/08/04	53.23	1201.51	
NC7-29	04/15/04	52.60	1202.14	
NC7-29	07/15/04	52.96	1201.78	
NC7-29	10/18/04	53.27	1201.47	
NC7-43	01/08/04	42.97	1247.21	
NC7-43	04/19/04	43.31	1246.87	
NC7-43	07/15/04	45.15	1245.03	
NC7-43	10/18/04	45.68	1244.50	
NC7-44	01/14/04	32.77	1323.36	
NC7-44	04/19/04	32.93	1323.20	
NC7-44	07/15/04	32.87	1323.26	
NC7-44	10/18/04	32.87	1323.26	
NC7-45	01/08/04	33.70	1154.99	
NC7-45	04/07/04	33.19	1155.50	
NC7-45	07/15/04	35.77	1152.92	
NC7-45	10/18/04	35.82	1152.87	
NC7-46	01/08/04	23.35	1108.08	
NC7-46	04/15/04	23.00	1108.43	
NC7-46	07/15/04	23.65	1107.78	
NC7-46	10/18/04	23.85	1107.58	
NC7-54	01/20/04	9.85	1197.40	
NC7-54	04/15/04	-	-	NM STINGING NETTLE
NC7-54	07/15/04	11.63	1195.62	
NC7-54	10/14/04	11.57	1195.68	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-55	01/08/04	-	-	DRY
NC7-55	04/15/04	-	-	DRY
NC7-55	07/15/04	-	-	DRY
NC7-55	10/14/04	-	-	DRY
NC7-56	01/08/04	18.35	1113.82	
NC7-56	04/15/04	17.80	1114.37	
NC7-56	07/15/04	19.42	1112.75	
NC7-56	10/14/04	19.62	1112.55	
NC7-57	01/08/04	-	-	DRY
NC7-57	04/15/04	-	-	DRY
NC7-57	07/15/04	-	-	DRY
NC7-57	10/14/04	-	-	DRY
NC7-58	01/08/04	21.65	1085.08	
NC7-58	04/15/04	19.85	1086.88	
NC7-58	07/15/04	23.00	1083.73	
NC7-58	10/14/04	23.40	1083.33	
NC7-59	01/08/04	12.45	1103.31	
NC7-59	04/15/04	11.80	1103.96	
NC7-59	07/15/04	13.05	1102.71	
NC7-59	10/14/04	13.30	1102.46	
NC7-60	01/14/04	159.08	1168.54	
NC7-60	04/15/04	158.99	1168.63	
NC7-60	07/14/04	159.35	1168.27	
NC7-60	10/14/04	160.20	1167.42	
NC7-61	01/14/04	48.02	1231.35	
NC7-61	04/07/04	47.85	1231.52	
NC7-61	07/15/04	48.15	1231.22	
NC7-61	10/18/04	48.26	1231.11	
NC7-62	01/08/04	21.25	1103.86	
NC7-62	04/15/04	20.32	1104.79	
NC7-62	07/15/04	21.95	1103.16	
NC7-62	10/18/04	22.15	1102.96	
NC7-69	01/08/04	2.39	1250.07	
NC7-69	04/07/04	2.23	1250.23	
NC7-69	07/14/04	2.37	1250.09	
NC7-69	10/18/04	2.50	1249.96	
NC7-70	01/14/04	27.13	1280.29	
NC7-70	04/07/04	28.00	1279.42	
NC7-70	07/15/04	30.17	1277.25	
NC7-70	10/18/04	31.84	1275.58	
NC7-71	01/08/04	55.62	1247.60	
NC7-71	04/07/04	55.00	1248.22	
NC7-71	07/15/04	56.13	1247.09	
NC7-71	10/18/04	56.29	1246.93	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-72	01/14/04	31.01	1125.34	
NC7-72	04/15/04	30.33	1126.02	
NC7-72	07/15/04	31.95	1124.40	
NC7-72	10/18/04	32.02	1124.33	
NC7-73	01/14/04	26.60	1139.67	
NC7-73	04/15/04	26.18	1140.09	
NC7-73	07/15/04	27.22	1139.05	
NC7-73	10/18/04	27.30	1138.97	
NC7-76	01/08/04	22.89	1253.99	
NC7-76	04/07/04	21.81	1255.07	
NC7-76	07/14/04	23.10	1253.78	
NC7-76	10/18/04	23.40	1253.48	
W-850-05	01/13/04	26.53	1276.86	
W-850-05	04/07/04	27.13	1276.26	
W-850-05	07/15/04	28.45	1274.94	
W-850-05	10/18/04	28.97	1274.42	
W-865-1802	01/08/04	49.26	1017.79	
W-865-1802	04/15/04	48.41	1018.64	
W-865-1802	07/15/04	48.68	1018.37	
W-865-1802	10/07/04	49.39	1017.66	
W-865-1803	01/08/04	-	-	NM/NO ACCESS
W-865-1803	04/14/04	104.45	1073.54	
W-865-1803	07/13/04	102.44	1075.55	
W-865-1803	10/07/04	104.38	1073.61	
W-PIT7-16	01/08/04	21.01	1249.99	
W-PIT7-16	04/07/04	20.62	1250.38	
W-PIT7-16	07/14/04	20.97	1250.03	
W-PIT7-16	10/07/04	21.30	1249.70	

C-6 Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-01	01/13/04	217.55	1116.89	
W-854-01	04/01/04	217.22	1117.22	
W-854-01	07/13/04	217.38	1117.06	
W-854-01	10/14/04	217.41	1117.03	
W-854-02	01/13/04	-	-	NM/SWAT UNIT
W-854-02	04/01/04	-	-	NM/SWAT UNIT
W-854-02	07/13/04	-	-	NM/SWAT UNIT
W-854-02	10/25/04	-	-	NM
W-854-03	01/08/04	117.95	1122.59	
W-854-03	04/01/04	117.81	1122.73	
W-854-03	07/13/04	118.18	1122.36	
W-854-03	10/14/04	117.96	1122.58	
W-854-04	01/13/04	301.20	937.18	
W-854-04	04/01/04	300.67	937.71	
W-854-04	07/13/04	300.13	938.25	
W-854-04	10/14/04	300.16	938.22	
W-854-05	01/13/04	88.35	1241.99	
W-854-05	04/01/04	89.31	1241.03	
W-854-05	07/13/04	89.27	1241.07	
W-854-05	10/14/04	89.40	1240.94	
W-854-06	01/13/04	117.42	991.03	
W-854-06	04/01/04	117.49	990.96	
W-854-06	07/13/04	117.53	990.92	
W-854-06	10/14/04	117.66	990.79	
W-854-07	01/13/04	116.85	992.01	
W-854-07	04/01/04	116.67	992.19	
W-854-07	07/13/04	116.82	992.04	
W-854-07	10/14/04	116.97	991.89	
W-854-08	01/13/04	119.54	1154.66	
W-854-08	04/01/04	119.54	1154.66	
W-854-08	07/13/04	119.76	1154.44	
W-854-08	10/14/04	119.80	1154.40	
W-854-09	01/13/04	-	-	NM/NO ACCESS
W-854-09	04/01/04	186.10	1173.11	
W-854-09	07/13/04	186.45	1172.76	
W-854-09	10/25/04	-	-	NM/MUDDY
W-854-10	01/13/04	115.76	1210.62	CB
W-854-10	04/01/04	115.63	1210.75	CB
W-854-10	07/13/04	114.53	1211.85	CB
W-854-10	10/14/04	115.13	1211.25	CB
W-854-11	01/13/04	-	-	DRY/CB
W-854-11	04/01/04	-	-	DRY/CB
W-854-11	07/13/04	-	-	DRY/CB
W-854-11	10/18/04	-	-	DRY/CB

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-12	01/13/04	226.89	1029.90	
W-854-12	04/01/04	226.83	1029.96	
W-854-12	07/15/04	226.87	1029.92	
W-854-12	10/25/04	222.90	1033.89	
W-854-13	01/13/04	101.89	1155.28	
W-854-13	04/01/04	101.86	1155.31	
W-854-13	07/15/04	101.81	1155.36	
W-854-13	10/25/04	101.92	1155.25	
W-854-14	01/14/04	-	-	DRY/CB
W-854-14	04/01/04	-	-	DRY/CB
W-854-14	07/13/04	-	-	DRY/CB
W-854-14	10/18/04	-	-	DRY/CB
W-854-15	01/08/04	75.66	1056.34	CB
W-854-15	04/01/04	75.55	1056.45	CB
W-854-15	07/13/04	75.18	1056.82	CB
W-854-15	10/18/04	75.58	1056.42	CB
W-854-17	01/13/04	143.74	1190.40	
W-854-17	04/01/04	143.69	1190.45	
W-854-17	07/13/04	143.75	1190.39	
W-854-17	10/18/04	143.75	1190.39	
W-854-1701	01/13/04	242.33	1007.99	
W-854-1701	04/01/04	241.67	1008.65	
W-854-1701	07/13/04	241.87	1008.45	
W-854-1701	10/18/04	241.97	1008.35	
W-854-1706	01/13/04	-	-	NM/NO ACCESS
W-854-1706	04/01/04	-	-	DRY
W-854-1706	07/13/04	-	-	DRY
W-854-1706	10/18/04	-	-	DRY
W-854-1707	01/13/04	-	-	NM/NO ACCESS
W-854-1707	04/01/04	16.56	840.44	
W-854-1707	07/13/04	19.02	837.98	
W-854-1707	10/18/04	19.83	837.17	
W-854-1731	01/14/04	72.20	931.29	CB
W-854-1731	04/01/04	71.42	932.07	CB
W-854-1731	07/13/04	70.66	932.83	CB
W-854-1731	10/25/04	70.00	933.49	CB
W-854-1822	01/13/04	144.44	1037.56	
W-854-1822	04/01/04	143.81	1038.19	
W-854-1822	07/13/04	144.10	1037.90	
W-854-1822	10/18/04	144.20	1037.80	
W-854-1823	01/13/04	53.24	1099.02	
W-854-1823	04/01/04	51.08	1101.18	
W-854-1823	07/13/04	52.08	1100.18	
W-854-1823	10/18/04	52.85	1099.41	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-1834	01/13/04	-	-	DRY
W-854-1834	04/01/04	-	-	DRY
W-854-1834	07/13/04	-	-	DRY
W-854-1834	10/18/04	-	-	DRY
W-854-1835	01/22/04	-	-	DRY
W-854-1835	04/01/04	-	-	DRY
W-854-1835	07/13/04	-	-	DRY
W-854-1835	10/18/04	-	-	DRY
W-854-18A	01/13/04	141.41	1194.49	
W-854-18A	04/01/04	141.12	1194.78	
W-854-18A	07/13/04	140.92	1194.98	
W-854-18A	10/18/04	141.12	1194.78	
W-854-19	01/13/04	-	-	DRY
W-854-19	04/01/04	-	-	DRY
W-854-19	07/13/04	-	-	DRY
W-854-19	10/18/04	-	-	DRY
W-854-1902	01/13/04	147.55	1042.45	
W-854-1902	04/01/04	145.58	1044.42	
W-854-1902	07/13/04	145.74	1044.26	
W-854-1902	10/18/04	145.94	1044.06	
W-854-45	01/14/04	94.35	909.65	
W-854-45	04/01/04	93.83	910.17	
W-854-45	07/13/04	93.65	910.35	
W-854-45	10/25/04	93.26	910.74	
W-854-F2	01/13/04	-	-	DRY
W-854-F2	04/01/04	-	-	DRY
W-854-F2	07/13/04	-	-	DRY
W-854-F2	10/18/04	-	-	DRY

C-7 Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
SPRING3	01/15/04	4.89	551.83	
SPRING3	04/15/04	5.15	551.57	
SPRING3	07/08/04	5.36	551.36	
SPRING3	10/06/04	5.42	551.30	
SVI-830-031	01/06/04	24.31	668.02	CB
SVI-830-031	04/01/04	24.18	668.15	CB
SVI-830-031	07/06/04	24.38	667.95	CB
SVI-830-031	10/04/04	24.36	667.97	CB
SVI-830-032	01/06/04	-	-	DRY
SVI-830-032	04/01/04	-	-	DRY
SVI-830-032	07/06/04	-	-	DRY
SVI-830-032	10/04/04	-	-	DRY
SVI-830-033	01/06/04	24.87	667.48	
SVI-830-033	04/01/04	24.81	667.54	
SVI-830-033	07/06/04	24.79	667.56	
SVI-830-033	10/04/04	24.83	667.52	
SVI-830-035	01/06/04	24.05	668.31	
SVI-830-035	04/01/04	22.91	669.45	
SVI-830-035	07/07/04	23.65	668.71	
SVI-830-035	10/04/04	23.74	668.62	
W-830-04A	01/07/04	46.19	577.91	
W-830-04A	04/13/04	44.55	579.55	
W-830-04A	07/06/04	44.43	579.67	
W-830-04A	10/06/04	45.85	578.25	
W-830-05	01/06/04	24.99	559.38	
W-830-05	04/13/04	25.03	559.34	
W-830-05	07/06/04	25.21	559.16	
W-830-05	10/06/04	23.53	560.84	
W-830-07	01/08/04	-	-	DRY
W-830-07	04/07/04	-	-	DRY
W-830-07	07/07/04	-	-	DRY
W-830-07	10/05/04	-	-	DRY
W-830-09	01/06/04	101.30	595.80	
W-830-09	04/01/04	101.54	595.56	
W-830-09	07/06/04	102.05	595.05	
W-830-09	10/04/04	101.41	595.69	
W-830-10	01/07/04	18.87	577.83	
W-830-10	04/13/04	17.27	579.43	
W-830-10	07/06/04	17.06	579.64	
W-830-10	10/06/04	18.59	578.11	
W-830-11	01/06/04	34.30	561.89	
W-830-11	04/13/04	34.70	561.49	
W-830-11	07/06/04	34.93	561.26	
W-830-11	10/06/04	35.20	560.99	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-12	01/06/04	101.41	591.21	
W-830-12	04/01/04	100.11	592.51	
W-830-12	07/06/04	101.37	591.25	
W-830-12	10/04/04	102.20	590.42	
W-830-13	01/06/04	26.65	537.86	
W-830-13	04/13/04	27.03	537.48	
W-830-13	07/07/04	28.36	536.15	
W-830-13	10/06/04	28.68	535.83	
W-830-14	01/06/04	20.38	545.12	
W-830-14	04/13/04	20.21	545.29	
W-830-14	07/07/04	20.15	545.35	
W-830-14	10/06/04	20.35	545.15	
W-830-15	01/13/04	1.52	563.57	CB
W-830-15	04/19/04	1.90	563.19	CB
W-830-15	07/07/04	5.18	559.91	CB
W-830-15	10/06/04	3.82	561.27	CB
W-830-16	01/12/04	97.11	573.77	
W-830-16	04/13/04	95.25	575.63	
W-830-16	07/08/04	95.55	575.33	
W-830-16	10/06/04	96.90	573.98	
W-830-17	01/12/04	108.63	564.59	
W-830-17	04/13/04	108.56	564.66	
W-830-17	07/08/04	108.49	564.73	
W-830-17	10/06/04	108.55	564.67	
W-830-1730	01/12/04	24.66	523.04	
W-830-1730	04/19/04	24.59	523.11	
W-830-1730	07/07/04	24.56	523.14	
W-830-1730	10/20/04	24.75	522.95	
W-830-18	01/07/04	62.68	591.81	
W-830-18	04/13/04	63.30	591.19	
W-830-18	07/06/04	63.32	591.17	
W-830-18	10/06/04	62.94	591.55	
W-830-1807	01/06/04	-	-	DRY/SWAT UNI
W-830-1807	04/01/04	-	-	NM
W-830-1807	07/06/04	-	-	NM
W-830-1807	10/06/04	-	-	NM
W-830-1829	01/06/04	51.57	607.43	
W-830-1829	04/01/04	51.15	607.85	
W-830-1829	07/06/04	51.48	607.52	
W-830-1829	10/05/04	53.05	605.95	
W-830-1830	01/06/04	55.02	605.98	
W-830-1830	04/01/04	54.66	606.34	
W-830-1830	07/06/04	55.43	605.57	
W-830-1830	10/04/04	55.39	605.61	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-1831	10/06/04	166.42	576.29	
W-830-1832	10/06/04	157.11	590.76	
W-830-19	01/06/04	-	-	NM
W-830-19	04/01/04	-	-	NM/SWAT UNIT
W-830-19	07/06/04	-	-	NM/SWAT UNIT
W-830-19	10/06/04	-	-	NM/SWAT UNIT
W-830-20	01/06/04	12.93	584.03	
W-830-20	04/13/04	13.33	583.63	
W-830-20	07/06/04	14.00	582.96	
W-830-20	10/06/04	13.58	583.38	
W-830-21	01/08/04	66.79	587.15	
W-830-21	04/13/04	66.77	587.17	
W-830-21	07/06/04	66.73	587.21	
W-830-21	10/06/04	67.11	586.83	
W-830-22	01/06/04	47.06	607.96	CB
W-830-22	04/07/04	16.56	638.46	CB
W-830-22	07/06/04	46.52	608.50	CB
W-830-22	10/05/04	48.43	606.59	CB
W-830-25	01/21/04	23.05	597.29	
W-830-25	04/07/04	22.27	598.07	
W-830-25	07/07/04	22.98	597.36	
W-830-25	10/05/04	24.58	595.76	
W-830-26	01/06/04	64.79	593.74	
W-830-26	04/07/04	65.32	593.21	
W-830-26	07/06/04	65.46	593.07	
W-830-26	10/05/04	65.04	593.49	
W-830-27	01/07/04	18.90	605.36	
W-830-27	04/07/04	18.12	606.14	
W-830-27	07/07/04	20.14	604.12	
W-830-27	10/05/04	24.21	600.05	
W-830-28	01/07/04	31.26	590.90	
W-830-28	04/07/04	31.78	590.38	
W-830-28	07/07/04	31.85	590.31	
W-830-28	10/05/04	31.57	590.59	
W-830-29	01/06/04	97.34	563.69	CB
W-830-29	04/07/04	45.62	615.41	CB
W-830-29	07/06/04	99.39	561.64	CB
W-830-29	10/05/04	100.78	560.25	CB
W-830-30	01/06/04	21.73	670.78	
W-830-30	04/01/04	21.41	671.10	
W-830-30	07/06/04	21.65	670.86	
W-830-30	10/04/04	21.88	670.63	
W-830-34	01/06/04	20.86	671.49	CB
W-830-34	04/01/04	20.25	672.10	CB

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-34	07/06/04	20.69	671.66	CB
W-830-34	10/04/04	20.69	671.66	CB
W-830-49	01/06/04	38.07	629.11	
W-830-49	04/07/04	37.87	629.31	
W-830-49	07/06/04	38.04	629.14	
W-830-49	10/05/04	38.36	628.82	
W-830-50	01/07/04	31.50	577.64	
W-830-50	04/13/04	29.80	579.34	
W-830-50	07/06/04	29.54	579.60	
W-830-50	10/06/04	31.02	578.12	
W-830-51	01/07/04	-	-	FL
W-830-51	04/13/04	-	-	FL
W-830-51	07/08/04	-	-	FL
W-830-51	10/06/04	-	-	FL
W-830-52	01/07/04	-	-	FL
W-830-52	04/13/04	-	-	FL
W-830-52	07/08/04	-	-	FL
W-830-52	10/06/04	-	-	FL
W-830-53	01/12/04	-	-	FL
W-830-53	04/13/04	-	-	FL
W-830-53	07/08/04	-	-	FL
W-830-53	10/06/04	-	-	FL
W-830-54	01/12/04	55.22	547.80	
W-830-54	04/13/04	55.40	547.62	
W-830-54	07/08/04	56.00	547.02	
W-830-54	10/06/04	56.10	546.92	
W-830-55	01/12/04	88.45	575.59	
W-830-55	04/13/04	86.52	577.52	
W-830-55	07/08/04	86.79	577.25	
W-830-55	10/06/04	88.00	576.04	
W-830-56	01/13/04	31.30	545.52	
W-830-56	04/13/04	31.11	545.71	
W-830-56	07/07/04	30.93	545.89	
W-830-56	10/06/04	31.35	545.47	
W-830-57	01/07/04	47.30	592.57	
W-830-57	04/07/04	48.48	591.39	
W-830-57	07/07/04	45.87	594.00	
W-830-57	10/05/04	47.89	591.98	
W-830-58	01/07/04	22.85	610.23	
W-830-58	04/07/04	22.17	610.91	
W-830-58	07/07/04	23.44	609.64	
W-830-58	10/05/04	25.45	607.63	
W-830-59	01/06/04	-	-	NM/SWAT UNIT
W-830-59	04/01/04	-	-	NM/SWAT UNIT

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-59	07/06/04	-	-	NM/SWAT UNIT
W-830-59	10/05/04	-	-	NM/SWAT UNIT
W-830-60	01/07/04	43.69	593.70	
W-830-60	04/13/04	44.28	593.11	
W-830-60	07/06/04	44.11	593.28	
W-830-60	10/06/04	43.77	593.62	
W-831-01	01/07/04	129.81	643.68	
W-831-01	04/14/04	130.54	642.95	
W-831-01	07/07/04	130.46	643.03	
W-831-01	10/05/04	130.78	642.71	
W-832-01	01/07/04	30.51	675.55	
W-832-01	04/07/04	29.48	676.58	
W-832-01	07/06/04	29.78	676.28	
W-832-01	10/05/04	27.66	678.40	
W-832-05	01/07/04	32.82	685.85	CB
W-832-05	04/07/04	-	-	NM/CB PLUG IN CASING
W-832-05	07/07/04	31.79	686.88	PLG IN CSG NM/CB
W-832-05	10/05/04	30.65	688.02	NM/CB
W-832-06	01/07/04	25.79	695.06	
W-832-06	04/07/04	25.28	695.57	
W-832-06	07/07/04	-	720.85	NM NO ACCESS
W-832-06	10/05/04	24.95	695.90	NM
W-832-09	01/07/04	72.48	634.74	
W-832-09	04/07/04	72.45	634.77	
W-832-09	07/06/04	72.57	634.65	
W-832-09	10/05/04	73.04	634.18	
W-832-10	01/12/04	30.51	655.64	
W-832-10	04/07/04	30.58	655.57	
W-832-10	07/06/04	31.06	655.09	
W-832-10	10/05/04	30.81	655.34	
W-832-11	01/12/04	31.21	667.44	
W-832-11	04/07/04	30.41	668.24	
W-832-11	07/06/04	30.88	667.77	
W-832-11	10/05/04	30.08	668.57	
W-832-12	01/07/04	24.84	696.63	CB
W-832-12	04/07/04	24.00	697.47	CB
W-832-12	07/08/04	19.41	702.06	CB
W-832-12	10/06/04	24.95	696.52	CB
W-832-13	01/07/04	20.38	702.28	CB
W-832-13	04/07/04	20.95	701.71	CB
W-832-13	07/08/04	20.23	702.43	CB
W-832-13	10/06/04	21.76	700.90	CB
W-832-14	01/07/04	24.34	696.83	
W-832-14	04/07/04	23.88	697.29	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-832-14	07/08/04	24.23	696.94	
W-832-14	10/06/04	-	-	DRY
W-832-15	01/07/04	22.71	698.17	CB
W-832-15	04/07/04	23.05	697.83	CB
W-832-15	07/08/04	20.21	700.67	CB
W-832-15	10/06/04	-	-	DRY/CB
W-832-16	01/07/04	17.36	703.38	CB
W-832-16	04/07/04	-	-	NM/CB NO ACCESS
W-832-16	07/08/04	-	-	DRY/CB
W-832-16	10/06/04	17.46	703.28	CB
W-832-17	01/07/04	-	-	DRY/CB
W-832-17	04/07/04	-	-	DRY/CB
W-832-17	07/08/04	-	-	DRY/CB
W-832-17	10/06/04	-	-	DRY/CB
W-832-18	01/07/04	-	-	DRY
W-832-18	04/07/04	-	-	DRY
W-832-18	07/08/04	-	-	DRY
W-832-18	10/06/04	-	-	DRY
W-832-19	01/07/04	-	-	DRY/CB
W-832-19	04/07/04	23.90	696.12	CB
W-832-19	07/07/04	-	-	DRY/CB
W-832-19	10/05/04	-	-	DRY/CB
W-832-1927	01/20/04	232.97	593.03	
W-832-1927	04/19/04	232.20	593.80	
W-832-1927	07/08/04	232.32	593.68	
W-832-1927	10/06/04	232.85	593.15	
W-832-20	01/07/04	-	-	DRY/CB
W-832-20	04/07/04	-	-	DRY/CB
W-832-20	07/08/04	-	-	DRY/CB
W-832-20	10/06/04	-	-	DRY/CB
W-832-21	01/07/04	-	-	DRY
W-832-21	04/07/04	-	-	DRY
W-832-21	07/08/04	-	-	DRY
W-832-21	10/06/04	-	-	DRY
W-832-22	01/07/04	-	-	DRY/CB
W-832-22	04/07/04	-	-	NM/CB EQUIPMENT ON CB
W-832-22	07/08/04	-	-	DRY/CB EQUIP ON CB
W-832-22	10/06/04	56.11	664.86	CB
W-832-23	01/07/04	32.61	687.53	CB
W-832-23	04/07/04	31.72	688.42	CB
W-832-23	07/07/04	32.56	687.58	CB
W-832-23	10/05/04	31.04	689.10	CB
W-832-24	01/06/04	41.75	620.81	
W-832-24	04/07/04	40.12	622.44	

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-832-24	07/06/04	39.76	622.80	
W-832-24	10/05/04	41.06	621.50	
W-832-25	01/12/04	33.68	633.13	
W-832-25	04/07/04	31.99	634.82	
W-832-25	07/06/04	33.21	633.60	
W-832-25	10/05/04	34.09	632.72	
W-832-SC1	01/07/04	-	-	DRY
W-832-SC1	04/20/04	5.49	579.21	
W-832-SC1	07/08/04	5.37	579.33	
W-832-SC1	10/05/04	7.89	576.81	
W-832-SC2	01/07/04	4.55	570.32	
W-832-SC2	04/20/04	-	-	DRY
W-832-SC2	07/08/04	-	-	DRY
W-832-SC2	10/05/04	-	-	DRY
W-832-SC3	01/07/04	5.78	557.89	
W-832-SC3	04/15/04	6.05	557.62	
W-832-SC3	07/08/04	6.48	557.19	
W-832-SC3	10/06/04	6.59	557.08	
W-832-SC4	01/15/04	6.59	530.71	
W-832-SC4	04/15/04	7.07	530.23	
W-832-SC4	07/08/04	-	-	DRY/MUD
W-832-SC4	10/06/04	-	-	DRY/MUD
W-870-01	01/06/04	-	-	DRY
W-870-01	04/06/04	-	-	DRY
W-870-01	07/12/04	-	-	DRY
W-870-01	10/04/04	-	-	DRY
W-870-02	01/06/04	17.42	506.40	
W-870-02	04/06/04	17.60	506.22	CB
W-870-02	07/12/04	17.59	506.23	CB
W-870-02	10/04/04	17.93	505.89	CB
W-880-01	01/05/04	16.75	509.30	
W-880-01	04/07/04	16.93	509.12	
W-880-01	07/06/04	17.10	508.95	
W-880-01	10/04/04	17.50	508.55	
W-880-02	01/05/04	17.89	507.91	
W-880-02	04/07/04	17.98	507.82	
W-880-02	07/06/04	18.15	507.65	
W-880-02	10/04/04	17.93	507.87	
W-880-03	01/05/04	7.41	518.64	
W-880-03	04/07/04	7.00	519.05	
W-880-03	07/06/04	11.00	515.05	
W-880-03	10/04/04	12.43	513.62	

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	01/20/04	129.68	970.76	
K8-01	04/01/04	129.65	970.79	
K8-01	07/12/04	129.59	970.85	
K8-01	10/14/04	129.89	970.55	
K8-02B	01/20/04	158.80	969.62	
K8-02B	04/01/04	159.15	969.27	
K8-02B	07/12/04	159.00	969.42	
K8-02B	10/14/04	159.26	969.16	
K8-03B	01/08/04	103.72	992.87	
K8-03B	04/15/04	103.99	992.60	
K8-03B	07/12/04	104.10	992.49	
K8-03B	10/14/04	104.15	992.44	
K8-04	01/20/04	163.99	969.16	
K8-04	04/01/04	164.01	969.14	
K8-04	07/12/04	164.02	969.13	
K8-04	10/14/04	164.15	969.00	
K8-05	01/20/04	-	-	DRY
K8-05	04/01/04	-	-	DRY
K8-05	07/12/04	-	-	DRY
K8-05	10/14/04	-	-	DRY

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	01/14/04	78.28	997.23	
K9-01	04/19/04	78.35	997.16	
K9-01	07/20/04	78.11	997.40	
K9-01	10/20/04	78.00	997.51	
K9-02	01/14/04	128.90	1006.49	
K9-02	04/19/04	128.86	1006.53	
K9-02	07/20/04	128.70	1006.69	
K9-02	10/20/04	128.31	1007.08	
K9-03	01/14/04	119.65	997.43	
K9-03	04/19/04	119.68	997.40	
K9-03	07/20/04	119.49	997.59	
K9-03	10/20/04	119.33	997.75	
K9-04	01/14/04	93.10	991.52	
K9-04	04/19/04	91.68	992.94	
K9-04	07/20/04	92.98	991.64	
K9-04	10/20/04	92.76	991.86	

C-10 Building 833 ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-833-03	01/15/04	-	-	DRY
W-833-03	04/20/04	-	-	DRY
W-833-03	07/19/04	41.40	809.83	
W-833-03	10/20/04	-	-	DRY
W-833-12	01/15/04	-	-	DRY
W-833-12	04/20/04	-	-	DRY
W-833-12	07/19/04	-	-	DRY
W-833-12	10/20/04	-	-	DRY
W-833-18	01/15/04	-	-	DRY
W-833-18	04/20/04	-	-	DRY
W-833-18	07/19/04	-	-	DRY
W-833-18	10/20/04	-	-	DRY
W-833-22	01/15/04	-	-	DRY
W-833-22	04/20/04	-	-	DRY
W-833-22	07/19/04	-	-	DRY
W-833-22	10/26/04	-	-	DRY
W-833-28	01/15/04	41.89	814.03	
W-833-28	04/20/04	41.69	814.23	
W-833-28	07/19/04	41.60	814.32	
W-833-28	10/23/04	41.89	814.03	
W-833-30	01/15/04	287.50	564.16	
W-833-30	04/19/04	285.57	566.09	
W-833-30	07/19/04	287.55	564.11	
W-833-30	10/23/04	288.59	563.07	
W-833-33	01/15/04	-	-	DRY
W-833-33	04/20/04	-	-	DRY
W-833-33	07/19/04	-	-	DRY
W-833-33	10/07/04	-	-	DRY
W-833-34	01/15/04	33.82	815.10	
W-833-34	04/20/04	-	-	DRY
W-833-34	07/19/04	-	-	DRY
W-833-34	10/07/04	-	-	DRY
W-833-43	01/15/04	-	-	DRY
W-833-43	04/20/04	-	-	DRY
W-833-43	07/19/04	-	-	DRY
W-833-43	10/07/04	-	-	DRY
W-840-01	01/20/04	-	-	NM/NO ACCESS
W-840-01	04/20/04	120.65	576.43	
W-840-01	07/19/04	-	-	DRY
W-840-01	10/26/04	-	-	NM/MUDDY
W-841-01	01/15/04	-	-	DRY
W-841-01	04/20/04	-	-	DRY
W-841-01	07/19/04	-	-	DRY
W-841-01	10/07/04	-	-	DRY

C-11 Building 851 Firing Table ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-851-05	01/14/04	141.51	1130.28	
W-851-05	04/19/04	141.40	1130.39	
W-851-05	07/15/04	141.31	1130.48	
W-851-05	10/25/04	140.75	1131.04	
W-851-06	01/14/04	134.80	1130.70	
W-851-06	04/19/04	134.98	1130.52	
W-851-06	07/15/04	134.82	1130.68	
W-851-06	10/25/04	134.19	1131.31	
W-851-07	01/14/04	141.19	1130.40	
W-851-07	04/19/04	141.03	1130.56	
W-851-07	07/15/04	140.83	1130.76	
W-851-07	10/25/04	139.53	1132.06	
W-851-08	01/14/04	183.22	1089.10	
W-851-08	04/19/04	183.37	1088.95	
W-851-08	07/15/04	183.15	1089.17	
W-851-08	10/25/04	182.95	1089.37	

C-12 Pit 2 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K2-01C	01/13/04	58.01	992.62	
K2-01C	04/19/04	57.70	992.93	
K2-01C	07/13/04	57.84	992.79	
K2-01C	10/11/04	58.80	991.83	
NC2-08	01/14/04	54.45	994.92	
NC2-08	04/19/04	54.01	995.36	
NC2-08	07/19/04	54.03	995.34	
NC2-08	10/07/04	54.92	994.45	
W-PIT2-1934	04/19/04	50.80	1010.31	
W-PIT2-1935	04/19/04	65.65	990.21	

Appendix D

Analytical Results for Routine Monitoring Collected During 2003 That Were Not Available for Publishing in the 2003 Annual CMP

D-1. Metals in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Analyte	NC7-29 06/17/03	NC7-56 06/17/03	NC7-58 06/12/03	NC7-59 06/12/03	NC7-60 06/16/03	NC7-62 06/12/03	NC7-70 06/20/03	W-PIT6-1819 06/26/03
Arsenic (mg/L)	0.035	0.019	0.016	0.010	0.015	0.015	0.017	0.021
Barium (mg/L)	0.18	0.053	0.048	0.038	0.036	0.041	0.044	<0.025
Cadmium (mg/L)	<0.0005	<0.0005	0.0011	<0.0005	0.00080	0.0061	<0.0005	<0.0005
Chromium (mg/L)	0.0010	<0.001	<0.001	<0.001	0.0010	<0.001	<0.001	<0.001
Lead (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	<0.0002	<0.0002 L	<0.0002	<0.0002	<0.0002 L	<0.0002	<0.0002	<0.0002
Selenium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
Silver (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

D-2. Nitrate and perchlorate in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (ug/L)
EP6-06	05/08/03	<0.44	<4
EP6-09	05/22/03	2.7	<4
K6-01S	05/07/03	<0.88 D	<4
K6-19	05/07/03	<0.44	<4
K6-36	05/22/03	0.59	5.8
NC2-15	06/23/03	43 D	-
NC2-19	06/23/03	83 D	-
NC7-56	06/17/03	48 D	-
NC7-58	06/12/03	51 D	-
NC7-59	06/12/03	45 D	-
NC7-60	06/16/03	5.2	-
NC7-62	06/12/03	51 D	-
NC7-70	06/17/03	67 D	-
W-806-06A	06/20/03	<0.1 H	<4
W-827-05	02/21/03	-	<3
W-827-05	05/23/03	0.20	<4
W-829-15	02/24/03	-	<3
W-829-15	05/09/03	-	<4
W-829-15	05/09/03 DUP	-	<4
W-829-22	02/25/03	-	<3
W-829-22	05/09/03	-	<4
W-880-01	03/14/03	<0.44	<4
W-880-02	03/14/03	<0.88 D	<8 D

D-3. Nitrate and perchlorate in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Analyte	NC7-29 06/17/03	NC7-70 06/20/03	W-806-06A 06/20/03	W-880-01 03/14/03	W-880-02 03/14/03
Bromodichloromethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane (ug/L)	<0.5	<0.5	<0.5	<1	<1
Carbon tetrachloride (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether (ug/L)	<1	<1	<1	<10	<10
Chloroform (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (ug/L)	<0.5	1.0	<0.5	<0.5	<0.5
1,1-Dichloroethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (total) (ug/L)	<0.5	<0.5	<0.5	<1	<1
1,2-Dichloropropane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Freon 113 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (ug/L)	<3	<3	<3	<1	<1
1,1,2,2-Tetrachloroethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5
Total Trihalomethanes (ug/L)	-	-	-	<2	<2
Vinyl chloride (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5

D-4. Polychlorinated biphenyls in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Analyte	EP6-06 05/08/03	EP6-09 05/22/03	K6-01S 05/07/03	K6-19 05/07/03	K6-36 05/22/03	NC7-70 06/20/03
PCB 1016 (ug/L)	<0.2	<0.2	<0.2	<0.3	<0.2	<0.5
PCB 1221 (ug/L)	<0.2	<0.2	<0.2	<0.3	<0.2	<0.5
PCB 1232 (ug/L)	<0.2	<0.2	<0.2	<0.3	<0.2	<0.5
PCB 1242 (ug/L)	<0.2	<0.2	<0.2	<0.3	<0.2	<0.5
PCB 1248 (ug/L)	<0.2	<0.2	<0.2	<0.3	<0.2	<0.5
PCB 1254 (ug/L)	<0.2	<0.2	<0.2	<0.3	<0.2	<0.5
PCB 1260 (ug/L)	<0.2	<0.2 O	<0.2	<0.3	<0.2 O	<0.5

D-5. High explosive compounds in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Location	Date	HMX (ug/L)	RDX (ug/L)	TNT (ug/L)
NC7-29	06/17/03	<1	<1	-
NC7-70	06/20/03	<1	<1	-
W-806-06A	06/20/03	<1	<1	-
W-827-05	05/23/03	<1	<1	-
W-829-15	05/09/03	<5	<5	<5
W-829-15	05/09/03 DUP	<5	<5	<5
W-829-22	05/09/03	<5	<5	<5
W-880-01	03/14/03	<5	<5	-
W-880-02	03/14/03	<5	<5	-
W-PIT6-1819	06/26/03	<5	<5	-

D-6. Gross alpha and gross beta in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)
EP6-06	02/13/03	5.2 ± 3.4	8.6 ± 2.5
EP6-06	05/08/03	<1.46	8.8 ± 1.9
EP6-08	05/23/03	<1.74	10 ± 2.0
EP6-09	02/14/03	<2.02	9.3 ± 3.5
EP6-09	05/22/03	<2.32	11 ± 2.5
K6-01S	02/14/03	<6.37	<18.5
K6-01S	05/07/03	4.5 ± 3.4	17 ± 6.0
K6-19	02/18/03	<1.73	8.5 ± 2.2
K6-19	05/07/03	2.0 ± 1.6	9.7 ± 2.9
K6-36	02/18/03	<2.8	11 ± 2.9
K6-36	05/22/03	<1.99	18 ± 4.1

D-7. Tritium in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Location	Date	Tritium (pCi/L)
EP6-06	02/13/03	<108
EP6-06	05/08/03	<98.8
EP6-08	05/23/03	<90.5
EP6-09	02/14/03	<105
EP6-09	05/22/03	<102
K6-01S	02/14/03	100 ± 66
K6-01S	05/07/03	<95.1
K6-03	02/20/03	120 ± 64
K6-04	02/19/03	<105
K6-04	02/19/03 DUP	<106
K6-19	02/18/03	250 ± 71
K6-19	05/07/03	270 ± 68
K6-32	02/20/03	<104
K6-36	02/18/03	1,600 ± 180
K6-36	05/22/03	1,900 ± 200

D-8. Diesel range organic compounds in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Location	Date	Diesel Fuel (ug/L)
NC7-70	06/20/03	<50

D-9. Uranium and thorium isotopes in ground water collected during 2003 that were not available for publishing in the 2003 annual CMR.

Analyte	NC7-28 01/25/03	NC7-28 05/28/03	NC7-56 06/17/03
Thorium 232 (pCi/L)	0.00059 ± 0.000060	0.00028 ± 0.000017	0.00073 ± 0.000023
Uranium (pCi/L)	10 ± 0.050	11 ± 0.29	3.9 ± 0.12
Uranium 234 by mass measurement (pCi/L)	<0.062	3.4 ± 0.29	2.3 ± 0.12
Uranium 235 by mass measurement (pCi/L)	0.16 ± 0.0016	0.12 ± 0.0014	0.072 ± 0.00063
Uranium 236 by mass measurement (pCi/L)	0.059 ± 0.0070	0.043 ± 0.0030	<0.007
Uranium 238 by mass measurement (pCi/L)	9.9 ± 0.050	7.7 ± 0.060	1.6 ± 0.0094
Uranium 235/238 (NA)	0.0025 ± 0.000020	0.0024 ± 0.000022	0.0072 ± 0.000046