U.S. Department of Energy

Livermore Site Office, Livermore, California 94550

Lawrence Livermore National Laboratory

University of California, Livermore, California 94550

UCRL-AR-206319-05

2005 Annual Compliance Monitoring Report Lawrence Livermore National Laboratory Site 300

Authors:

V. Dibley
M. Taffet
J. Valett*
M. Denton*
S. Gregory
T. Carlsen
Z. Demir
W. Daily
D. Mason*
P. McKereghan
R. Goodrich
S. Chamberlain

Contributors:

R. Depue
K. Heyward
S. Lambaren
G. Lorega
D. MacQueen
V. Madrid
S. Martins
L. Paterson
J. Radyk*

March 31, 2006

*Weiss Associates, Emeryville, California

Environmental Protection Department

Environmental Restoration Division

This work was performed under the auspices of the U. S. Department of Energy by the University of California, Lawrence Livermore National Laboratory under Contract W-7405-Eng-48.

UCRL-AR-206319-05

2005 Annual
Compliance Monitoring Report
Lawrence Livermore National Laboratory
Site 300

Authors:

V. Dibley
M. Taffet
J. Valett*
M. Denton*
S. Gregory
T. Carlsen
Z. Demir
W. Daily
D. Mason*
P. McKereghan
R. Goodrich
S. Chamberlain

Contributors:

R. Depue
K. Heyward
S. Lambaren
G. Lorega
D. MacQueen
V. Madrid
S. Martins
L. Paterson
J. Radyk*

March 31, 2006

*Weiss Associates, Emeryville, California

Table of Contents

List of Figures

List of Tables

Appendices
(See attached CD)

Errata

1. Introduction

This Compliance Monitoring Report (CMR) summarizes the Lawrence Livermore National Laboratory (LLNL) Site 300 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Remedial Action compliance monitoring activities performed during January through December 2005. 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. The Eastern GSA RWQCB National Pollutant Discharge Elimination System (NPDES) Order No. 97-242 was rescinded in August 2005 and the permit was converted to Substantive Requirements. The Eastern GSA monitoring data from the third and fourth quarters of 2005 are included in the 2005 annual CMR. The Eastern GSA will also be included in future CMRs.

During the reporting period of January through December 2005, 26,514 thousands of gallons of ground water and 39,248 thousands of cubic feet of soil vapor were treated at Site 300, removing approximately 90,000 grams (g) of volatile organic compounds (VOCs), 740 kg nitrate, 85 g RDX, 410 g of tetrabutyl ortho silicate (TBOS) and 89 g perchlorate (Table Summ-1).

Since remediation began in 1991, approximately 310,718 thousands of gallons of ground water and over 186,361 thousands of cubic feet of soil vapor have been treated, removing approximately 380 kilograms (kg) of VOCs, 3,400 kg nitrate, 0.57 kg RDX, 9.4 kg TBOS, and 400 g perchlorate (Table Summ-2).

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

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

2.1. General Services Area OU 1

2.2. Building 834 OU 2

2.3. Pit 6 Landfill (Pit 6) OU 3

2.4. High Explosive Process Area OU 4

2.5. Building 850 OU 5

2.6. Building 854 OU 6

2.7. Building 832 Canyon OU 7

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

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

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

Second semester 2005 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 2005 sampling events, so these contours were over-laid onto first semester extent of saturation. As a result, in some cases the maximum concentration reported in the text for a particular COC might not agree with the posted value on the contour map because the maximum concentration sample was collected during the other semester.

Treatment facility operations and maintenance issues that occurred during the second semester of 2005 and influent and effluent analytical data collected during second semester 2005 are included in this report. Treatment facility pH, dissolved oxygen, and temperature data collected during the second semester of 2005 are presented in Appendix A. Ground and surface water monitoring analytical data and ground water elevations for the entire calendar year 2005 are presented in Appendices B and C, respectively.

During 2005, 6 compliance monitor wells, 2 injection wells, 2 extraction wells, 3 characterization monitor wells, and 6 boreholes were installed. Table 2-1 lists the wells and boreholes installed during 2005. Analytical results for soil samples collected and analyzed during 2005 are presented in Appendix D.

2.1. General Services Area (GSA) OU1

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

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

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

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

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

The Central GSA GWTS treats ground water for VOCs and has been in operation since 1992. Contaminated ground water is extracted from eight wells (W-7I, W-875-07, W-875-08, W-873-07, W-872-02, W-7O, W-7P, and W-7R). Wells W-7P and W-7R were added to the extraction wellfield as part of the phase II expansion efforts that were completed in May 2005. The current GWTS configuration includes particulate filtration, air stripping to remove VOCs from extracted water, and granular activated carbon (GAC) to treat vapor effluent from the air stripper. Treated ground water is discharged to the surrounding natural vegetation using misting towers. Treated vapors are discharged to the atmosphere under permit from the San Joaquin Valley Unified Air Pollution Control District.

The Central GSA soil vapor extraction (SVE) and treatment system treats soil vapor for VOCs and has been in operation in the GSA adjacent to the Building 875 dry well contaminant source area since 1994. 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 2.1-2

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

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

2.1.1.1. GSA Facility Performance Assessment

The monthly ground water and soil vapor discharge volumes and rates and operational hours are summarized in Table 2.1-1 and 2.1.2. The total volume of ground water and vapor extracted and treated and mass removed during the reporting period is presented in Table Summ-1. The cumulative volume of ground water and soil vapor treated and discharged and mass removed is summarized in Table Summ-2. Analytical results for influent and effluent samples are shown in Tables 2.1-3 through 2.1-9. The pH, dissolved oxygen, and temperature measurement results are presented in Appendix A.

2.1.1.2. GSA Operations and Maintenance Issues

The Central GSA SVE and the Eastern and Central GSA GWTSs operated continuously throughout the second semester of 2005 with the following exceptions:

- The Eastern and Central GSA treatment facilities shut down July 4th, due to a fire near Building 836 that disabled a power transformer resulting in a power outage in the southeast part of Site 300. The facilities were brought back online July 5th.

- The Central GSA GWTS went off-line over the weekend of July 9th and 10th due to a power outage and wouldn't restart due to a pump failure. The pump was repaired and restarted on July 12th.
- The Eastern GSA GWTS was shutdown from August 2nd to the 5th due to a failed pump in W-26R-03.
- The Central GSA GWTS was temporarily shut down on October 5th due to a failed discharge pump that was immediately replaced.

The following maintenance was performed at the Eastern and Central GSA treatment facilities:

- Eastern GSA flow meter in well W-25N-24 required maintenance in July and August.
- The Central GSA misting tower spray heads were getting clogged up quickly necessitating frequent maintenance. A stinger was added to the discharge tank to minimize oxygenating the discharge water and a filter was added to the inlet of the discharge tank to remove any rust generated from the length of metal pipe upstream.
- Vapor extraction from Central GSA well W-7I is being discontinued due to the lack of flow. Additional vacuum will be applied to the remaining extraction wells (W-875-07, -08, and -10) to increase soil vapor extraction rates and ground water yields.

Groundwater extraction from new Central GSA extraction wells W-7R and W-7P commenced in May and October. The addition of these extraction wells constitutes the completion of the Phase II facility expansion.

2.1.1.3. 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. In addition, no surface water was present in Corral Hollow Creek during the second semester 2005 to necessitate Eastern GSA receiving water monitoring. However, receiving water monitoring was conducted for Eastern GSA during the first semester of 2005. The data were reported in the First and Second Quarter Eastern GSA Quarterly Reports.

2.1.1.4. GSA Compliance Summary

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

The Eastern GSA GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge. The RWQCB has given LLNL permission to discharge selenium and dissolved solids above discharge limits until 2010. Selenium was detected in the GWTS effluent sample collected in July 2005 at 11 μg/L. This exceeds the daily maximum discharge limit of 8.2 μg/L and the monthly average of 4.1 μg/L. Selenium was also detected in the influent sample collected on this date at a concentration of 12 μg/L. All other selenium samples collected during the last semester were below the discharge limits. In addition to the selenium, the specific conductance of all effluent samples collected during the semester was above the monthly average of 900 μmhos/cm. Five of the six samples collected had a specific conductance of 1,700 μmhos/cm, with the 6th at 1,600 μmhos/cm. Issues regarding discharge limits for both selenium and specific conductance are included in the EGSA Remediation Optimization Plan (Ferry and Holtzapple, 2006). As discussed in this plan, DOE/LLNL have committed to be within compliance for these constituents by 2010 or this facility will be shut down.

Eastern GSA Monitoring and Reporting Program Certification

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

Gregory Santucci, (925) 422-3089

Edwin Folsom, (925) 422-0389

The Operations and Maintenance (O&M) Manual for the Central and Eastern GSA extraction and treatment systems were last updated in 2004 (Daily, 2004) and 1999 (LLNL, 1999), respectively. The revision of the Eastern GSA ground water extraction and treatment system O&M Manual is in progress.

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

2.1.1.5. GSA Facility Sampling Plan Evaluation and Modifications

The GSA treatment facility sampling and analysis plans comply with Substantive Requirements and the GSA CMP (1998) monitoring requirements. The treatment facility sampling and analysis plans are presented in Table 2.1-10. There were no modifications made to the plan during the reporting period.

2.1.2. GSA Surface Water and Ground Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; one sample was not collected due to flooding/lack of access, one sample was not collected because the pump was down, and nine samples were not collected due to dry conditions or insufficient water. The sampling and analysis plans for ground water and surface water monitoring at the Central and Eastern GSA are presented in Tables 2.1-11 and 2.1.12, respectively. These tables also delineate and explain deviations from the sampling plan and indicate any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface maps of the Eastern and Central GSA are presented in Figures 2.1-3 and 2.1-4, respectively. Ground water 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. GSA Remediation Progress Analysis

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

2.1.3.1. GSA Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Tables 2.1-13 and 2.1-14. The cumulative mass estimates are summarized in Table Summ-2.

2.1.3.2. GSA Contaminant Concentrations and Distribution

At the Eastern GSA, VOCs are the primary COCs in ground water. A VOC plume exists within a shallow hydrostratigraphic unit (HSU) (Qal-$Tnbs_1$) contained within Quaternary alluvial deposits (Qal) that directly overlie $Tnbs_1$ bedrock. Underlying the Qal-$Tnbs_1$ HSU, very low and intermittent VOC concentrations exist within the $Tnbs_1$. A total VOC isoconcentration contour map for the Qal-$Tnbs_1$ HSU is presented in Figure 2.1.5.

The current (second semester 2005) maximum total VOC concentration in the Qal-$Tnbs_1$ HSU (5.5 μg/L, October 2005) was detected in a sample from well W-26R-01, located in the immediate vicinity of the debris burial pit where the historical maximum total VOC concentrations have been detected (69.5 μg/L, October 1989). VOCs have been detected at low concentrations in only one $Tnbs_1$ well, W-25N-08 at a concentration of 0.56 μg/L (November 2005). Second semester 2005 data indicate that remediation of Eastern GSA ground water has successfully reduced concentrations of TCE and other VOCs to below their drinking water maximum contaminant levels (MCL) in all wells. Since extraction and treatment began at the Eastern GSA in 1991, TCE concentrations in ground water have decreased from a historical maximum of 74 μg/L to below analytical reporting limits (0.5 μg/L) in the majority of wells. Wells with TCE concentrations exceeding the MCL have decreased from 18 to 0.

At the Central GSA, VOCs are the primary COC in ground water and soil vapor. VOCs are present in three HSUs. 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 total VOC isoconcentration contour map for the Qt-$Tnsc_1$ HSU is presented in Figure 2.1.6. 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 detectable total VOCs in the shallow Qt-$Tnsc_1$ HSU is similar to that shown in the First Semester 2005 CMR. The current (second semester 2005) maximum total VOC concentration in the Qt-$Tnsc_1$ HSU (473.18 μg/L, July 2005) was detected in a sample from well W-7I, located in the Building 875 dry well pad area where the historical maximum total VOC concentrations have been detected (133,000 μg/L, July 1993). 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 at low concentrations in only one $Tnbs_1$ well, W-7N at a concentration of 0.56 μg/L (November 2005). In light of the very low concentration detected in only one $Tnbs_1$ well, a map depicting VOCs in the $Tnbs_1$ HSU is not included in this report. During third quarter 2005, a ground water sample collected from well W-875-07 contained a lead concentration of 0.023 mg/L, exceeding the action limit of 0.015 mg/L. Subsequent inquiry resulted in the finding that this sample was not filtered before analysis. Ground water from this well

(W-875-07) was sampled for lead again during fourth quarter 2005 and the result was non-detect (<0.005 mg/L).

The Central GSA SVE system was operating fulltime during 2005. This was the first full year of operation since rebound testing ended in October 2004. Results of the rebound test are described in Section 2.1.3.3 below. A TCE soil vapor concentration contour map for second semester 2005 is presented in Figure 2.1-7. The concentrations were similar to those shown during first semester 2005.

2.1.3.3. GSA Remediation Optimization Evaluation

At the Eastern GSA, DOE/LLNL has proposed to initiate the "Requirements for Closeout" described in the Remedial Design for the GSA Operable Unit (OU) (Rueth et al., 1998). These requirements specify that, "when VOC concentrations in ground water have been reduced to cleanup standards, the ground water extraction and treatment system will be shut off and placed on standby." As required, ground water monitoring will be conducted to determine if VOC concentrations rise or "rebound" above cleanup standards after extraction ceases. No additional action is expected to achieve cleanup standards unless monitoring indicates that VOC concentrations rebound.

During the second semester of 2005, Central GSA extraction wells W-7O and W-7R 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 2.1-4, 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. Two wells, W-7P and W-7R, were converted from monitoring wells to extraction wells as part of the Phase II expansion of the Central GSA in May 2005. These wells were chosen to more efficiently capture the downgradient Central GSA contaminant plume that may be partially emanating from the debris burial pit. Wells W-7R and W-7P started pumping in May and October 2005, respectively. W-7R is pumping at approximately 3.5 gpm and W-7P is pumping at approximately 0.5 gpm.

In order to evaluate remaining TCE source magnitude, a soil vapor rebound test was conducted at the Central GSA from December 2003 to October 2004. The rebound test consisted of shutting down vapor extraction for 10 months while monitoring the rebound of vapor concentrations in individual extraction wells. The SVE influent TCE concentration decreased from a historical maximum of 417 $ppm_{v/v}$ six months after startup of SVE (January 1995) to a maximum concentration following the 2004 rebound period of 1.1 $ppm_{v/v}$ suggesting a significant decrease in source magnitude. With the exception of well W-7I, vapor TCE concentrations measured in individual wells decreased from historical maximums ranging from 58 - 529 $ppm_{v/v}$ to 0.6 - 1.8 $ppm_{v/v}$ during long-term active extraction. These low vapor concentrations are indicative of diffusion-limited conditions. Following the shutdown of SVE, the maximum TCE concentrations observed during the rebound period ranged from 6 to 29 $ppm_{v/v}$. Well W-7I decreased from a historical maximum TCE concentration of 200 $ppm_{v/v}$, to a diffusion limited TCE concentration of 2.8 $ppm_{v/v}$, and the maximum TCE concentration during the rebound period increased significantly to 316 $ppm_{v/v}$. However, in November 2005, a test of individual well vapor flow rates indicated no flow from well W-7I, and this well has been discontinued as an SVE well. Future optimization of the Central GSA vapor treatment system will include 1) rebound testing to evaluate source magnitude, 2) reconfiguration of extraction versus inlet wells, and 3) installation of individual vapor flow meters to more accurately track flow and mass removal from individual wells.

2.1.3.4. 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. 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. A map of Building 834 OU showing the locations of monitoring and extraction wells and treatment facilities is presented in Figure 2.2-1.

GWTS and SVE systems have been operating in the Building 834 OU since 1995 and 1998, respectively. These systems are located in the main part of the Building 834 Complex, referred to as the Building 834 core area. The GWTS treats VOCs, nitrate, and TBOS within the shallow Tpsg HSU and the SVE system treats VOCs in the shallow ground water and vadose zone. 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 ground water 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 the upconing of the ground water in the well that covers the well screen and prevents soil vapor flow.

The current extraction wellfield consists of 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. Nitrate-bearing treated ground water is discharged to the surrounding grasslands via a misting system to be utilized by the indigenous grasses. The current SVE configuration includes vapor-phase GAC for VOC removal. Treated vapors are discharged to the atmosphere under an air permit from the San Joaquin Valley Unified Air Pollution Control District.

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

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

2.2.1.1. Building 834 OU Facility Performance Assessment

The monthly ground water and soil vapor discharge volumes and rates and operational hours are summarized in Table 2.2-1. The total volume of ground water and vapor extracted and treated and mass removed during the reporting period is presented in Table Summ-1. The cumulative volume of ground water and soil vapor treated and discharged and mass removed is summarized in Table Summ-2. Analytical results for influent and effluent samples are shown in Tables 2.1-2 through 2.1-5. The pH measurement results are presented in Appendix A.

2.2.1.2. Building 834 OU Operations and Maintenance Issues

The Building 834 SVE and GWTS operated normally and continuously during the second semester of 2005 with the following exceptions:

- Power to the facility had to be shutdown for a few hours on July 5th and again on the 11th to correct problems with a transformer caused by a fire near Building 836.
- GAC profile sampling for the SVE system was conducted on July 7th in preparation for GAC change-out. This necessitated SVE system shutdown for approximately 4 hours.
- The system shut down occasionally during second semester due to high level interlocks in the effluent storage tanks. Due to pumping rate differences between the transfer pump and the discharge pump, water had been transferred to the effluent storage tanks faster that the discharge pump could discharge the water to the misting towers. When this occurred at near full tank levels, the high-high interlock would shutdown the facility. The high level switch in the effluent tank was lowered so that the tank would empty before getting too full, thus preventing the interlock shutdown. The system will be closely monitored to insure this fixed the problem.
- The SVE system was shut down from November 15th to the 16th for GAC change out.
- The facility was shut down and drained on December 15th to protect it against damage caused by freezing temperatures.

The heat exchange unit for the SVE system was activated to remove condensate and reduce the effluent vapor stream temperature. This will increase the efficiency of GAC in removing VOCs from soil vapor. A larger circulation pump was installed on September 13th to overcome backpressure from the heat exchange unit. Within minutes of activation, the effluent vapor stream had been cooled from 140 degrees F to below 80 degrees F.

2.2.1.3. Building 834 OU Compliance Summary

The Building 834 GWTS operated in compliance with the Substantive Requirements for Wastewater Discharge. TBOS was detected in the October 11, 2005 effluent sample at a concentration of 5.6 μg/L. As specified in the Interim Remedial Design (RD) for the Building 834 OU (Gregory et al., 2002), the use of aqueous phase granular activated carbon (GAC) has the potential of allowing the release of low levels (<15 μg/L) of silicon oils such as TBOS. However, as evaluated in the RD, no negative impacts are anticipated resulting from the misting of treated ground water containing detectable levels of TBOS. As is customary, the GWTS effluent was re-sampled following the effluent hit of TBOS to verify results. No TBOS was detected above the reporting limit of 1.0 μg/L in this sample or any subsequent samples collected during 2005.

The Building 834 SVE and treatment system operated in compliance with the San Joaquin Valley Unified Air Pollution Control District permit limitations.

2.2.1.4. Building 834 OU Facility Sampling Plan Evaluation and Modifications

The Building 834 treatment facility sampling and analysis plan complies with CMP monitoring requirements. The sampling and analysis plan is presented in Table 2.2-6. The only modifications made to the plan during the reporting period included additional sampling for system evaluations.

2.2.2. Building 834 OU Ground Water Monitoring

During this reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; seventy samples were not collected due to dry conditions or insufficient water and 17 samples were not collected due to the tracer study being conducted in the T2 cluster area which is discussed in section 2.2.3.3. 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. Ground water elevations are presented in Appendix C.

2.2.3. Building 834 OU Remediation Progress Analysis

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

2.2.3.1. Building 834 OU Mass Removal

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

2.2.3.2. Building 834 OU Contaminant Concentrations and Distribution

At the Building 834 OU, VOCs are the primary COCs detected in ground water; TBOS, diesel, benzene, toluene, ethylbenzene, and total xylene (BTEX), and nitrate are the secondary COCs. These COCs have been identified in two shallow HSUs, the Tpsg perched water-bearing gravel zone and the underlying Tps-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. Maps showing TBOS and nitrate concentrations for the Tpsg perched water-bearing zone are included as Figures 2.2-4 and 2.2-5, respectively. No diesel range organic compound isoconcentration contour map is included, as only two wells contain diesel contamination. In addition, BTEX detections have historically been very sporadic in only a small subset of wells. Therefore, no BTEX isoconcentration contour map is included. COCs are discussed below by the three subareas which comprise the Building 834 OU: the core area, the leachfield area, and the distal T2 area.

Core Area

Within the Tpsg HSU in the Building 834 core area, total VOC concentrations ranged from a high of 58,000 μg/L (August 2005) in a ground water sample obtained from well W-834-C5, to a low of 57 μg/L in a sample obtained from well W-834-D18 (August 2005). VOC concentrations in this area have remained constant over the last few years possibly due to the presence of residual free-phase TCE that continues to contribute to the dissolved phase VOC plume. However, when compared to VOC concentrations prior to active ground water and soil vapor extraction, the concentrations are dramatically lower. In the areas impacted by active extraction, ground water VOC concentrations have dropped by at least two orders of magnitude. VOC concentrations in some wells have dropped by even three orders of magnitude. The average TCE concentration within the Tpsg HSU in the core area between 1993 and 1994 was 84,000 μg/L. This has dropped to an average core area TCE concentration of 8,000 μg/L in the last two years. This decline in VOC concentrations exemplifies the effectiveness of the cleanup operations.

The highest total VOC ground water concentrations in the Building 834 OU occurred within the core area in the underlying Tps-$Tnsc_2$ perching horizon. A ground water sample collected from the Tps-$Tnsc_2$ HSU core area well W-834-A1 contained 190,000 μg/L (August 2005) of total VOCs during the second semester of 2005. VOCs at these concentrations in ground water are generally indicative of free phase product. The concentrations within the Tps-$Tnsc_2$ 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-$Tnsc_2$ 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 hydraulic fracturing and biodegradation might have to be employed to remediate the underlying perching horizons.

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 byproduct of this biodegradation has historically been cis-1,2-DCE, although limited vinyl chloride has also been detected. Twenty-two wells within the core area had measurable quantities of cis-1,2-DCE during the second semester 2005, with the highest concentration detected in well W-834-C5 at 19,000 μg/L (August 2005). Vinyl chloride was detected during the second semester 2005 in ground water samples from three core area wells (W-834-B3, -D3, and –D5) at concentrations ranging from 0.75 μg/L to 74 μg/L.

TBOS continues to be detected at high concentrations almost exclusively in the core area where this compound exists as floating product. The second semester 2005 maximum TBOS concentration (59,000 μg/L, August 2005) was measured in well W-834-D4. The wells with the highest historical 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, primarily in wells W-834-D3 and W-834-D4.

The 2005 maximum nitrate concentration within the core area was detected in the sample from well W-834-D13 (120 milligrams per liter [mg/L], March 2005). 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 concentration to the treatment facility has continued to exhibit an increasing trend since the initial startup in October of 2004. Concentrations have increased from 35 mg/L in October 2004 to 96 mg/L in October 2005. This increase is probably due to the introduction of oxygen into the subsurface during SVE operation that subdues intrinsic biodegradation and denitrification.

The extent of diesel contamination related to the previous underground storage tank appears to be limited to a very small area. A 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 seven wells within the Building 834 OU during 2005, only two of these wells, 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 which elute within the diesel range. These data have been flagged as not typical of diesel fuel. BTEX monitoring was conducted in all Building 834 area wells. Only two wells had positive detections for BTEX compounds. Total xylene isomers were detected at 2.3 μg/L in well W-834-2001 (February 2005), while benzene and toluene were detected at concentrations of 1.2 μg/L and 1.4 μg/L, respectively, from samples collected from well W-834-A1 in January 2005. BTEX compounds were not detected in these wells (W-834-2001 and W-834-A1) during second semester 2005. BTEX data will continue to be evaluated to justify the reduction in the number of wells used to track this contamination.

Chromium monitoring continues in wells that were affected by improperly wired pressure transducers that produced electrical short circuits in 2000. Chromium samples were collected from nine wells during 2005. Although all routine chromium concentrations remained below the MCL of 0.05 mg/L, the chromium concentrations in ground water samples from well W-834-M1 (0.01 mg/L, February 2005) continues to persist above background concentrations prior to the transducer incident. An intralaboratory duplicate analysis of this well was reported at 0.05 mg/L, although it is suspected that this sample was not filtered prior to analysis, giving false high results. Additional organic compounds related to galvanic reactions associated with the shorting transducer in well W-834-M1 were also detected in ground water samples. These additional compounds include chloroform, 1, 3-dichlorobenzene, bromodichloromethane, and dibromochloromethane. None of these organic compounds were detected in this well prior to the transducer incident.

Although not one of the COCs for the Building 834 area, perchlorate samples were collected from all new wells during 2005. One sample collected from core area well W-834-1711 contained a perchlorate concentration of 28 μg/L (August 2005). This well will be re-sampled for perchlorate during first semester 2006.

Leachfield Area

The VOC concentrations in the leachfield area Tpsg HSU continue to be relatively stable. The maximum total VOC concentration in the leachfield area during the second semester 2005 was detected in a ground water sample from Tpsg well W-834-2113 (20,000 μg/L, October 2005). Residual free-phase product may be present in the leachfield area as demonstrated by the long-term stable VOC concentrations. Cis-1,2-DCE has also been detected in five leachfield area wells during second semester 2005, and although low concentrations of TBOS have been periodically detected in some leachfield area wells, it has not yet been determined whether TBOS fermentation is the main driving mechanism for biodegradation within the leachfield area. No vinyl chloride has ever been detected in any leachfield area wells.

TBOS was not detected in any wells within the leachfield during second semester 2005. The maximum nitrate concentration in the leachfield area was detected in a sample from well W-834-S8 (116 mg/L, February 2005).

Distal T2 Area

Throughout 2005, ground water samples were collected in the T2 Area during the performance of a long-term tracer injection test in the vicinity of the T2 wells. VOC and nitrate results for samples collected in the vicinity of the T2 wells as part of the tracer test during 2005 are presented in Appendix E.

The VOC concentrations in the distal T2 area Tpsg HSU continue to be relatively stable. The maximum total VOC concentration in the T2 area during the second semester 2005 was detected in a ground water sample from Tpsg well W-834-T2B (23,000 μg/L, August 2005). Residual free-phase product may still be present in the distal area as demonstrated by the long-term stable VOC concentrations. Cis-1,2-DCE has also been detected in six T2 area wells during second semester 2005, and although low concentrations of TBOS have been periodically detected in some T2 area wells, it has not yet been determined whether TBOS fermentation is the main driving mechanism for biodegradation within the distal areas. No vinyl chloride has ever been detected in any T2 area wells.

TBOS was not detected in any wells within the T2 Area during second semester 2005. TBOS continues to remain below reporting limits in the deep $Tnbs_1$ guard wells, W-834-T1 and W-834-T3. The maximum nitrate concentration in the T2 area was again detected in a sample from well W-834-S7 (328 mg/L, February 2005). Nitrate concentrations remained below reporting limits in the ground water sample collected from one of the deep $Tnbs_1$ guard wells W-834-T1, but was detected at a concentration of 21.7 mg/L in the other guard well, W-834-T3.

Although not one of the COCs for the Building 834 area, perchlorate samples were collected from all new wells during 2005. Samples collected from wells W-834-2117 and W-834-2118 contained detections of perchlorate at 7.8 μg/L (June, 2005) and 11 μg/L (June, 2005), respectively. Perchlorate was not detected in samples from wells W-834-2117 and W-834-2118 during second semester 2005

The long-term tracer injection test was conducted to assess fluid injection into the TCE contaminated T2 area to determine the efficacy of in situ source area remediation techniques (enhanced bioremediation and bioaugmentation) at Site 300. This was done by conducting a constant head injection test from January 18 to July 26, 2005 during which time more than 6,250 gallons of Hetch-Hetchy tracer water was injected into the Tpsg HSU in well W-834-1824. The stabilized injection rate was 0.02 gallons per minute while maintaining a constant head of tracer water in the injection well 16 feet above the static water table. Based on analysis of stable isotopes (delta deuterium and delta O-18) in ground water samples collected from all the T2 area observation wells at the end of injection period, tracer water was detected in three of the five wells W-834-T2, W-834-1825, and W-834-1833. The greatest percentage (25%) of tracer water was detected in the nearest down gradient well W-834-T2 while W-834-1824 and W-834-1833 detected 12 % and 5% tracer respectively. Significant decreases in TCE concentrations were also observed in the wells where tracer water was detected. These TCE concentrations have been gradually rebounding since July 26, 2005.

From this test it was concluded that it is feasible to treat the Tpsg in the T2 area using fluid injection although the injection rate will be low. These results are being used to design the second phase of this test that involves injection of a carbon source (ethanol or lactate) followed by injection of anaerobic bacteria (KB-1) capable of completely metabolizing TCE to benign byproducts. This phase of the experiment is scheduled for implementation in May 2006 pending regulatory approval of the work plan.

2.2.3.3. Building 834 OU Remediation Optimization Evaluation

The GWTS was operational throughout 2005 and the SVE system operated from May to December 2005. Although the SVE system only operated for eight months, significant VOC mass was removed from the vapor phase during this period of operation mostly due to the three 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 55% (45.63 kg) of VOC mass removed in vapor during 2005.

Although the VOC mass removed from the ground water increased only slightly when compared to previous operating periods, there was an increase in ground water yield and subsequent VOC mass removal with the activation of the SVE system. For the four months with only GWE, the average monthly mass removal rate was 0.18 grams per hour of operations. This increased to 0.5 grams removed per hour of operations with SVE enhancement.

2.2.3.4. Building 834 OU Performance Issues

There were no performance issues during this reporting period.

2.3. Pit 6 Landfill (Pit 6) OU3

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

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

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

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring and post-closure requirements with the following exceptions; twenty-five samples were not collected because they were dry. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.3-1. Analytical results are presented in Appendix B.

In addition to satisfying the CMP and post-closure sampling requirements, ground water is also monitored at the Pit 6 Landfill 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 for the second Semester 2005 is presented in Figure 2.3-2. Ground water elevation data collected from wells within the OU are similar to those collected during past semesters. Ground water generally occurred at about 30 feet below the buried waste trenches. Ground water elevation data are presented in Appendix C.

2.3.2. Pit 6 Landfill OU Remediation Progress Analysis

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

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

At the Pit 6 Landfill OU, VOCs and tritium are the primary COCs detected in ground water. Perchlorate and nitrate are secondary COCs.

A 2005 ground water total VOC isoconcentration contour map for the Pit 6 Landfill OU is presented in Figure 2.3-3. TCE was detected in ground water samples from eight wells during the second semester with concentrations ranging from 0.53 μg/L to 6.4 μg/L. TCE concentration was above the 5 μg/L MCL in a sample from only one well, EP6-09, during the semester and year at a maximum concentration of 6.4 μg/L. Other VOCs detected in ground water include cis-1,2-DCE and PCE. Similar to 2004, cis-1,2-DCE was detected in ground water samples from the same two wells with concentrations ranging from 0.57 μg/L in the sample from well K6-01 (March 2005) to 2.6 μg/L in the sample from well K6-01S (March 2005). During the second semester, samples from these two wells contained <0 0.5 μg/L and 2.4 μg/L of 1,2-DCE, respectively. PCE was again detected in samples from wells EP6-08 and K6-36 at maximum 2005 concentrations of 0.97 μg/L (April 2005) and 0.64 μg/L (March 2005), respectively. During the second semester, samples from these two wells contained maximum PCE concentrations of 0.77 μg/L and 0.6 μg/L, respectively. The cis-1,2-DCE and PCE detected in ground water samples collected during 2005 remained below the MCLs of 6 μg/L and 5 μg/L, respectively. Based on the 2005 data, the total VOC plume appears to be relatively stable and there are no indications of new releases of VOCs from the Pit 6 Landfill.

Bromoform, dibromochloromethane, bromodichloromethane, and chloroform were consistently detected in the ground water samples collected from CARNRW2 during 2005. Maximum second semester 2005 concentrations of these chemicals were 25 μg/L, 7.5 μg/L, 2 μg/L, and 1 μg/L, respectively. The maximum total trihalomethane concentration for 2005 was 33 μg/L (April 2005). During the second semester, the maximum total trihalomethane concentration was 27 μg/L (August 2005). The MCL for total trihalomethanes is 80 μg/L. The trihalomethanes detected in water samples from this well are likely due to the backflow of chlorinated water from the Carnegie SVRA treatment of the well water. Trihalomethanes were also detected in samples collected from well CARNRW3 in November 2005 at a concentration of 25 ug/L; the duplicate sample collected on the same day and other monthly samples collected from this well during 2005 did not yield trihalomethanes.

A 2005 ground water tritium activity contour map for the Pit 6 Landfill OU is presented in Figure 2.3-4. Ground water tritium activities measured during 2005 remained far below the 20,000 picocuries per liter (pCi/L) MCL. However, tritium continues to be detected above background activity (> 100 pCi/L) in ground water samples from wells located north of the Corral Hollow-Carnegie Fault Zone and screened in the Qt-$Tnbs_1$ North HSU. Along a transect north of, and subparallel to the fault zone, second semester 2005 ground water tritium activities in this HSU decreased from a maximum of 1,590 pCi/L (July 2005) at well K6-36, located immediately east of Pit 6, to < 100 pCi/L at well W-PIT6-1819, located immediately west of the CARNRW1 and CARNRW2 water-supply wells. This current ground water tritium activity is less than half the maximum historical activity of 3,420 pCi/L (2003), indicating that tritium activities are decreasing with time. Tritium was not detected above background activities in monthly 2005 ground water samples from the CARNRW water-supply wells, except for one duplicate sample collected from well CARNRW1 in July 2005 (1,200 pCi/L). Four duplicate samples were collected from CARNRW1 on July 14th. Because three of the four samples were below the reporting limit for tritium (100-200 pCi/L), the 1,200 pCi/L tritium detection is likely a spurious result.

Wells K6-21, K6-25, K6-26, K6-27, K6-34, K6-35, BC6-10 and EP6-07 are screened in a deeper HSU (Lower $Tnbs_1$) than the wells mentioned in the paragraph above (Qt-$Tnbs_1$ North HSU). During the second semester 2005, tritium was detected in ground water samples from wells K6-25, K6-27, K6-35, BC6-10, and EP6-07. Tritium detected in ground water samples from these wells ranged in activity from < 100 pCi/L (K6-35, July 2005) to 274 pCi/L (K6-27, March 2005).

The maximum second semester tritium activity in samples from wells within the fault zone and screened within the Qt-$Tnbs_1$ South HSU was 372 pCi/L, in a July 2005 sample from well K6-19, indicating that tritium activities continue to be slightly above background locally.

Figure 2.3-5 is a map of 2005 perchlorate concentrations in Pit 6 Landfill OU ground water. During 2005, only one well, EP6-09, yielded ground water samples containing perchlorate concentrations above the reporting limit of 4 μg/L with a maximum concentration of 6.9 μg/L in July 2005. In 2004, perchlorate was detected in ground water samples from three wells, EP6-09, K6-18, and K6-36. Perchlorate was not detected in ground water samples from wells K6-18 and K6-36 during 2005. Perchlorate concentrations in ground water have been steadily decreasing from their historical maximum concentration of 65 μg/L, in a ground water sample collected from well K6-19 in 1998.

Figure 2.3-6 is a map of 2005 nitrate concentrations in Pit 6 Landfill OU ground water. Nitrate was only detected above the 45 mg/L MCL in well K6-23 (200 mg/L, March 2005) during 2005. K6-23 has increased slightly from the 2004 maximum of 181 mg/L. Nitrate in ground water samples from this well are likely related to septic system discharge from Building 899 rather than to discharges from the Pit 6 Landfill. The next highest nitrate concentration detected in a ground water sample collected in the Pit 6 Landfill OU was 13 mg/L (CARNRW4, March 2005).

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 Landfill 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 last few years to monitor ground water tritium activities 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 ($Tnbs_1$ North HSU) 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.

Six GWTSs operate in the HEPA: Building 815-Source (B815-SRC), Building 815-Proximal (B815-PRX), Building 815-Distal Site Boundary (B815-DSB), Building 817- Source (B817-SRC), Building 817-Proximal (B817-PRX), and Building 829-Source (B829-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, and perchlorate 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. Extraction began at well W-815-04 during December 2005 at an extraction rate of 0.5 gpm. In addition, the misting system was discontinued and the treated water containing nitrate is being injected into the $Tnbs_2$ well W-815-1918 where a natural denitrification process reduces the nitrate to nitrogen. 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.

The B815-PRX GWTS treats ground water for TCE and perchlorate and has been in operation since October 2002. Ground water is extracted from wells W-818-08 and W-818-09 at approximately 1 gpm and 1.5 gpm, respectively. The current GWTS configuration includes aqueous-phase GAC connected in series for TCE removal and ion-exchange columns with SR-7 resin that are connected in series for perchlorate removal. During December 2005, the misting system was discontinued and the treated water containing nitrate is being injected into the $Tnbs_2$ well W-815-2134 where a natural denitrification process reduces the nitrate to nitrogen.

The B815-DSB GWTS treats ground water for low concentrations ($< 10\ \mu g/L$) of TCE and has been in operation since September 1999. Ground water is extracted from wells W-35C-04 and W-6ER located near the Site 300 boundary at 2 gpm and 1.5 gpm, respectively. This facility initially was operating intermittently using solar power and was converted to 24-hour operation using site power in late April 2005. 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 alluvium in a nearby infiltration trench.

The B817-SRC GWTS treats ground water for RDX and perchlorate and has been in operation since September 2003. Well W-817-01 extracts ground water from a very low yield portion of the $Tnbs_2$ aquifer. It pumps ground water using solar power intermittently at flow rates ranging from 200 to 600 gallons per month. The current GWTS configuration includes ion-exchange columns containing SR-7 resin connected in series for perchlorate removal and aqueous phase GAC canisters connected in series for RDX removal. Treated ground water is injected into upgradient injection well W-817-06A.

The B817-PRX GWTS treats ground water for VOCs, RDX, and perchlorate and has been in operation since September 2005. Ground water is extracted from wells W-817-03 and W-817-04 at a combined flow of about 1.0 gpm. The current GWTS configuration includes ion-exchange columns containing SR-7 resin connected in series for perchlorate removal and aqueous phase GAC canisters connected in series for VOC removal. Treated ground water containing nitrate is injected into upgradient injection well W-817-2109 where a natural denitrification process reduces the nitrate to nitrogen.

The B829-SRC GWTS treats ground water for VOCs, nitrate, and perchlorate and has been in operation since August 2005. Solar power is used to extract ground water from well W-829-06 at 0.2 gpm. The current GWTS configuration includes ion-exchange columns containing SR-7 resin connected in series for perchlorate removal, a biotreatment unit to treat nitrate, and aqueous phase GAC canisters connected in series for VOC removal. Treated ground water is injected into injection well W-829-08.

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

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

2.4.1.1. HEPA OU Facility Performance Assessment

The monthly ground water discharge volumes, extraction flow rates, and operational hours are summarized in Tables 2.4-1 through 2.4-6. The total volume of ground water extracted and treated and the total contaminant mass removed during this reporting period is presented in Table Summ-1. The total volume of ground water treated and discharged and the total contaminant mass removed are summarized in Table Summ-2. Analytical results for influent and effluent samples are presented in Tables 2.4-7 through 2.4-9. The pH measurement results are presented in Appendix A.

2.4.1.2. HEPA OU Operations and Maintenance Issues

The B815-SRC, B815-PRX, B815-DSB, B817-SRC, B817-PRX, and B829-SRC GWTSs operated continuously throughout the second semester of 2006 with the following exceptions:

- B815-SRC blew a gasket and was repaired on August 3rd. B815-SRC wellfield expansion was completed in December and included: (1) converting monitor well W-815-04 to an extraction well, (2) installing additional piping to convey extracted ground water to the treatment system, and (3) converting the discharge system for treated water from misting to re-injection into well W-815-1918. The extraction well pumps are being adjusted to low flow rates by exerting high backpressures using valving which is causing the pumps to shut down occasionally. A remedy is being investigated. Faulty relays caused the facility to shut down for three days in October. A lack of available well water caused the facility to shut down in a number of times throughout the semester.
- B815-PRX went offline for a day on July 29th after the pipelines from the wells to the facility were broken due to labor shop activities. The water line failed again on August 1st and was repaired the next day. Discharge from B815-PRX was switched from the misting tower to the new injection well, W-815-2134 in December.
- B817-SRC was shut down and drained on December 21st to protect it against damage caused by freezing temperatures and was restarted on January 3rd.
- B817-PRX began operation on September 21, 2005.
- B829-SRC began operation on August 18, 2005. There were initial difficulties with the extraction well pump that caused the system to be shutdown for most of September. The bioreactor recirculation pump failed multiple times for unknown reasons and is currently being investigated. System operation continues despite the removal of this pump as it only enhances efficiency and system monitoring has shown that the facility is operating well within parameters. The system was shut down and drained on December 15th to protect it against damage caused by freezing temperatures and was restarted on January 3rd.

2.4.1.3. HEPA OU Compliance Summary

The B815-DSB, B817-SRC, and B829-SRC GWTSs operated in compliance with the Substantive Requirements for Wastewater Discharge. Contaminants were detected in the effluent samples of the B815-SRC, B815-PRX, and B817-PRX GWTSs during this reporting period as described below.

Perchlorate was detected in two effluent samples collected from the B815-SRC during this reporting period. Both hits were below the public health goal of 6 μg/L, and one was equal to the reporting limit for perchlorate (4 μg/L). Perchlorate samples were also collected from intermediate resin column ports at the same time as the effluent samples were collected. No perchlorate was detected above the reporting limit in any of these samples, therefore the effluent detections are suspect. No perchlorate was detected in any subsequent samples collected in 2005.

Chloroform was detected in three consecutive effluent samples collected from B815-PRX in July, August, and September 2005. However, two of these chloroform hits were only 0.02 μg/L above the reporting limit of 0.5 μg/L, and one was equal to the reporting limit. As no chloroform had been detected in either extraction well for the previous three years and chloroform is a common laboratory contaminant, these results are suspect. No chloroform was detected in any subsequent samples collected during 2005.

During the B817-PRX GWTS start-up sampling performed during September 2005, 1,2-DCA and methylene chloride were detected in the effluent sample at concentrations of 18 μg/L and 1.8 μg/L, respectively. No 1,2-DCA has historically been identified in either extraction well (W-818-08 and W-818-09) used at this GWTS. Methylene chloride has been detected once in W-818-09 in 1992 in a duplicate sample at a concentration of 50 μg/L. No methylene chloride was detected in the routine sample collected on the same date above the reporting limit of 2.0 μg/L. The source of these compounds is unknown, but was possibly present within the new GAC canisters prior to start-up. No VOCs were detected in effluent samples collected one week after start-up, or any subsequent samples collected during 2005. No RDX and HMX monitoring was conducted for B817-PRX in 2005 since start-up in September. This oversight was discovered in January 2006, at which time routine monitoring was implemented. No RDX or HMX was detected in the effluent sample collected in January. Since GAC is very effective in adsorbing RDX and HMX, and since the original set of GAC canisters were still in place, there is no reason to suspect that any releases of HE compounds had occurred.

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 2.4-10. The only modifications made to the plans included additional sampling associated with start-up sampling, or re-sampling following effluent hits. As discussed above, although monitoring for HE compounds (RDX and HMX) is required for all HEPA OU GWTSs, no HE monitoring was conducted for the B817-PRX facility during the last three months of 2005. This oversight was corrected in January 2006.

2.4.2. HEPA OU Ground Water and Surface Water Monitoring

During the reporting period, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; thirty-nine samples were not collected due to dry conditions or insufficient water, one sample was not collected because of a grass fire hazard, four samples were not collected due to a malfunctioning pump or control box. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.4-11. This table also explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface data are posted for the $Tnsc_{1b}$ HSU and contoured for the $Tnbs_2$ HSU as presented in Figures 2.4-7 and 2.4-2. 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.

2.4.3. HEPA OU Remediation Progress Analysis

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

2.4.3.1. HEPA OU Mass Removal

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

2.4.3.2. HEPA OU Contaminant Concentrations and Distribution

At the HEPA OU, VOCs (mainly TCE) are the primary COCs detected in ground water; RDX, perchlorate, and nitrate are secondary COCs. These constituents have been identified in the $Tnbs_2$ and $Tnsc_{1b}$ HSUs. Total VOC concentration data are posted for $Tnsc_{1b}$ and contoured for $Tnbs_2$ based on data collected during the second six months of this reporting period and are presented in Figures 2.4-8 and 2.4-3. For collocated wells, the highest concentration was used for contouring. Concentration maps for the secondary COCs based on data collected during the first six months of this reporting period are presented in Figures 2.4-4 through-6 for the $Tnsb_2$ HSU and in Figures 2.4-9 and -10 for the $Tnsc_{1b}$ HSU.

During the second semester of 2005, VOCs were detected in ground water samples from HEPA wells at concentrations ranging from a maximum concentration of 51 μg/L (August 2005) in well W-818-11 to below reporting limits of 0.5 μg/L. Overall, VOC concentrations in ground water in the $Tnbs_2$ HSU in the HEPA have decreased from a maximum historical concentration of 110 μg/L (May 1992). The B815-PRX extraction wellfield captures the highest concentrations in the HEPA VOC plume. Although total VOC concentrations remained essentially unchanged at the influent to B815-PRX during 2005, these concentrations have decreased from their historical maximum of 53 μg/L in 2002 to 21 μg/L during 2005.

During second semester 2005, VOCs were detected in onsite HEPA guard well W-880-02 at a concentration of 0.77 μg/L (October 2005). VOCs were not detected in any of the other three onsite or seven offsite guard wells for the HEPA. Some of the guard wells have historically had sporadic trace detections of VOCs at concentrations ranging from 0.5 μg/L to 1.9 μg/L. The locations of the guard wells are shown in Figure 2.4-1. Previous detections of total VOCs in the guard wells were most likely related to the intermittent operation of the B815-DSB treatment facility. The facility was converted from solar power to site power in April 2005 and total VOC concentrations have decreased back to non-detectable levels. Total VOCs were detected in two samples during the second semester in offsite water-supply well, GALLO1 at a concentration of 0.6 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 reporting limit in ground water samples collected from upgradient water-supply guard wells (W-6H and W-6J). Two new $Tnbs_2$ guard wells, W-815-2110 and W-815-2111, and one new $Tnbs_2$ injection well, W-817-2109, were drilled during the first semester of 2005. VOCs were detected in ground water samples taken from well W-815-2111 at concentrations of 1.0 μg/L (March 2005) and 1.6 μg/L (September 2005). VOCs were not detected in ground water samples taken from wells W-815-2110 and W-817-2109.

During second semester 2005, VOCs were detected in ground water samples from $Tnsc_{1b}$ wells at concentrations ranging from 20 μg/L in injection well W-829-08 to 91 μg/L in extraction well W-829-06. VOCs were not detected in monitoring well W-829-1940. Concentrations in well W-829-06 have decreased from an historical maximum of 1,013 μg/L (August, 1993).

In the second semester of 2005, RDX was not detected in any of the HEPA guard wells. During this reporting period the maximum RDX ground water concentration was 91 μg/L (January, 2005) in B815-SRC extraction well W-815-04. Overall, RDX concentrations in the HEPA have decreased from a historical maximum of 200 μg/L in 1992 to a maximum of 91 μg/L in 2005. The extent of RDX contamination in the $Tnbs_2$ HSU is more limited than VOCs and 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. RDX has never been detected in any of the $Tnsc_{1b}$ wells.

Perchlorate was not detected in any of the HEPA guard wells during second semester 2005. During this reporting period a maximum perchlorate concentration of 30 μg/L was detected in ground water samples from wells W-817-02 (February 2005) and W-817-03 (January 2005). The extent of perchlorate contamination in the $Tnbs_2$ HSU is more limited than VOCs and remained essentially the same as shown in previous reports. Perchlorate decreases rapidly downgradient (southeast) of wells 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 second semester 2005, perchlorate was detected in ground water samples from Tnsc1b wells at concentrations ranging from 15 μg/L in well W-829-08 to below the method reporting limit of 4 μg/L. Concentrations have decreased from an historical maximum of 29 μg/L (December, 2000) in well W-829-06.

During the second semester of 2005, nitrate was not detected above 45 mg/L MCL in any of the HEPA guard wells. The current maximum nitrate concentration (110.0 mg/L) occurs in wells W-815-06 and W-815-1918. Well W-815-1918 was converted to an injection well in December 2005. Samples from this well were obtained prior to the conversion to injection. Overall, the nitrate concentrations detected in ground water during 2005 generally remained the same compared to previous years. Nitrate concentrations decrease significantly due to microbial denitrification near the Site 300 boundary where the $Tnbs_2$ HSU is anoxic and under confined conditions. 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.

During second semester 2005, nitrate was detected in ground water samples from $Tnsc_{1b}$ wells at concentrations ranging from 60 mg/L in well W-829-1940 to 110 mg/L in well W-829-06. Concentrations have decreased from an historical maximum of 240 mg/L (December, 2000) in well W-829-06.

2.4.3.3. HEPA OU Remediation Optimization Evaluation

The key to remediation optimization at the HEPA OU is to manage extraction wellfield flow rates to balance the influence of site boundary pumping with source area pumping. Based on the $Tnbs_2$ ground water elevation map and the total VOC isoconcentration map shown in Figures 2.4-2 and 2.4-3, the existing extraction wellfield captures the highest concentrations in the VOC plume (Total VOC > 50 μg/L) in the vicinity of wells W-818-08 and W-818-09. However, due to temporary suspension of pumping at the B815-DSB facility during the 1st semester of 2005, 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 was converted to site power and now operates 24 hours per day, 7 days per week. Continuous operation of this facility has prevented 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 at 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

Increased ground water extraction began in 2005 in the HEPA OU with the installation of B817-PRX. This facility extracts from wells W-817-03 and W-817-04 and is 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 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; seventeen samples were not collected due to insufficient water/dryness, seventeen samples could not be submitted to the analytical laboratory due to new radiological sample handling requirements, and five samples were not collected due to a bent casing. A new analytical laboratory has been contracted that will accept samples for non-radiological analyses that contain radiological constituents above background levels. The sampling and analysis plan for ground water and surface water monitoring is presented in Table 2.5-1. This table also delineates and explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

Ground water potentiometric surface maps for the Qal/WBR and $Tnbs_1$/$Tnbs_0$ HSUs within the OU for 2005 are presented in Figures 2.5-2 and 2.5-3, respectively. Ground water elevation data collected from wells within the OU are similar to those collected during past years. Ground water elevations are presented in Appendix C.

2.5.2. Building 850 OU Remediation Progress Analysis

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

2.5.2.1. Building 850 OU Contaminant Concentrations and Distribution

At the Building 850 OU, tritium is the primary COC detected in ground water; nitrate and depleted uranium are the secondary COCs.

Ground water tritium activity maps for the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs within the OU for 2005 are presented in Figures 2.5-4 and 2.5-5, respectively. The maximum 2005 tritium activity in ground water within the OU was 91,000 ± 9,900 pCi/L (May 2005) in a sample collected from well NC7-70, located near the firing table. The maximum second semester 2005 tritium activity was 76,000 ± 847 pCi/L (October 2005) also in a sample from well NC7-70. The maximum detected tritium activities in ground water collected from the Building 850 OU during 2003 and 2004 were 81,400 ± 8,200 pCi/L and 58,000 ± 5,900 pCi/L, respectively, also in samples 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 both the Qal/WBR and $Tnbs_1/Tnbs_0$ bedrock HSUs in Doall Ravine continues to diminish.

Tritium activities in ground water north of the Pit 1 and Pit 2 Landfills are generally below recent highs detected during the last few years. The maximum current ground water tritium activity detected in this area was 3,980 ± 410 pCi/L (October 2005) in a sample from well K1-02B. The maximum tritium activities detected in ground water samples in this area during 2003 and 2004 were from well K1-06 at 4,880 ± 500 pCi/L and 3,850 ± 400 pC/L, respectively. Tritium activities in ground water samples from well K1-06 were a maximum of 3,500 ± 500 pCi/L (November 2005).

Immediately south and east of the Pit 2 Landfill, the maximum ground water tritium activity detected during 2005 and the second semester was 10,100 ± 1,000 pCi/L (October 2005) in a sample from well NC2-08. During 2004, the maximum activity of tritium detected in this area was 11,000 ± 1,100 pCi/L (also 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. Ground water samples collected in recent years from wells further south in Elk Ravine show very gradual decreases in tritium activities over time. During the second semester of 2005, the maximum tritium activity in this area was 7,320 ± 780 (October 2005) in a sample from well NC2-12D. 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 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. These data indicate that maximum tritium activities have declined in ground water samples from representative wells in these areas south and east of Pit 2 for the last few years.

Ground water uranium activity and $^{235}U/^{238}U$ atom ratio maps for the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs within the OU for 2005 are presented in Figures 2.5-6 and 2.5-7, respectively. 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 2005 by mass spectrometry. The natural atom ratio of $^{235}U/^{238}U$ is about 0.0072 +/- 0.001. Atom ratios below this range indicate some addition of depleted uranium to the naturally-occurring uranium activity in the water. The maximum 2005 total uranium activity detected in ground water immediately downgradient of Building 850 was 18 pCi/L in a ground water sample from well NC7-28 (April 2005). This sample yielded a $^{235}U/^{238}U$ atom ratio of about 0.0024 indicating the presence of some depleted uranium. Depleted uranium-bearing ground water continues to extend about 900 ft down Doall Ravine from its source at Building 850 in both the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs.

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 2005 activities of 12.1 pCi/L and 1 pCi/L (May 2005), respectively, and maximum 2004 activities of 14.2 pCi/L and 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 also 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 2005. Although the maximum uranium activity did increase from 5.54 pCi/L in 2003 to 12.1 pCi/L in 2005, the $^{235}U/^{238}U$ atom ratios of 0.0068 (2003), 0.0063 (2004), and 0.0064 (2005) 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 the Pit 2 Landfill also indicated the presence of some depleted uranium. These data are discussed in Section 3.1.1 of this report.

Ground water nitrate concentration maps for the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs within the OU for 2005 are presented in Figures 2.5-8 and 2.5-9, respectively. During 2005, nitrate was detected above the 45 mg/L MCL in ground water samples from seven wells. The 2005 maximum nitrate concentration was 140 mg/L (June 2005) detected in a ground water sample from well NC7-29. The maximum nitrate concentrations detected in ground water in the OU between 2003 and 2005 have been in the 110 mg/L to 140 mg/L range. The historic maximum nitrate concentration detected in the OU is 140 mg/L detected in 2003 (NC2-10) and 2005 (NC7-29) ground water samples.

Ground water perchlorate concentration maps for the Qal/WBR and $Tnbs_1/Tnbs_0$ HSUs within the OU for 2005 are presented in Figures 2.5-10 and 2.5-11, respectively. During 2005, perchlorate was detected in ground water samples from twenty wells in the OU. Wells NC2-08 and NC2-18 were sampled for perchlorate during the year. However, the samples were not analyzed and thus the data are not available. Figure 2.5-10 shows a 3,000 ft long plume within the Qal/WBR HSU in Doall Ravine. Figure 2.5-11 depicts several smaller regions of perchlorate within the $Tnbs_1/Tnbs_0$ HSU including a 1,000 ft long plume emanating from Building 850. Perchlorate has recently been observed above the PHG south of Building 850 at well NC7-29, in western Doall Ravine at wells K2-04D and NC2-18, and east of Pit 1 at well K1-02A. Eighteen of these wells had perchlorate concentrations above the 6 μg/L State PHG. The maximum perchlorate concentration was 75.2 μg/L (October 2005) in a ground water sample collected from well NC7-28, immediately downgradient of Building 850. The 2004 maximum perchlorate concentration was 54 μg/L (May 2004) in a ground water sample collected from well NC7-70. 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.

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 in reducing tritium activities in ground water. The highest tritium activities in ground water in the OU continue to be located immediately downgradient of the tritium sources at the Building 850 Firing Table and continue to decline. The extent of the 20,000 pCi/L tritium activity contour also continues to diminish. In general, ground water tritium activities continue to decline or are below historic highs in all areas except southern Elk Ravine. South of the Pit 2 Landfill, maximum tritium activities in ground water increased slightly from 2003 to 2004 and then decreased in 2005. Tritium activities in ground water samples from wells located in the southern Elk Ravine have dropped slightly for the last few years and are well below the 20,000 pCi/L MCL for tritium in drinking water.

The distribution of depleted uranium is similar to previous years and total uranium in ground water continues to be below the 20 pCi/L MCL in all wells in the Building 850 OU. The extent of total uranium activities in ground water proximal to Building 850, as well as in the suite of wells that sample ground water containing some depleted uranium, are similar to past years. The extent of depleted uranium in ground water at Building 802 has not changed from 2003 to 2005. Although from 2003 to 2005 the maximum uranium activity in Building 802 ground water did increase from 5.54 pCi/L to 12.1 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 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 and 2005. The maximum perchlorate concentration detected in ground water in the OU in 2005 (75.2 mg/L) is higher than the 2004 (53 μg/L) and 2003 (54 μg/L) maxima.

2.5.2.3. Building 850 OU Performance Issues

There were no performance issues during 2005.

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.

An SVE system was installed at the B854-SRC. SVE commenced on November 7th. This treatability test is being conducted to determine if SVE is a viable method for increasing mass removal from the Building 854 source area.

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 biotreatment 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 subsections: facility performance assessment; operations and maintenance issues; receiving water monitoring; compliance summary; and sampling plan evaluation and modifications.

2.6.1.1. Building 854 OU Facility Performance Assessment

The monthly ground water discharge volumes and rates and operational hours are summarized in Tables 2.6-1 and 2.6-2. 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 Tables 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 and SVE system and B854-PRX GWTS operated continuously throughout the second semester of 2005 with the following exceptions:

- B854-SRC GWTS automatically shut down over the weekend of July 2nd to the 4th due to a faulty flow meter and again over the weekend of July 9th and 10th due to a power-outage caused by demolition of buildings in the area. The facility was restarted but was shutdown due to a leaking carbon canister. The canister was replaced and the facility restarted by July 14th.
- B854-SRC GWTS was shutdown due to a wild fire that destroyed the misting system piping on July 19th. Repairs were made right away, however the power to the area was shut-off due to demolition of Building 854 F. The facility was restarted on August 18th.
- B854-PRX GWTS was found off-line on July 21st possibly due to excessive heat from the fire. The solar pump was replaced and the facility was restarted on July 26th.
- The SVE system at B830-SRC (VES-06) was moved to B854-SRC in October. Operation began on November 7th. The SVE test was temporarily suspended from November 10th to the 14th while interlocks were adjusted.

- B854-SRC and B854-PRX were shut down and drained on December 15th to protect them against damage caused by freezing temperatures.

The influent flow into the resin columns at Building 854-Source was modified to alleviate build-up of pressure. If the new configuration is effective, then the resin columns at other facilities will also be adjusted.

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.

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 dry conditions or 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.

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. A ground water potentiometric surface map for this HSU is presented in Figure 2.6-2. 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.

2.6.3. Building 854 OU Remediation Progress Analysis

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

2.6.3.1. Building 854 OU Mass Removal

The monthly ground water mass removal estimates are summarized in Tables 2.6-7 and 2.6-8. 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.

A 2005 total VOC isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU is presented in Figure 2.6-3. While the overall distribution of total VOCs is similar to the total VOC plume displayed in 2004, the portion of the plume greater than 50 μg/L is no longer shown to be continuous from the source area to the vicinity of well W-854-03. The total VOC concentration in the ground water at well W-854-03 (51 μg/L, April 2005) most likely represents a secondary source or a slug release. The maximum 2005 total VOC concentration, comprised wholly of TCE, was 180 μg/L (April 2005) and continues to occur in ground water from B854-SRC extraction well W-854-02. The maximum second semester 2005 ground water total VOC concentration in the OU was 170 μg/L in an October 2005 sample also from well W-854-02. Although total VOC concentrations in ground water samples from this well are similar to last year's, they have greatly decreased from the historical maximum of 2,900 μg/L in 1997. The extent of the total VOC plume emanating from the Building 854 Complex is bounded to the south by a region where total VOC concentrations are below the 0.5 μg/L reporting limit in ground water samples from wells W-854-1701, W-854-1822, and W-854-1902. Downgradient and south of this region, localized VOC contamination occurs in ground water in the vicinity of former water-supply Well 13, with 2005 maxima of 1.8 μg/L at well W-854-06 (October 2005) and 33 μg/L at well W-854-07 (October 2005).

A 2005 total perchlorate isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU is presented in Figure 2.6-4. During 2005, six wells and one spring yielded ground water samples containing perchlorate concentrations above the reporting limit of 4 μg/L. Samples from four of these wells and one spring contained perchlorate in excess of the 6 μg/L PHG. During the first semester, Well W-854-13 (15 μg/L, May 2005) and Spring 11 (23 μg/L, June 2005) yielded perchlorate in ground water for the first time. These were the 2005 maxima for perchlorate in ground and surface water in the Building 854 OU, respectively. However, a duplicate sample from Spring 11 did not contain perchlorate above the reporting limit (<4 μg/L, June 2005). Samples collected during the second semester of 2005 from Well W-854-13 and Spring 11 did not contain perchlorate above the 4 μg/L reporting limit.

A 2005 nitrate concentration map for the $Tnbs_1/Tnsc_0$ HSU is presented in Figure 2.6-5. During 2005, nitrate was detected above the 45 mg/L MCL in ground water samples from two wells completed in the HSU; W-854-02 and W-854-03. The maximum nitrate concentration was 55 mg/L in the May 2005 sample from well W-854-02. A ground water sample collected from W-854-05, which is screened in the $Qls/Tnbs_1$ HSU contained 62 mg/L of nitrate (May 2005) which was the maximum during 2005.

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 2005. The VOC concentrations in ground water from source area well W-854-02 have decreased from an historical maximum of 2,900 μg/L in 1997 to a 2005 maximum of 180 mg/L indicating significant decrease in VOC source strength. The B854-PRX GWTS extraction well W-854-03 pumped intermittently at about 1.1 gpm during 2005. The VOC concentrations in ground water from this well have decreased from an historical maximum of 270 μg/L in 1999 to 51 μg/L in 2005.

A long-term SVE treatability test began on November 7, 2005 at the Building 854 source area utilizing vadose zone extraction well W-854-1834. The test was started at about 52 cubic feet per minute (cfm) with 7 $ppm_{v/v}$ total VOCs. The system now operates at about 50 cfm with minimal vacuum (~14 inches of water). All influent soil vapor TCE tedlar bag samples collected to date contain about 4.5 $ppm_{v/v}$ TCE.

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.

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 SVE systems 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. Initially ground water was 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. After installation of flow meters at each well it was observed that nearly all the ground water yield at this facility was attributable to two extraction wells, W-832-12 and W-832-15. In February 2005 the extraction wellfield was reduced to these two wells that are now operated with vacuum-enhancement. In September 2005 the extraction wellfield was expanded to include existing monitor wells W-832-01, W-832-10, and W-832-11. Ground water extraction rates at this facility are seasonally variable, and ranged from 10 to 200 gallons per day with the original extraction well field. Yield at this facility is currently varies from about 600 to 1,800 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. A positive displacement rotary lobe blower is used to create a vacuum at selected wellheads through a system of manifolded piping. The contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District.

The 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 has been extracted from well W-830-1807 using a regenerative blower. However, due to the low soil vapor yield, the regenerative blower was replaced with a liquid ring vacuum pump in October. Startup of the liquid ring blower awaits approval from the San Joaquin Valley Unified Air Pollution Control District. 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 first semester of 2005, 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 first semester of 2005, 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 subsections: facility performance assessment; operations and maintenance issues; compliance summary; and sampling plan evaluation and modifications.

2.7.1.1. Building 832 Canyon OU Facility Performance Assessment

The monthly ground water and soil vapor discharge volumes, rates, and operational hours are summarized in Tables 2.7-1 through 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 Tables 2.7-5 and 2.7-6. The pH measurement results are presented in Appendix A.

2.7.1.2. Building 832 Canyon OU Operations and Maintenance Issues

The B830-SRC, B830-PRXN, and B830-DISS GWTSs operated continuously throughout the second semester of 2005 with the following exceptions:

- B830-SRC SVE unit (VES06) was disconnected on September 26th and brought to the B854-SRC SVE test location. This unit will be replaced by a more powerful unit capable of a higher flow rate. B830-SRC GWTS was shut down and drained on December 21st to protect the facilities against damage caused by freezing temperatures.
- B830-DISS was shut down from June 28th to July 7th and again from July 11th to August 8th due to nitrate in the facility effluent. Breakthrough may be attributed to acid injection pump failure and/or short-circuiting in the bio-reactors. The bioreactor was modified to treat the waste stream from the bottom of the tank to the top rather than the top to bottom flow. This reconfiguration will increase residence time in the tank and increase nitrate uptake.
- The 830 Proximal North and 830 Distal South systems were shut down and drained on December 15th to protect the facilities against damage caused by freezing temperatures.

B832-SRC SVE and GWTS was shut down during second semester for the following maintenance:

- July 5th – 8th for GAC replacement.
- July 12th – 14th for air compressor fuse replacement.
- July 16th – 18th for discharge pump fuse replacement.
- August 3rd – 4th for GAC canisters replacement due to over-pressurization.
- August 11th to replace a leaking GAC canister.
- The pump in well W-832-12 failed and was replaced on September 21st while the facility remained in operation.
- December 12th for damaged granular activated carbon unit replacement.
- December 21st to protect the facilities against damage caused by freezing temperatures.

Over-pressurization of the GAC canisters continued to be a problem during second semester. Algae buildup in the ion-exchange canisters was identified as the source of the problem. The algae were cleaned out and the ion-exchange canisters painted to prevent future buildup. The system was re-configured to allow for the process water to pass through the higher pressure rated resin columns and then through the lower pressure rated GAC vessels.

In September of 2005 three new groundwater extraction wells were added to the B832-SRC (W-832-01, W-832-10 and W-832-11). B832-SRC expansion start-up began on September 6th. The new wells have not operated for the last part of the semester due to the potential for freeze damage that could occur to the piping because of low flow.

2.7.1.3. Building 832 Canyon OU Compliance Summary

The B832-SRC, B830-SRC, and B830-PRXN GWTSs operated in compliance with Substantive Requirements during this reporting period. However, the B830-DISS GWTS was shutdown the entire month of July due an effluent hit of nitrate above the discharge limit of 45 mg/L. The inadequate treatment of nitrate was related to problems with the biotreatment tanks at this facility as discussed in Section 2.7.1.2. All subsequent samples collected during 2005 were below the discharge limit.

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. Modifications made to the plan included no VOC or perchlorate monitoring for B830-DISS in July due to facility shutdown related to nitrate problems, and additional sampling at B832-SRC related to start-up sampling after completing the wellfield expansion. In addition, one effluent nitrate sample was inadvertently missed in August from B830-PRXN.

2.7.2. Building 832 Canyon OU Ground Water Monitoring

During 2005, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the following exceptions; fifty-seven samples were not collected due to dryness/insufficient water, two samples were not collected because the sampling frequency had been changed, three samples were not collected because the well had been contaminated with surface runoff, and three samples were not collected because there was no access to the well due to hydraulic test activities at the well. 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 presented in Appendix B.

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

2.7.3. Building 832 Canyon OU Remediation Progress Analysis

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

2.7.3.1. Building 832 Canyon OU Mass Removal

The monthly ground water and soil vapor mass removal estimates are summarized in Tables 2.7-9 through 2.7-12. 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/WBR HSUs. Total VOCs have been detected at low concentrations in the $Tnbs_2$ and Upper $Tnbs_1$ aquifers. Total VOC isoconcentration data are posted for the Qal/WBR and contoured for the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs as presented in Figures 2.7-5, 2.7-6, and 2.7-7, respectively. Isoconcentration contour maps for the secondary COCs based on data collected during the first six months of this reporting period are presented in Figures 2.7-8 through 2.7-13. COC concentrations in wells W-832-05 and W-832-06 appear on contour maps for the $Tnsc_{1b}$ HSU but were not used for contouring. Well W-832-05 has been contaminated with surface water runoff and is slated for destruction. Concentrations in well W-832-06 are not representative of the $Tnsc_{1b}$ HSU. Ground water samples from well W-832-SC3 and SPRING3 were taken from their sumps and the total VOC concentrations shown on Figure 2.7-5 are not representative of the Qal/WBR HSU.

In the second semester of 2005, total VOCs were detected in ground water samples from Qal/WBR wells in the Building 832 Canyon OU at concentrations ranging from < 0.5 μg/L to 1,800 μg/L (July 2005) in well W-830-1807, located in the Building 830 source area. Historically nearby well W-830-30 has had the highest total VOC concentrations in the Qal/WBR HSU. The total VOC concentrations in well W-830-30 have decreased from a high of 8,100 μg/L in 1997 to a current concentration of 400 μg/L (August 2005). The concentrations in well W-830-1807 have decreased from a high of 3,600 μg/L in 2002. Several new extraction wells are proposed as part of the B830-SRC expansion and were specified in the Interim Remedial Design (RD) report for the Building 832 Canyon Operable Unit (Madrid et al., 2005). One Qal/WBR 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, August 2005) 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 be added to the B830-SRC extraction wellfield as an expansion well (as specified in the Building 832 Canyon RD). Total VOC concentrations in this well have decreased by about 25% since remediation began in the Building 830 area. Two additional $Tnsc_{1b}$ wells will be added to the B830-SRC extraction wellfield. These new wells were drilled in early 2006 at a location near existing monitor well W-830-21.

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 second semester 2005 ranged from < 0.5 μg/L to a maximum of 52 μg/L (August 2005) 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 second semester 2005. One additional Upper $Tnbs_1$ extraction well, to be drilled near existing well W-830-21, is proposed for this area and was specified in the RD report. The new well and the existing extraction well (W-830-57) will be connected to the B830-SRC extraction wellfield and use of the B830-PRXN will be discontinued. Total VOC concentration trends in the Upper $Tnbs_1$ will be monitored carefully due to the potential influence of water-supply well, Well 20 pumping on this HSU. Total VOCs were not detected in the Lower $Tnbs_1$ HSU during 2005.

During the second semester of 2005, total VOCs were detected in ground water samples above the 0.5 μg/L detection limit in one (W-880-02, October 2005) of the four site-boundary guard wells for the Building 832 OU at a concentration of 0.77 μg/L. Historically, this Qal/WBR 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 above the 0.5 μg/L detection limit in ground water samples collected from any of the remaining guard wells. The leading edge of the plume at the 0.5 μg/L TCE detection limit remains in the vicinity of the site boundary.

Perchlorate was not detected above the 4 μg/L reporting limit in ground water samples from any Building 832 Canyon OU guard wells. Perchlorate was detected in Upper $Tnbs_1$ well W-830-57 (B830-PRXN extraction well) at a concentration of 5.2 μg/L in January 2005. This result is suspect as subsequent samples taken from this well have not detected perchlorate above the reporting limit (4 μg/L). Additionally, an effluent sample taken on the same day at this facility was found to be a false positive. Perchlorate was not detected above the reporting limit in any other Upper $Tnbs_1$ wells in the Building 832 Canyon OU. The current maximum perchlorate concentration (12 μg/L, October 2005) in this OU was detected in the $Tnsc_{1b}$ HSU in well W-832-15. This well and well W-830-25 have historically contained the highest perchlorate concentrations in this OU. Perchlorate has not been detected in the Lower $Tnbs_1$ HSU during 2005.

During second semester 2005, nitrate was not detected above the 45 mg/L MCL in any of the Building 832 Canyon guard wells. Nitrate was detected in ground water samples from Qal/WBR wells in the Building 832 Canyon OU at concentrations ranging from 7.1 mg/L (January 2005) in well W-6ES to 130 mg/L (October 2005) in well W-832-15. Nitrate was detected in the Upper $Tnbs_1$ HSU at concentrations ranging from < 0.44 mg/L to 18 mg/L (April 2005) 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 < 0.1 mg/L to 160 mg/L (August 2005 and October 2005) in well W-830-19, an extraction well at the B830-SRC treatment facility. Nitrate has not been detected in the Lower $Tnbs_1$ HSU during 2005.

2.7.3.3. Building 832 Canyon OU Remediation Optimization Evaluation

The B832-SRC SVE system was shut down in October 2003 to evaluate soil vapor rebound. TCE was not detected in preliminary soil vapor samples above the 0.2 $ppm_{v/v}$ detection limit. One subsequent soil vapor sample collected during 2005 from B832-SRC extraction well W-832-15 contained TCE at 0.3 $ppm_{v/v}$ (July 2005). TCE was not detected in any other samples. A long-term treatability study began in March 2005 to evaluate whether ground water yield can be increased by inducing a negative pressure (i.e., vacuum) in the extraction well casing. This method has been successfully applied at the Building 834 ground water and soil vapor extraction and treatment facility where ground water yield was increased up to three times in certain extraction wells placed under a vacuum. Placing the extraction well casing under a negative pressure effectively increases the gradient toward the extraction well thereby increasing the well's zone of influence. Preliminary results indicate that ground water yield increased from an average of 1,000 gallons per month to 4,000 gallons per month in response to the applied vacuum. As a result, shutting off the SVE system at this facility is no longer under consideration. In September 2005, the extraction wellfield was expanded to include existing monitor wells W-832-01, W-832-10, and W-832-11. These wells contain higher total VOC concentrations than extraction wells W-832-12 and W-832-15. Initial results indicate that ground water yield increased to an average of 30,000 gallons per month and total VOC mass removal increased from less than 1 gram per month to 13 grams per month.

Ground water yield is so low in the Building 832 Canyon OU source area extraction wells that capture is difficult to assess because these source area extraction wells cannot maintain continuous operation. The low yield is due to a combination of low hydraulic conductivity geologic materials, dewatering, and limited recharge. Based on the map shown in Figure 2.7-6, 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 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% in the Building 830 source area. COC concentrations in the proximal and distal areas have remained relatively constant. Treatment facility extraction wellfield 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 was presented in the RD report for this area. The remedial design included the following major components:

- Continue vacuum-assisted soil vapor and ground water extraction and treatment in the Building 832 and 830 source areas.
- Expand the Building 832 and 830 wellfields to extract soil vapor and ground water from the downgradient portion of the VOC, nitrate, and perchlorate plumes.
- Install additional ground water monitor wells.
- Optimize contaminant mass removal through: (1) monitoring, evaluation and management of extraction wellfield pumping, (2) evaluation of potential for naturally occurring denitrification processes in ground water, and (3) continued evaluation of more aggressive, innovative technologies to expedite source cleanup.

Low concentrations of TCE and PCE have been detected in Upper $Tnbs_1$ well W-830-1832 located between the former leading edge of the $Tnbs_1$ TCE plume and Site 300 water-supply well, Well 20. A new Upper $Tnbs_1$ guard well, W-832-2112, located downgradient (southwest) of well W-830-1832, and upgradient of Well 20 was installed in 2005. Samples taken from this well during first and second semester 2005 were below reporting limits for total VOCs, nitrate, and perchlorate.

Plans to expand the B830-SRC extraction wellfield to prevent further migration of contaminants toward Well 20 are currently in progress. The extraction well, W-830-57, at the B830-PRXN facility will be connected to B830-SRC and three existing monitor wells will be added as ground water extraction wells: $Tnsc_{1b}$ well W-830-49, Upper $Tnbs_1$ well W-830-18, and Upper $Tnbs_1$ well W-830-60. Additionally, four new ground water extraction wells (one Upper $Tnbs_1$ extraction well, a Qal/WBR well, one $Tnsc_{1b}$ well, and one $Tnsc_{1a}$ well) will be installed and connected to the facility. Increased ground water extraction at the B832-SRC facility was achieved in second semester 2005 by adding additional ground water extraction wells W-832-01, W-832-10, and W-832-11. An additional extraction well, W-832-25, is planned at B832-SRC in 2006. This well is completed in the $Tnsc_{1a}$ HSU located beneath the $Tnsc_{1b}$ HSU. 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 are present. For this reason, a monitoring-only interim remedy was selected for the release sites in the Interim Site-Wide Record of Decision (U.S. DOE, 2001). The monitoring conducted during the reporting period for these release sites is discussed below.

2.8.1. Building 801 and Pit 8 Landfill

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

Minor VOC contamination is present in the subsurface as a result of discharges of waste fluid to a dry well adjacent to Building 801D from the late 1950s to 1984. During 2005, ground water monitoring was conducted in accordance with the CMP monitoring requirements with the exception that biennial samples for K8-05 could not be collected due to dry conditions. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-1. This table delineates any additions made to the CMP. Analytical results are presented in Appendix B.

A map showing 2005 ground water elevations and hydraulic gradient direction in the $Tnbs_1$ HSU for the Building 801/Pit 8 Landfill area is presented in Figure 2.8-1. Ground water elevation data for the Building 801/Pit 8 Landfill area are similar to those collected during 2004 and previous years. Ground water elevations are presented in Appendix C.

In 2005, total VOCs were detected in ground water samples from wells in the Building 801/Pit 8 Landfill area at concentrations ranging from 0.8 μg/L (May 2005) at well K8-03B to 5.9 μg/L (June 2005) at well K8-01. During the second semester of 2005, the maximum total VOC concentration was 3.6 μg/L in the October 2005 sample from well K8-01. Figure 2.8-2 shows the measured ground water concentrations of total VOCs in the $Tnbs_1$/$Tnbs_0$ HSU for each well. Total VOC concentrations detected in ground water samples collected from wells downgradient of Building 801 have decreased from a historical maximum of 10 μg/L of VOCs in May 1990 to a maximum of 3.6 μg/L in the 2nd semester of 2005. TCE concentrations in ground water have been below the Federal and State MCL of 5 μg/L since 1992. 1,2-DCE has never been detected in ground water at concentrations above the Federal MCL of 5 μg/L, but remain above the State MCL of 0.5 μg/L.

During 2005, perchlorate was not detected in ground water samples above the reporting limit of 4 μg/L from any of the Building 801/Pit 8 monitor wells.

Figure 2.8-3 is a map of nitrate concentrations in $Tnbs_1$/ $Tnbs_0$ HSU ground water at Building 801/Pit 8. In 2005, nitrate was detected in ground water samples from wells in the Building 801/Pit 8 Landfill area at concentrations ranging from 13 mg/L (May 2005) at well K8-03B to 53 mg/L (June 2005) at wells K8-01 and K8-04. In 2004, nitrate was detected in ground water samples from wells in the Building 801/Pit 8 Landfill area at concentrations ranging from 1.8 mg/L (June 2004) at well K8-03B to 53 mg/L (June 2004) at well K8-04. All other nitrate concentrations from area ground water samples collected during 2004 and 2005 were below the 45 mg/L MCL. Overall, nitrate concentrations in ground water at the Building 801/Pit 8 Landfill generally are similar to previous years.

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

2.8.2. Building 833

VOCs are the primary COC in ground water at Building 833. Spills and rinsewater disposal at Building 833 resulted in minor VOC contamination of 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 2.8-4. Ground water elevations are presented in Appendix C. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-2. This table also delineates and explains deviations from the sampling plan and indicates any additions made to the CMP. Analytical results are presented in Appendix B.

The Tpsg HSU is a shallow, highly ephemeral perched water-bearing zone. During heavy rainfall events, this HSU may become saturated, but quarterly monitoring of the wells from 1993 to 2004 has shown little evidence of saturation. During 2005, all the wells screened in the Tpsg HSU at Building 833 were dry or had insufficient water to collect a valid sample, except for well W-833-12. A ground water sample collected from this well during the first quarter of 2005 contained 7.5 μg/L of TCE. Based on construction data for the well and the measured depth to water, it appears that this sample was collected from a sump below the screened zone and thus the origin of the sample is questionable. The most recent sample previously collected from the Tpsg HSU was from well W-833-03 in 2000, at which time all the other shallow wells were dry. This sample contained 20 μg/L of TCE.

Only well W-833-30, which is screened in the deep regional aquifer ($Tnbs_1$ HSU), contained sufficient water to collect a sample during 2005. VOCs were not detected in either the first or second semester 2005 ground water samples from this well, indicating that any VOC contamination continues to be confined to the shallow, Tpsg perched water-bearing zone.

2.8.3. Building 845 Firing Table and Pit 9 Landfill

Leaching from Building 845 Firing Table debris resulted in minor contamination of subsurface soil with depleted uranium and HMX. 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 and hydraulic gradient direction in the $Tnsc_0$ HSU is presented in Figure 2.8-5. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-3. During 2005, all required CMP detection monitoring samples were collected. There continues to be no 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 Landfill are screened in the lower Neroly Formation ($Tnsc_0$ HSU). Ground water elevation data collected from wells within the OU are similar to those collected during 2004 (Figure 2.8-5). Ground water elevation data 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 and ground water elevations and hydraulic gradient direction in the Tmss HSU is presented in Figure 2.8-6. During the first semester of 2005, ground water monitoring was conducted in accordance with the CMP monitoring requirements. The sampling and analysis plan for ground water monitoring is presented in Table 2.8-4. All required samples were collected and analyzed. Analytical results are presented in Appendix B.

Ground water elevation data collected from wells within the Building 851 area during 2005 are similar to those collected during 2004 (Figure 2.8-6). Ground water elevation data are presented in Appendix C.

Figure 2.8-7 is a map of 2005 ground water uranium activities and $^{235}U/^{238}U$ atom ratios for the Tmss HSU at Building 851. During 2005, ground water samples were collected from the four Building 851 area monitor wells and were analyzed for uranium isotopes by mass spectrometry. Total uranium activities ranged from <0.0627 pCi/L in the ground water sample from well W-851-05 (December 2005) to 1.50 ± 0.0610 pCi/L in the sample from well W-851-08 (November 2005). The atom ratio of $^{235}U/^{238}U$ in all 2005 samples from wells W-851-05, W-851-06, and W-851-08 indicated the addition of some depleted uranium, though the samples from well W-851-07 contained only natural uranium. During 2004, the samples from all four 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 activities 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 and remains well below the State ML of 20 pCi/L.

During 2005, the maximum Building 851 tritium activity was detected in a ground water sample from well W-851-08 at an activity of 136 +/- 61 pCi/L. During 2004, the maximum ground water tritium activity was detected in a ground water sample from well W-851-08 at an activity of 164 +/- 57 pCi/L (June 2004). The 2003 maximum ground water activity in the area was detected in a sample from well W-851-08 (270 pCi/L) indicating a trend of decreasing ground water tritium activities in this well and the Building 851 area 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 the Pit 2 Landfill, and no unacceptable risk or hazard to human or ecological receptors has been identified. The Detection Monitoring Program is designed to detect any future releases of contaminants from these landfills. 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 2005.

3.1. Pit 2 Landfill

During 2005, ground water samples were collected from Pit 2 Landfill detection monitoring wells K2-01C, NC2-08, W-PIT2-1934, and W-PIT2-1935 and analyzed for the CMP detection monitoring analytes. A map showing the locations of monitoring wells and Pit 2 is presented in Figure 2.5-1. However, during the first semester of 2005, non-radiological samples were not collected from well W-PIT2-1935 because there was no analytical laboratory under contract that could accept samples for non-radiological analysis that contained tritium at activities in the ground water from the well. This limitation has since been corrected. Additional detection monitoring wells are scheduled for installation at the Pit 2 Landfill during 2007.

The 2005 ground water potentiometric surface maps that the include Pit 2 Landfill are presented in Figures 2.5-2 and 2.5-3. Depth to ground water was measured at 50–55 ft beneath the Pit 2 Landfill. These data are consistent with previous water elevations. Ground water elevations are presented in Appendix C.

A map of 2005 ground water tritium activity within the $Tnbs_1/Tnbs_0$ HSU and including Pit 2 is presented in Figure 2.5-5. Tritium was detected below the 20,000 pCi/L MCL during 2005 in samples from all four wells. Tritium was detected at a maximum activity of 10,100 pCi/L in the November 2005 sample from well NC2-08. This represents an order-of-magnitude increase in tritium activity from the first semester well NC2-08 activity of 1,100 pCi/L (February 2005). The overall distribution of ground water tritium activities in the Pit 2 area (Figure 2.5-5) is primarily a result of transport of the Building 850 tritium plume into the Pit 2 Landfill area, although it is possible that the Pit 2 Landfill is releasing some tritium to ground water.

A map of 2005 ground water uranium activity and $^{235}U/^{238}U$ atom ratio within the $Tnbs_1/Tnbs_0$ HSU and including Pit 2 is presented in Figure 2.5-7. The uranium activities detected in ground water samples from the Pit 2 Landfill monitor wells are all historically below the drinking water standard of 20 pCi/L. Depleted uranium was detected in ground water samples from well K2-01C, W-PIT2-1934, and W-PIT2-1935. The maximum total uranium activity of 17 pCi/L was detected in a sample from well W-PIT2-1934 (June 2005). The maximum 2004 uranium activity in Pit 2 area ground water was detected in a sample from well W-PIT2-1934 and contained some depleted uranium and a total uranium activity of 17.4 pCi/L. 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 to the naturally-occurring uranium in the ground water by the Pit 2 Landfill. The release may be the result of the discharge of potable water that was used to maintain a wetland habitat for red-legged frogs (a Federally-listed endangered species) within a drainage channel that extends along the northern and eastern margin of the Pit 2 Landfill. This discharge was discontinued in 2005.

No other constituents that were monitored during 2005 as part of the Detection Monitoring Program were detected in ground water. None of the other chemicals monitored in ground water at the Pit 2 Landfill (metals, fluoride, HMX, RDX, nitrate, or perchlorate) were detected above regulatory limits. During 2005, perchlorate was not detected (reporting limit = 4 μg/L) in any ground water samples. During 2004 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 Landfill ground water Detection Monitoring Program are presented in Table 3.1-1. There were no deviations from the sampling plan, except for samples not collected from well W-PIT2-1935 during the first semester. Analytical results are presented in Appendix B.

3.1.3. Landfill Inspection Results

The Pit 2 Landfill was inspected four times during 2005. Shallow burrow holes were observed in the cover. No other problems were observed.

3.1.4. Annual Subsidence Monitoring Results

Annual subsidence monitoring was conducted during the second semester of 2005 and did not indicate any subsidence.

3.1.5. Maintenance

Maintenance on the pit cover was completed during the second semester of 2005.

3.2. Pit 8 Landfill

3.2.1. Contaminant Detection Monitoring Results

During 2005, ground water samples were collected from the Pit 8 Landfill 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 in the Pit 8 Landfill area wells as indicated by the Detection Monitoring Program ground water data collected during 2005.

Tritium activities in first and second semester 2005 samples from wells K8-02B and K8-04 were all less than 100 pCi/L, except for one sample from well K8-02B that contained 115 ± 54.0 (October 2005). Tritium activities in second semester 2004 samples from wells K8-02B and K8-04 were 194 ± 54.0 (November 2004) and 136 ± 51.0 pCi/L (November 2004), respectively. The 2005 samples from the Pit 8 Landfill wells conclusively indicate background tritium activities.

Maximum total VOC concentrations, as TCE, were detected in ground water samples from downgradient wells K8-02B (1.4 µg/L, June 2005) and K8-04 (1.2 µg/L, October 2005) suggesting that the VOC plume originating at Building 801 is migrating beneath the Pit 8 Landfill. VOCs were also detected at 1.6 µg/L in the December 2005 sample from upgradient well K8-03B.

A ground water potentiometric surface map is presented in Figure 2.8-2. Ground water elevation data 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 2005 compared to the previous years. Ground water elevations are presented in Appendix C.

3.2.2. Sampling and Analysis Plan Modifications

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

3.2.3. Landfill Inspection Results

The Pit 8 Landfill was inspected four times during 2005. Shallow burrow holes were observed in the cover. No other problems were observed.

3.2.4. Annual Subsidence Monitoring Results

Annual subsidence monitoring was conducted during the second semester of 2005 and did not indicate any subsidence.

3.2.5. Maintenance

Necessary maintenance on the pit cover was completed during the second semester of 2005.

3.3. Pit 9 Landfill

3.3.1. Contaminant Detection Monitoring Results

During 2005, ground water samples were collected from the four Pit 9 Landfill monitoring wells and analyzed for a suite of chemicals including VOCs; nitrate; perchlorate; high explosives compounds; and Title 26 metals. During 2005, there were no new detections of constituents of concern above background ranges in the Pit 9 Landfill area ground water samples as indicated by the Detection Monitoring Program ground water sample analytical results.

A ground water elevation map that includes the locations of monitoring wells and Pit 9 is presented in Figure 2.8-5. 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. Ground water elevation data are presented in Appendix C.

3.3.2. Sampling and Analysis Plan Modifications

The sampling and analysis plan for the Pit 9 Landfill ground water Detection Monitoring Program are presented in Table 2.8-3. There were no 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 2005. Shallow burrow holes were observed in the cover. No other problems were observed.

3.3.4. Annual Subsidence Monitoring Results

Annual subsidence monitoring was conducted during the second semester of 2005 did not indicate any subsidence.

3.3.5. Maintenance

Necessary maintenance on the pit cover was completed during the second semester of 2005.

4. Risk and Hazard Management Program

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

4.1. Human Health Risk and Hazard Management

4.1.1. Annual Inhalation Risk Evaluation

The CMP (Ferry et al., 2002) requires that the risk and hazard associated with volatile contaminants in the subsurface migrating upward into indoor and outdoor ambient air and being inhaled by workers be re-evaluated annually using current data. The following risk evaluations were performed during 2005:

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

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

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

The Building 854F was demolished in 2005 removing the indoor air exposure pathway. Consequently, the indoor ambient air risk will no longer be evaluated for this building.

Institutional controls, such as restricting access to or activities in areas of elevated risk, remained in place during 2005 to prevent unacceptable exposure to contaminants during remediation for those buildings and areas that continue to show an unacceptable risk and/or hazard.

Inhalation risk and hazard resulting from transport of VOC vapors from ground water to the building foundations and subsequently into indoor ambient air was estimated using the Johnson-Ettinger Model (EQM, 2003).

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 a building. 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 was selected as the source concentration. If the VOC of interest was not detected in any nearby wells, then the highest reporting limit was used as the source concentration. For the Johnson-Ettinger model, site-specific building dimensions and air-exchange rates were used.

The individual chemical risk, hazard index, and cumulative risk values estimated for the indoor ambient air are reported in Table 4.1-1 for those buildings that were evaluated in 2005. 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. The estimated risk in 2005 remained above 10^{-6} and/or hazard quotient above 1 for the indoor ambient air exposure pathway evaluated at Buildings 834D, 830, and 833. The estimated risk in 2005 was below the 10^{-6} and hazard quotient below 1 for the indoor ambient air exposure pathway evaluated at Building 854A. 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 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 Springs 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. Springs 3, 5 and 7 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. Springs 3, 5 and 7 were again monitored during first semester 2005 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. These springs will be monitored for the presence of surface water or green hydrophilic vegetation in 2006 and air samples will be collected if present.

4.1.2. Excavation of Polychlorinated Biphenyl-contaminated (PCB) Soil at the Building 855 Lagoon in the Building 854 OU

An unacceptable risk was identified for onsite workers that could be exposed to PCBs in soil at the Building 855 Lagoon in the Building 854 OU. As a result, the excavation of PCB-contaminated soil from the former Building 855 lagoon was specified in the Remedial Design for the Building 854 OU (Daily et al., 2003). The First Semester 2003 (Carlsen, 2003) and 2003 Annual (Dibley, 2004a) CMRs reported the results of the additional characterization work that was completed in 2003. As the hand augering of the boreholes drilled in September of 2003 could only reach a depth of 6 ft and PCBs were detected at this depth in one of the boreholes, DOE/LLNL drilled and sampled two additional boreholes to a depth of 20.5 ft using a drilling rig in January 2005. Based on the 2003 and 2005 soil sample results, DOE/LLNL excavated and disposed of approximately 130 cubic yards of soil during the spring and summer of 2005. The results of the investigation and remedial action are described in the letter report, *Excavation of polychlorinated biphenyl-contaminated soil at the Building 855 lagoon at Lawrence Livermore National Laboratory (LLNL) Site 300* (Holtzapple, 2005).

The onsite worker inhalation, dermal, and ingestion risk from exposure to PCB-contaminated soil at the Building 855 lagoon has been mitigated.

4.2. Ecological Risk and Hazard Management

The Ecological Risk and Hazard Management Program, as outlined in the Compliance Monitoring Plan (2002) consisted of the following components: 1) semiannual surveys for important burrowing species (these include special status species such as State of California or federally listed threatened or endangered species or State of California species of special concern) in areas associated with hazard indices greater than 1 (the areas identified in the CMP were Building 834, Building 850 and Pit 6), 2) quarterly burrow air sampling for the presence of VOCs in the Pit 6 and Building 834 survey areas, 3) surface soil sampling and analysis for the presence of cadmium in the Building 834 survey area, 4) an evaluation of the ecological significance of the presence of PCBs and dioxins/furans at Building 854 and 850, and 5) a re-evaluation every 5 years of the Site 300 ecology and contaminants, to ensure ecological risk from Site 300 contaminants remains adequately characterized.

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

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

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

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

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

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

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

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

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

California tiger salamanders spend most of their lives in upland habitat, and are known to travel up to 2 km from breeding pools (USFWS, 2004). Because of the proximity of known California tiger salamander observations to the Building 850 survey area, the presence of ground squirrel burrows in the area, and the proximity of breeding habitat, it is likely that the U.S. Fish and Wildlife Service would consider this area occupied by California tiger salamanders during any future consultations regarding work in this area.

Driving surveys for Western Burrowing Owls will continue during 2006 in the area surrounding Building 850. Surveys for California tiger salamanders will also be conducted in 2006 at the burrow systems located in the Building 850 survey area. These surveys will involve surveys conducted during rain nights in which burrow openings are inspected, conducted during the late winter or early spring.

5. Data Management Program

The management of data collected during 2005 was subject to the standard Environmental Restoration Division (ERD) data management process and standard operating procedures (Goodrich and Depue, 2004). 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 CMR was transitioned from Ingres database software to Oracle database software. As a result of this transition, the tools and applications used to process the CMR data were rebuilt as web applications. Additional refinements were implemented during the first and second semester of 2005 to improve chain of custodies, data entry, and querying abilities. Existing standard operating procedures are being modified to reflect the changes necessitated by the transition to the Oracle database.

5.2. New Procedures

The Site 300 CMR sampling and analysis plan was developed based upon the negotiated sampling locations and frequencies. The software tools used to create and execute the sampling plan were completely rewritten in the second semester of 2004 to increase efficiency in plan inputting, creating labels and Chains of Custody, and tracking sampling and receipt of analytical data. As a result of the changes, new operating procedures where implemented in 2004. In 2005, many refinements were needed to make the new procedures more effective, for example, how to identify cancelled samples in the sampling plan and the verification that checks for duplicate samples with different requested analyses and analytes. The documentation of the new procedures is in process.

6. Quality Assurance/Quality Control Program

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

All Operational Safety Plans (OSPs) have been successfully integrated into the applicable Integration Work Sheets (IWSs) on or before the expiration date of the OSP. OSPs have now been completely phased-out. Chapters 1 and 4 of the ERD's Standard Operating Procedures

(SOPs) are in the process of being reviewed and revised and are planned for release in April 2006.

6.2. New Procedures

In addition to the SOPs revision, a new procedure is being written, SOP 1.13, "Operation of the AMS TR7000 Well Management System," which will also be included in the April release. An IWS is being developed to identify hazards and corresponding controls associated with the usage of the AMS rig; IWS 12545, "Operation of the AMS TR7000 Well Management System" is still in draft form.

6.3. Self-assessments

The Safety and Environmental Protection (SEP) Directorate, and the ERD perform formal and informal self-assessments at an annual or triennial frequency. These assessments are used to evaluate work activities to QA procedures, management practices, and the integration of ES&H programmatic requirements. External regulatory agencies also perform frequent walkabouts during ERD work activities. During this reporting period, there were a total of eighteen assessments and walkabouts performed for the ERD Site 300 work activities. Issues and deficiencies observed during the assessments are tracked from inception to resolution using the institutional Issues Tracking System (ITS).

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 four QIFs were processed during this reporting period. Suggested improvements were addressed and corrective measures employed to improve related processes. Two of the QIFs have been successfully closed-out. Corrective actions or suggested improvements specified in the remaining QIFs are being implemented.

6.5. Analytical Quality Control

Data review, validation, and verification are conducted on 100% of the incoming analytical data. Contract analytical laboratories are contractually required to provide internal quality control 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. There were no significant data anomalies to report during this period.

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. The need to submit trip blanks for each sampling event where samples are to be analyzed for VOCs was reiterated to personnel. A situation arose where sample analysis indicated the presence of a VOC that is typically a lab contaminant, but the ability to decipher the introduction of the contaminant was reduced due to the omission of a trip blank.

7. References

California Department of Fish and Game (2004), State and Federally Listed Endangered and Threatened Animals of California. Available online at: http://www.dfg.ca.gov/hcpb/species/t_e_spp/tespp.shtml.

California Regional Water Quality Control Board, Central Valley Region (2005), *Monitoring And Reporting Program For Regents Of The University Of California United States Department Of Energy And Lawrence Livermore National Laboratory Site 300 Eastern General Services Area Groundwater Treatment System, San Joaquin County*.

Carlsen, T., V. Dibley, S. Gregory, V. Madrid, M. Taffet, J. Valett (2003), *First Semester 2003 Compliance Report for Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif.

Daily, W., M. Denton, V. Dibley, P. Krauter, V. Madrid, S. Martins, and J. Valett, (2003), *Interim Remedial Design for the Building 854 Operable Unit at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-153883).

Daily, W. (2004), *Operations and Maintenance Manual, Volume VI: Central General Services Area Vapor and Ground Water Treatment Facilities (VTFCGSA and TFCGSA)*, Lawrence Livermore National Laboratory, Livermore, Calif.

Dibley, V.R. (1999), *Livermore Site and Site 300 Environmental Restoration Projects Quality Assurance Project Plan*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-103160 Rev. 2).

Dibley, V., R. Blake, T. Carlsen, M. Denton, R. Goodrich, S. Gregory, K. Grote, V. Madrid, C. Stoker, M. Taffet, J. Valett (2004a), *2003 Annual Compliance Report for Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-206319).

Dibley, V., R. Blake, T. Carlsen, S. Chamberlain, W. Daily, Z. Demir, M. Denton, R. Goodrich, S. Gregory, V. Madrid, M. Taffet, J. Valett (2004b), *First Semester 2004 Compliance Monitoring Report, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-206769-04).

Dibley, V., T. Carlsen, S. Chamberlain, W. Daily, Z. Demir, M. Denton, R. Goodrich, S. Gregory, V. Madrid, M. Taffet, J. Valett (2005a), *2004 Annual Compliance Monitoring Report, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-206319-04).

Dibley, V., T. Carlsen, S. Chamberlain, W. Daily, Z. Demir, M. Denton, R. Goodrich, S. Gregory, V. Madrid, M. Taffet, J. Valett (2005b), *First Semester 2005 Compliance Monitoring Report, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-206769-05).

Environmental Quality Management, Inc. (2001), *Supplemental Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathways*, Prepared for the USEPA Superfund Program Office of Emergency Response and Remediation, Washington, D.C.

Environmental Quality Management, Inc. (2004), *User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings*, Prepared for the USEPA Superfund Program Office of Emergency Response and Remediation, Washington, D.C.

Ferry, L., R. Ferry, W. Isherwood, and J. Ziagos (1999), *Final Site-Wide Feasibility Study for Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-132609).

Ferry, R., L. Ferry, M. Dresen, and T. Carlsen (2002), *Compliance Monitoring Plan/Contingency Plan for Interim Remedies at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-147570).

Ferry, L., and C. Holtzapple (2005), Lawrence Livermore National Laboratory, Environmental Restoration Division, Livermore, Calif., letter to Ted Park, Kathy Setian, and Susan Timm, August 2, 2005, "Central GSA Soil Vapor Extraction Zone of Influence Testing at Lawrence Livermore National Laboratory Site 300."

Ferry, L., and C. Holtzapple (2006), Lawrence Livermore National Laboratory, Environmental Restoration Division, Livermore, Calif., letter to Susan Timm, January 25, 2006, "Remediation Optimization Plan/Implementation Schedule for the Eastern General Services Area Treatment Facility at Lawrence Livermore National Laboratory Site 300."

Goodrich, R., and R. Depue (Eds.) (2004), *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs)*, Lawrence Livermore National Laboratory Livermore, Calif. (UCRL-MA-109115 Rev. 11).

Gregory, S., V. Madrid, L. Ferry, R. Halden, Z. Demir (2002), *Interim Remedial Design for the Building 834 Operable Unit at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-144919).

Holtzapple, C. (2005), *Excavation of polychlorinated biphenyl-contaminated soil at the Building 855 lagoon at Lawrence Livermore National Laboratory (LLNL) Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (letter report).

Johnson, P. C, and R. A. Ettinger (1991), "Heuristic Model for Predicting the Intrusion Rate of Contaminant Vapors in Buildings," *Environ. Sci. Technol.* **25**, 1445–1452.

Johnson, P. C. (2002), "Identification of Critical Parameters for the Johnson and Ettinger (1991) Vapor Intrusion Model," American Petroleum Institute *Bulletin No. 17*, Washington, D.C.

LLNL (1999), *Eastern GSA Treatment Facility Operations Checklist*, Lawrence Livermore National Laboratory, Livermore, Calif.

Madrid, V., J. Valett, M. Denton, Z. Demir, M. Dresen, B. Daily, and V. Dibley (2005), *Interim Remedial Design Document for the Building 832 Canyon Operable Unit Lawrence Livermore National Laboratory,* Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-214990).

Rueth, L.S., R.A. Ferry, L.K. Green-Horner, and T.H. De Lorenzo (1998), *Remedial Design Document for the General Services Area Operable Unit Treatment Facilities Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-127465).

Taffet, M.J., V. Dibley, L. Ferry, W. Daily, Z. Demir, V. Madrid, J. Valett, and S. Bilir (2004), *Interim Remedial Design for the Building 850 Subarea at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCAR-AR-201835).

U.S. Department of Energy (2001), *Interim Site-Wide Record of Decision for Lawrence Livermore National Laboratory Site 300,* Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-138470).

U.S. Fish and Wildlife Service (2004), "Endangered and Threatened Wildlife and Plants; Determination of Threatened Status for the California Tiger Salamander; and Special Exemption for Existing Routine Ranching Activities; Final Rule," Federal Register **69**(149) 47212–47248.

Figures

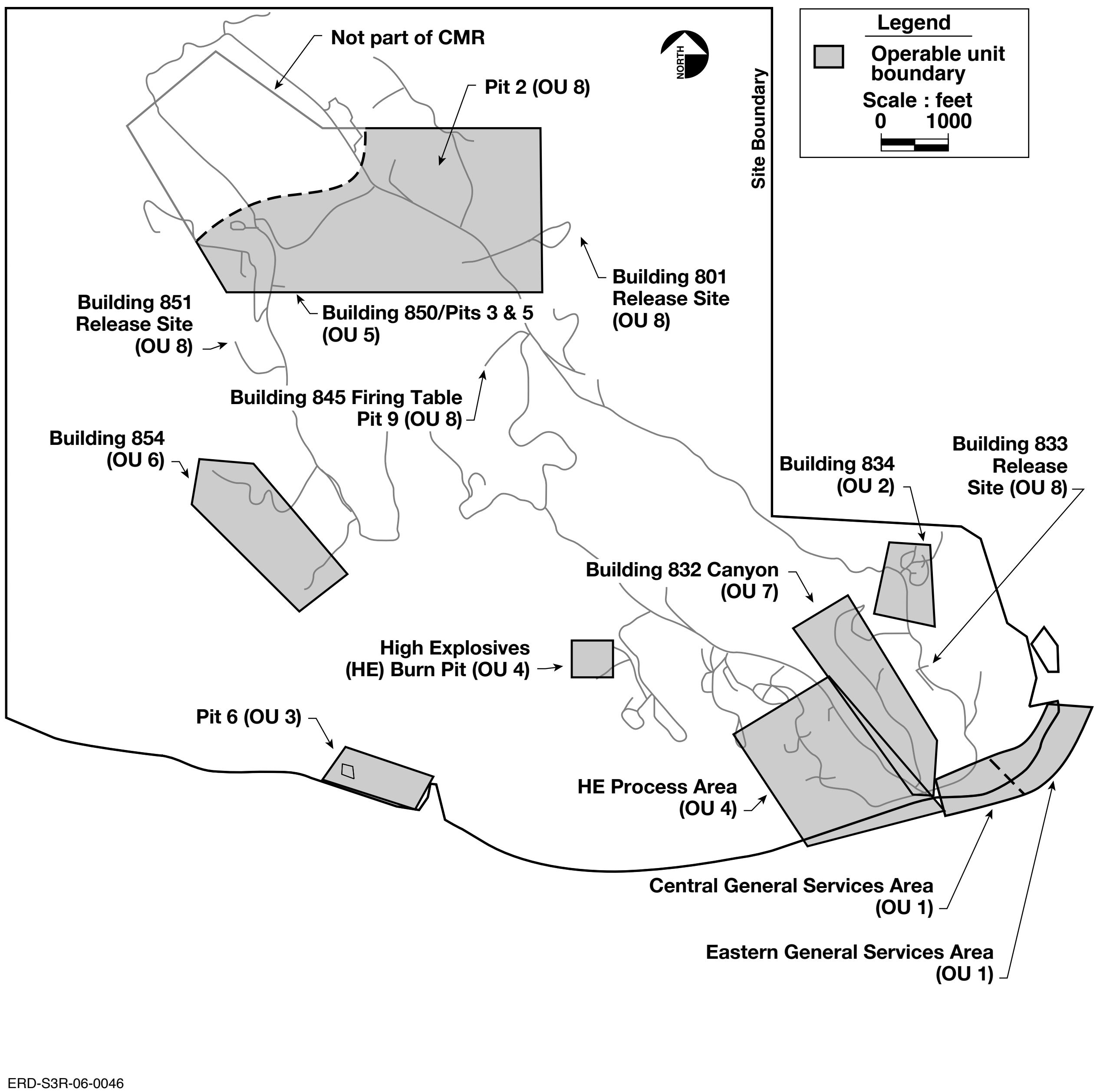


Figure 2-1. Site 300 map showing OU locations.

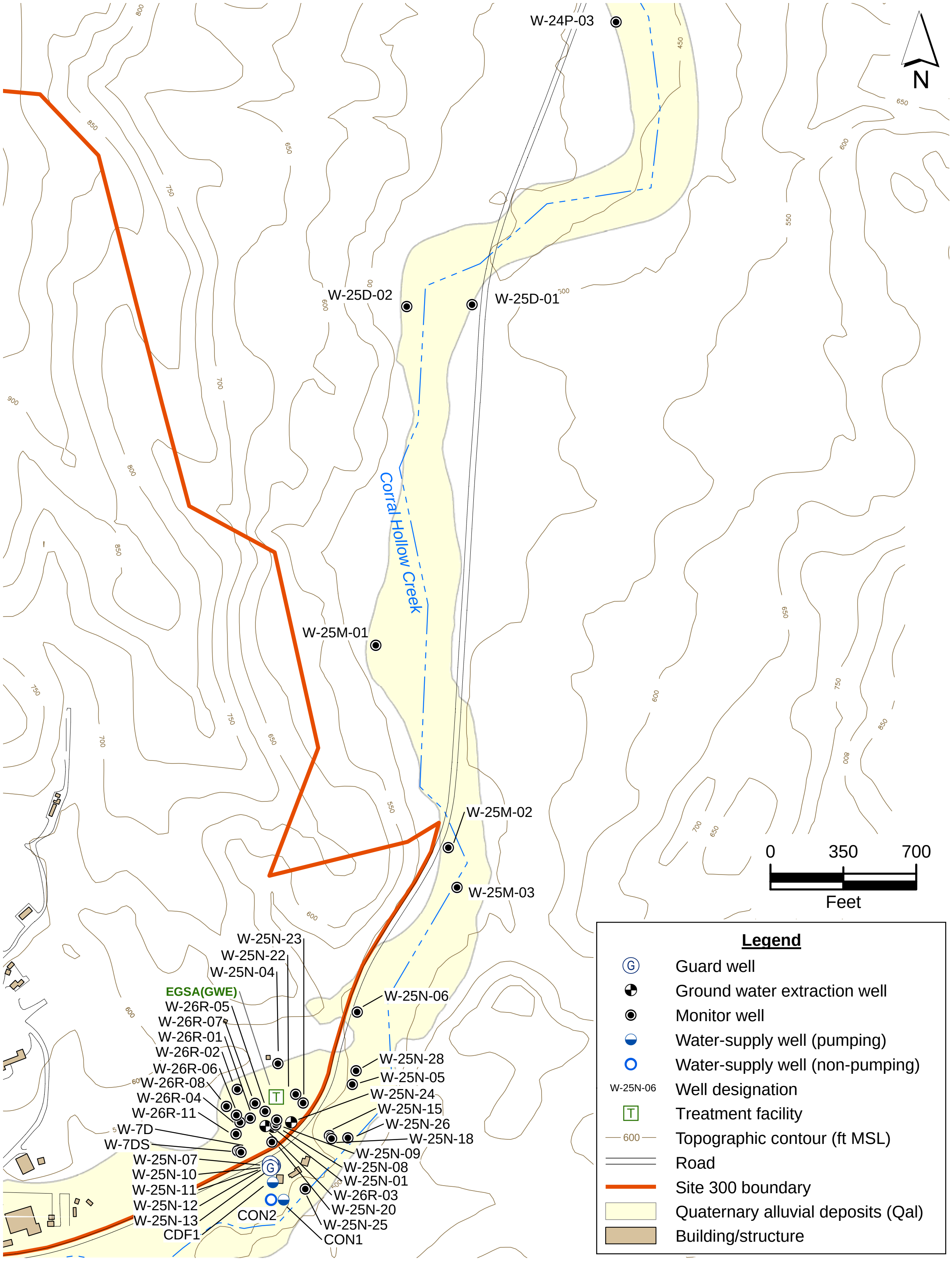


Figure 2.1-1. Eastern General Services Area OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

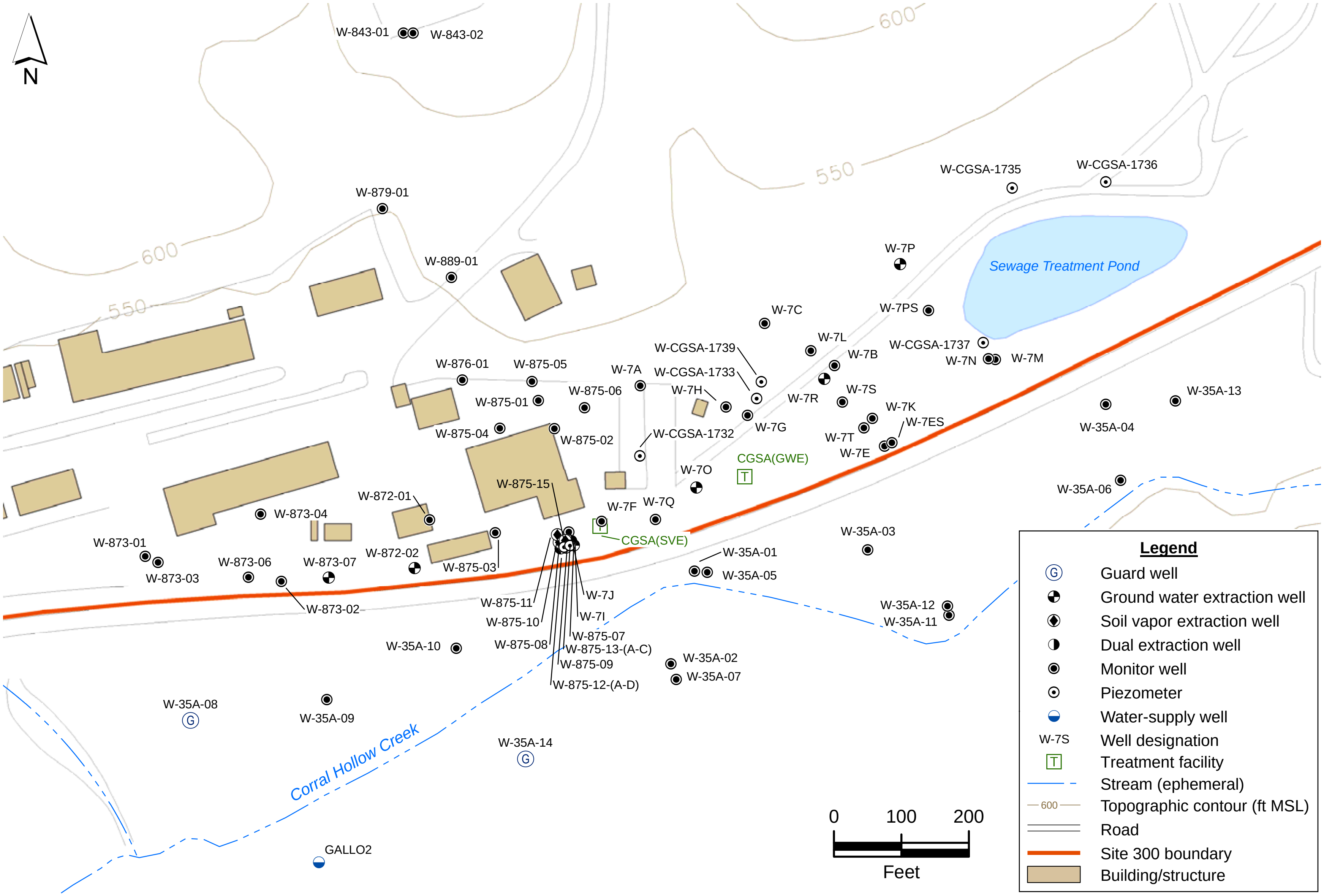


Figure 2.1-2. Central General Services Area OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

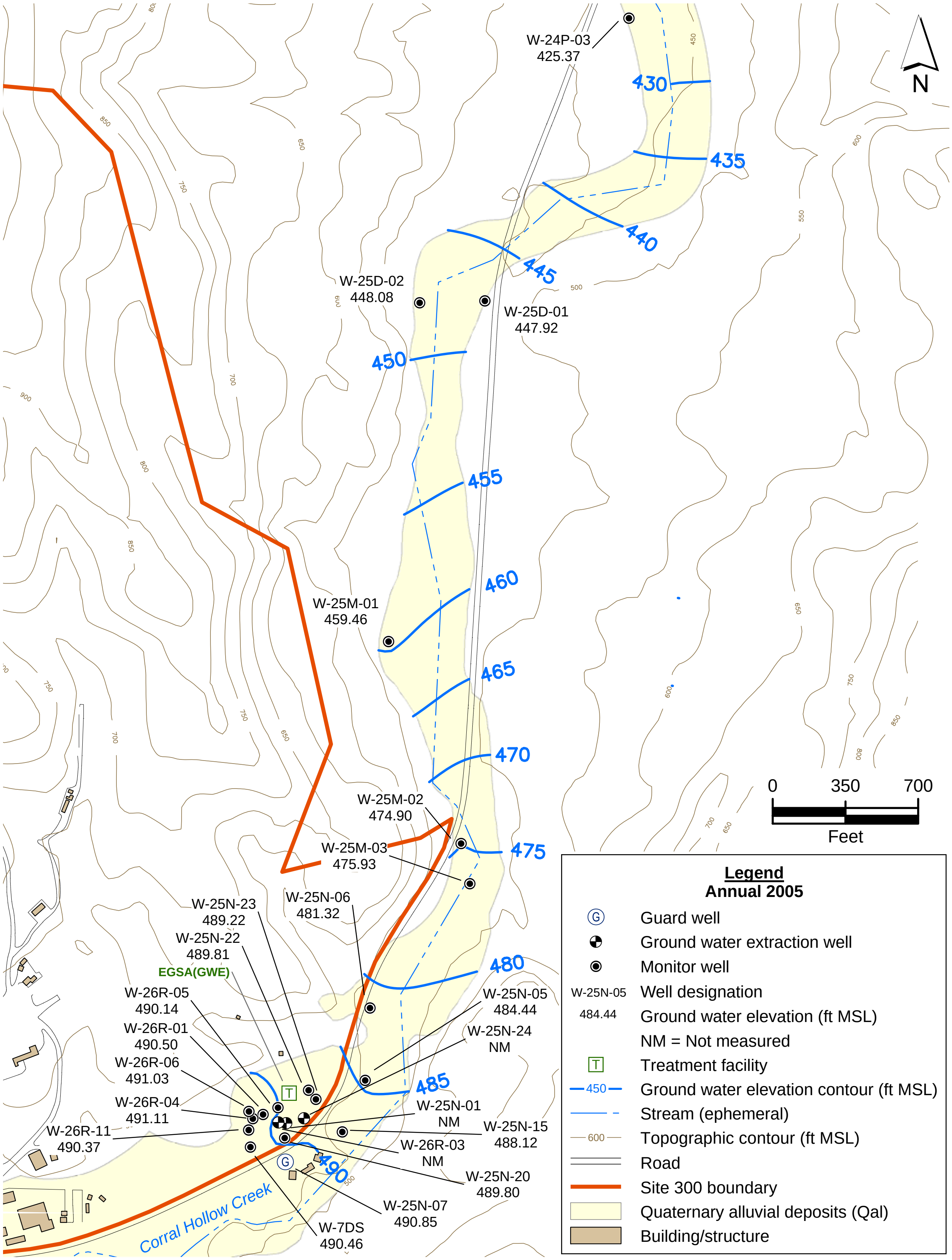


Figure 2.1-3. Eastern General Services Area OU ground water potentiometric surface map for the Qal-Tnbs$_1$ HSU.

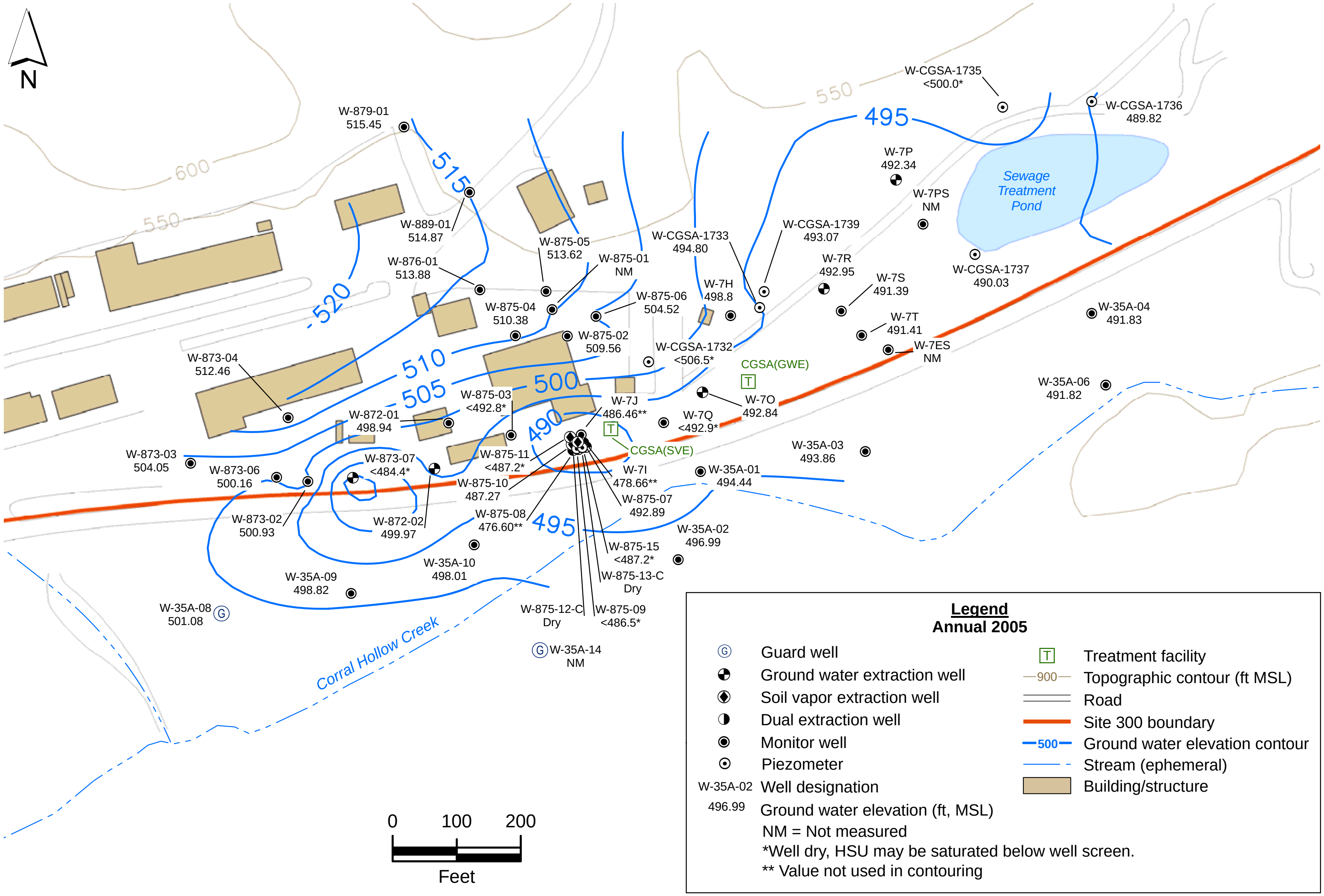


Figure 2.1-4. Central General Services Area OU ground water potentiometric surface map for the Qt-Tnsc$_1$ and Qal-Tnbs$_1$ HSUs.

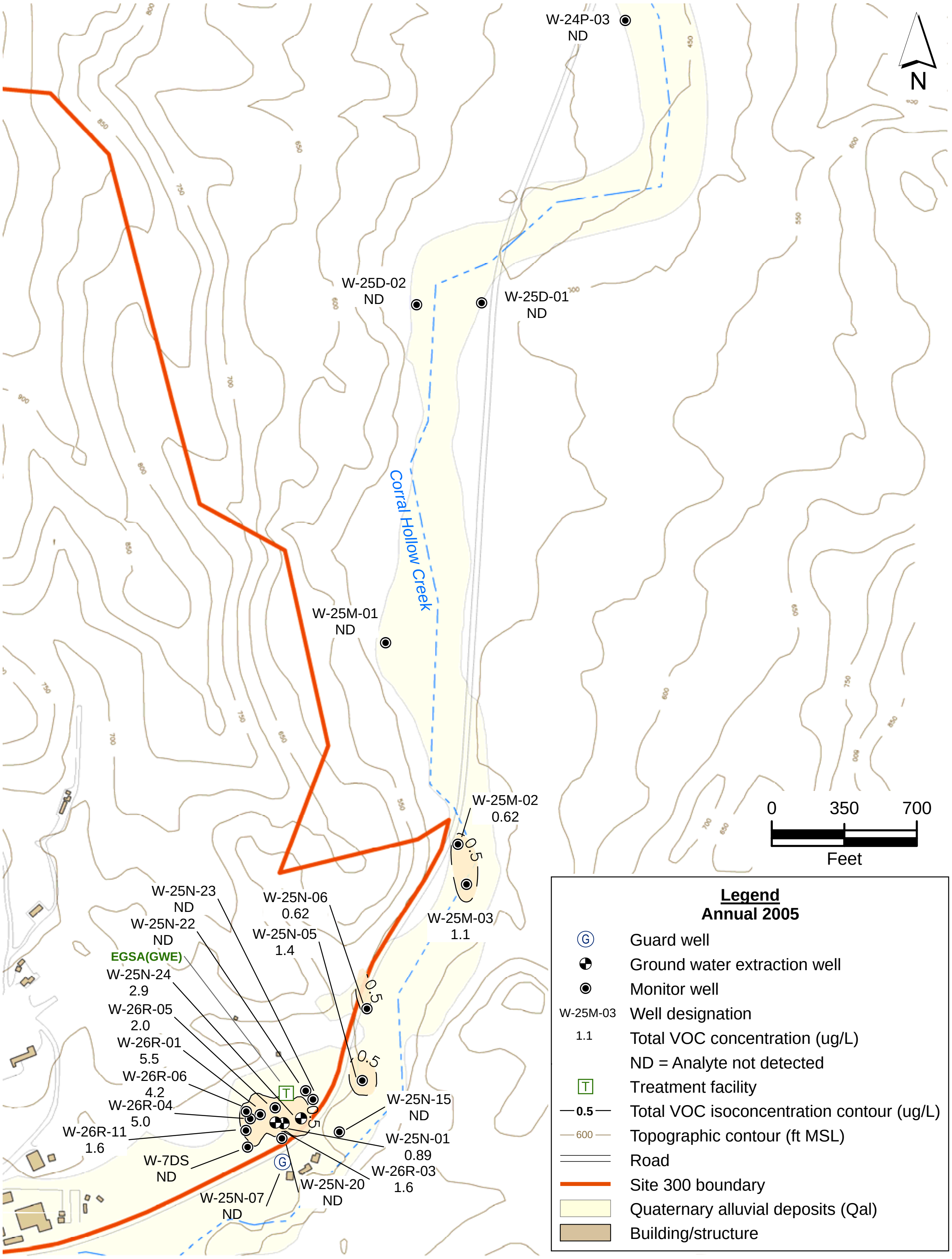


Figure 2.1-5. Eastern General Services Area OU total VOC isoconcentration contour map for the Qal-Tnbs$_1$ HSU.

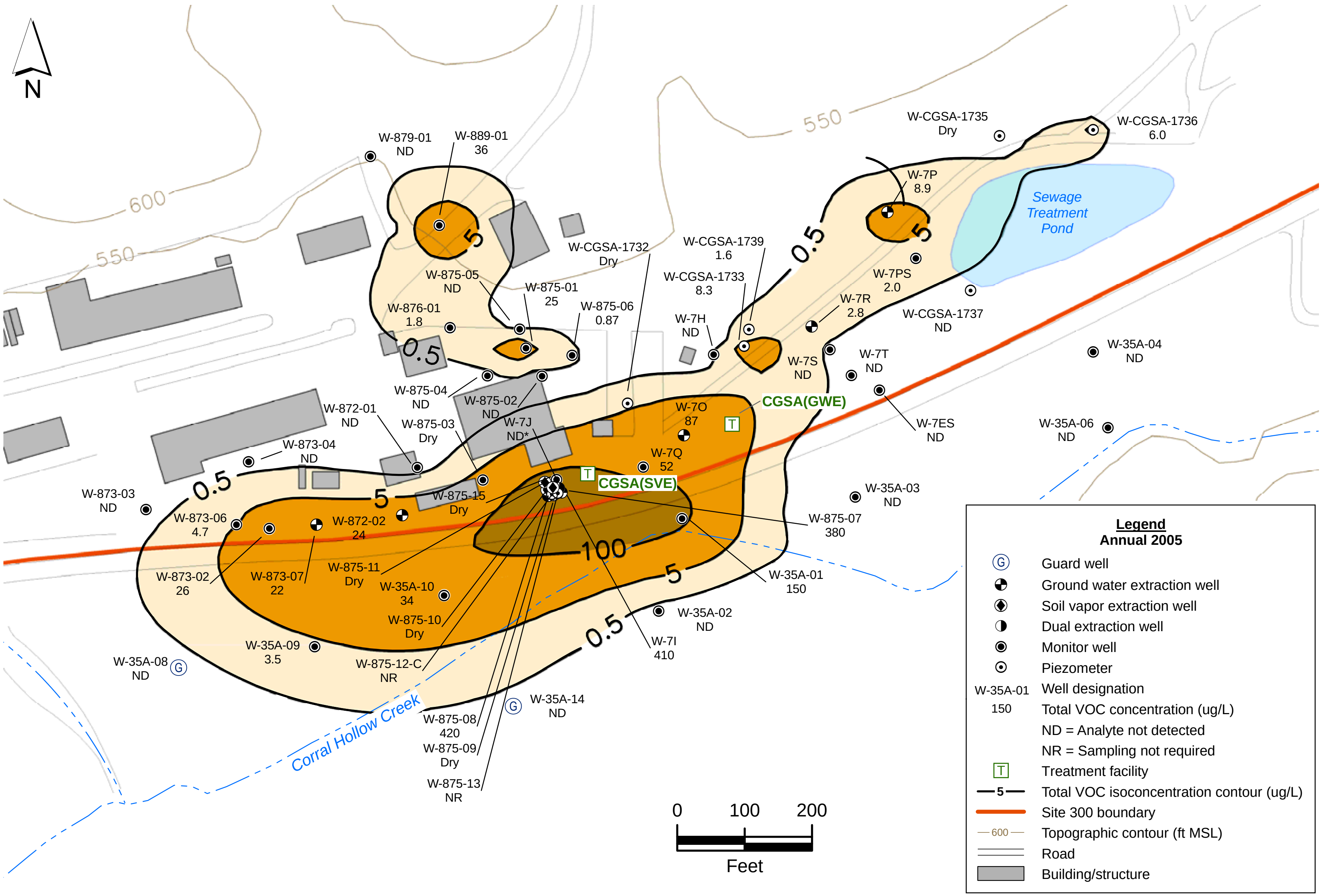
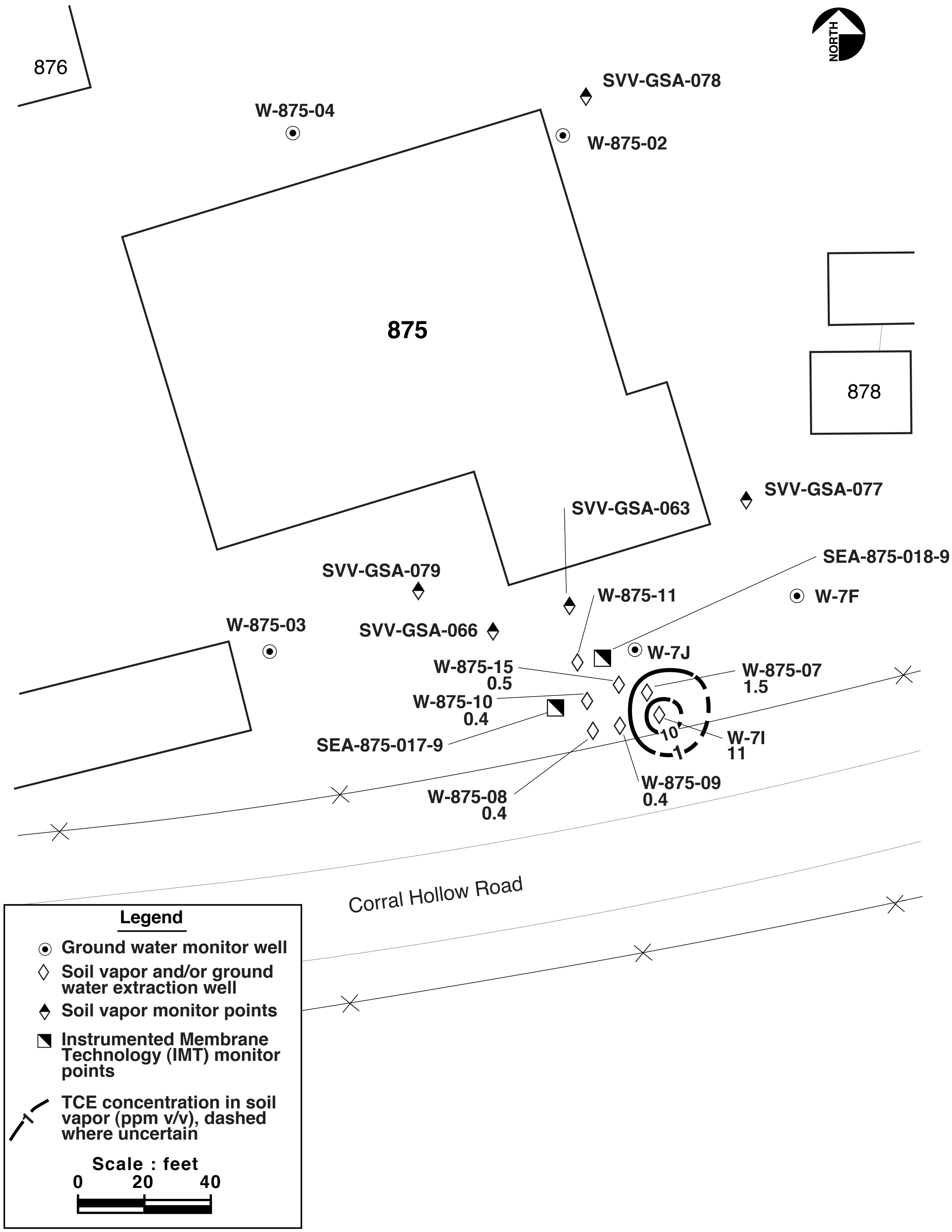


Figure 2.1-6. Central General Services Area OU total VOC isoconcentration contour map for the Qt-Tnsc$_1$ and Qal-Tnbs$_1$ HSUs.



ERD-S3R-06-0045

Figure 2.1-7. TCE concentration (ppm v/v) in soil vapor near Building 875 of the Central GSA, October 20, 2005.

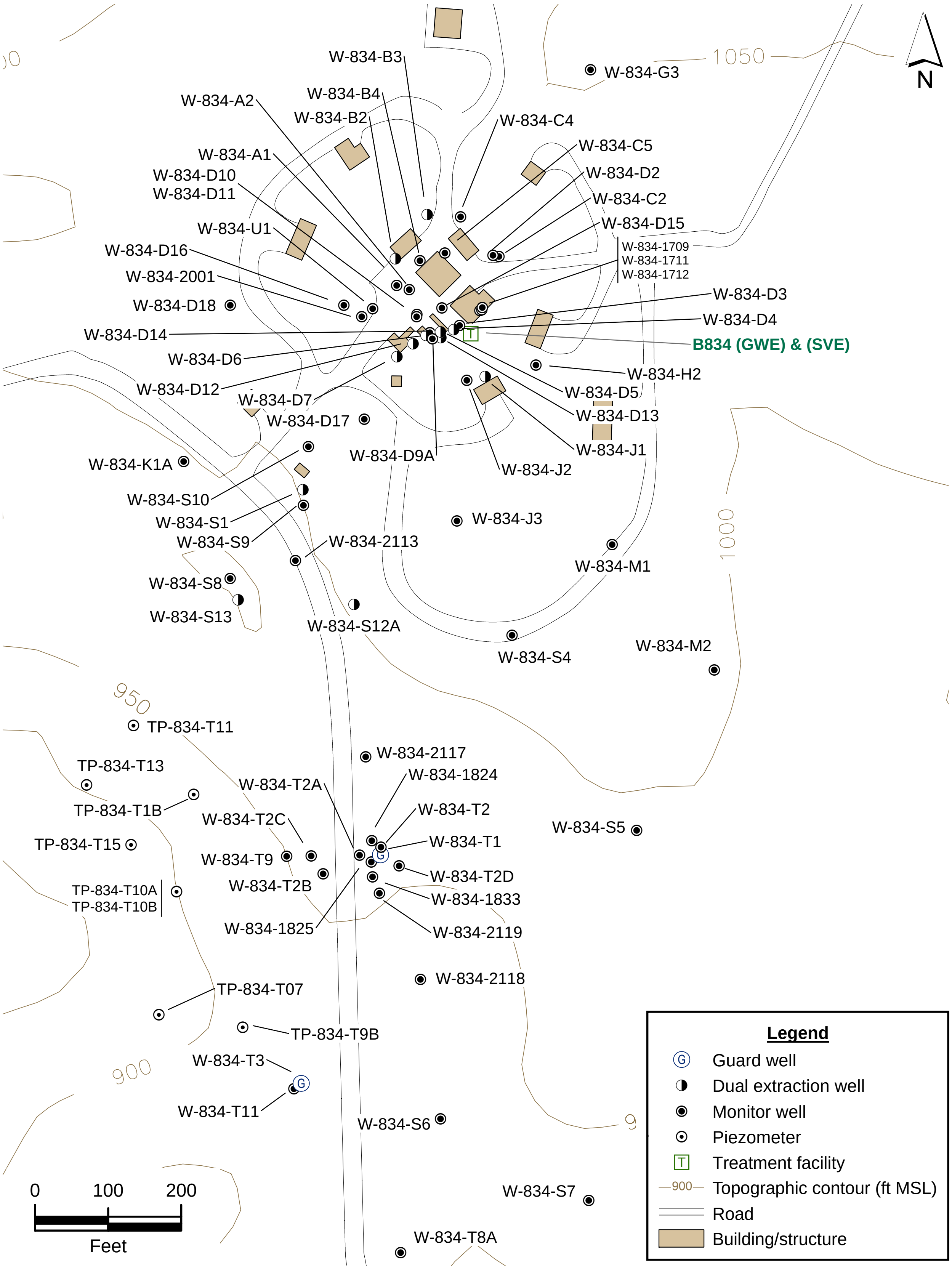


Figure 2.2-1. Building 834 OU site map showing piezometers and monitor, extraction, and guard wells.

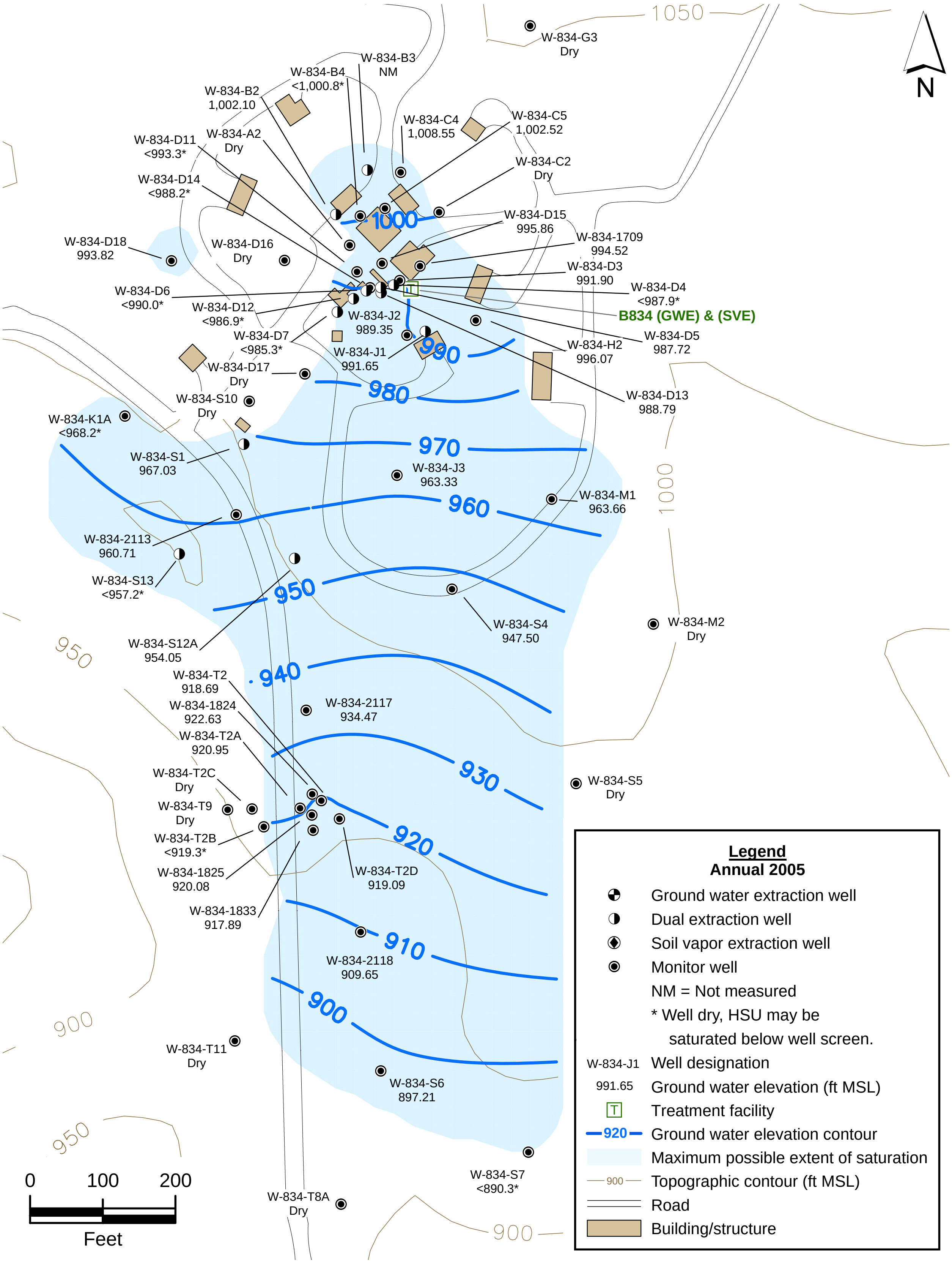


Figure 2.2-2. Building 834 OU ground water potentiometric surface map for the Tpsg perched water-bearing zone.

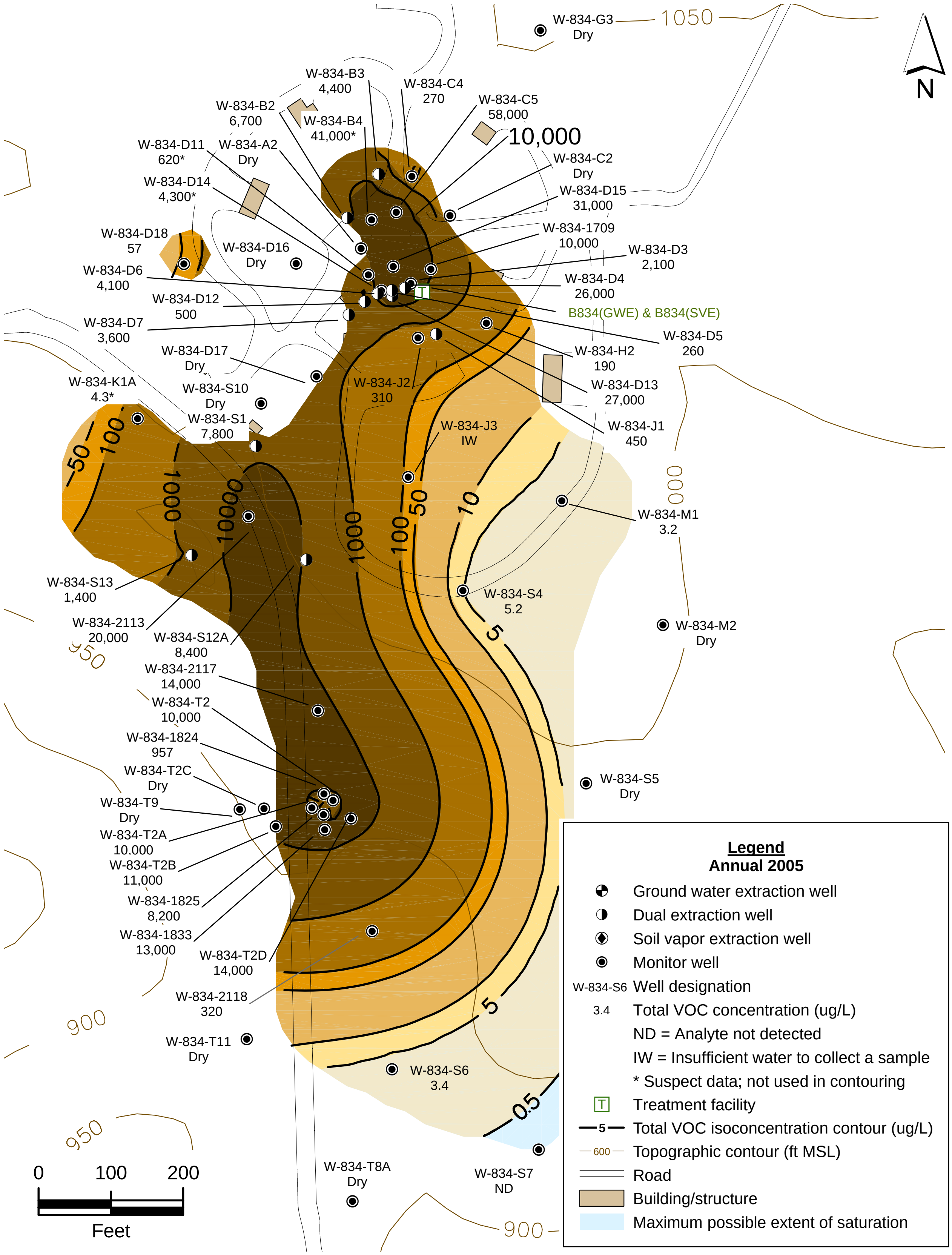


Figure 2.2-3. Building 834 OU TVOC isoconcentration contour map for the Tpsg perched water-bearing zone.

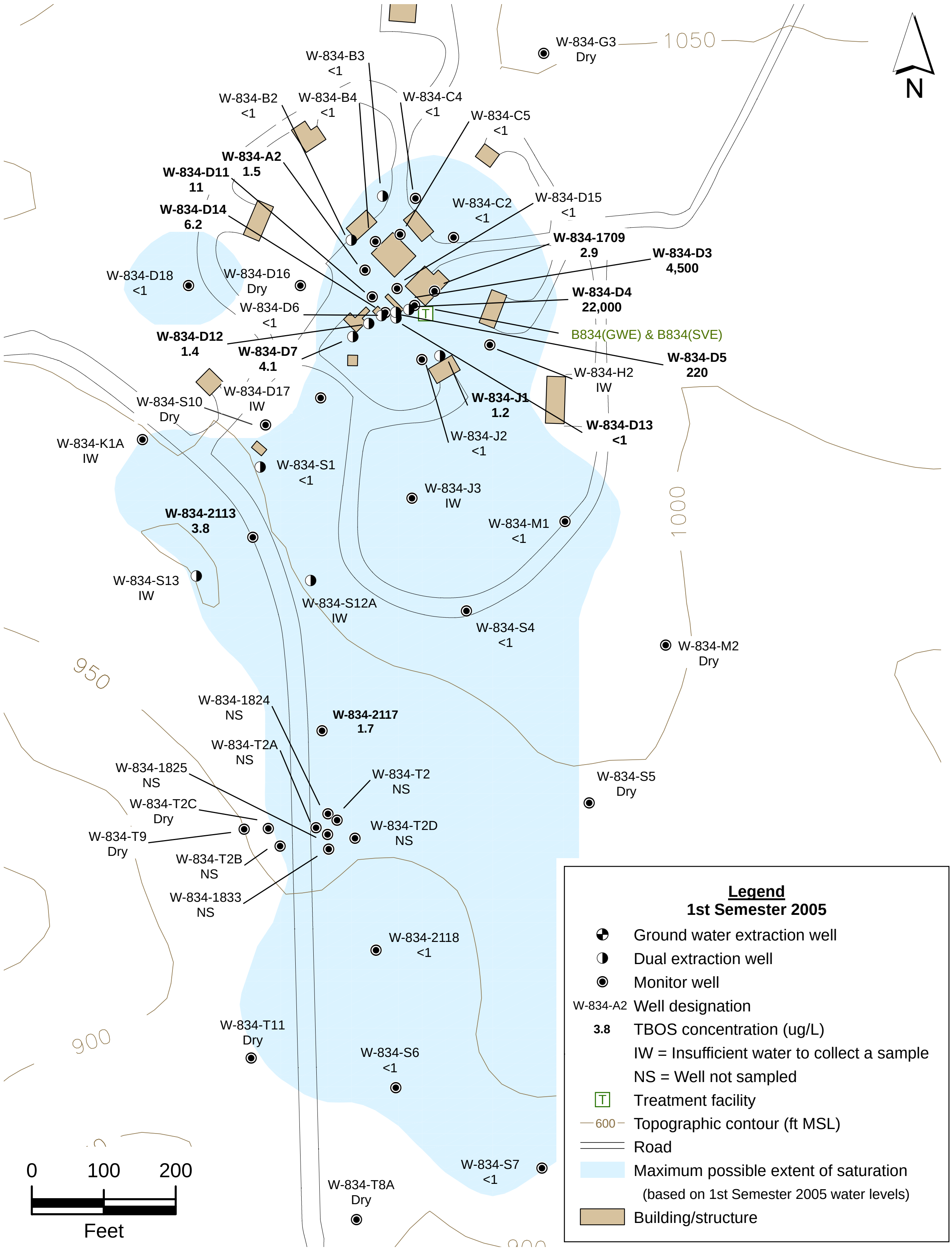


Figure 2.2-4. Building 834 OU map showing TBOS concentrations for the Tpsg perched water-bearing zone.

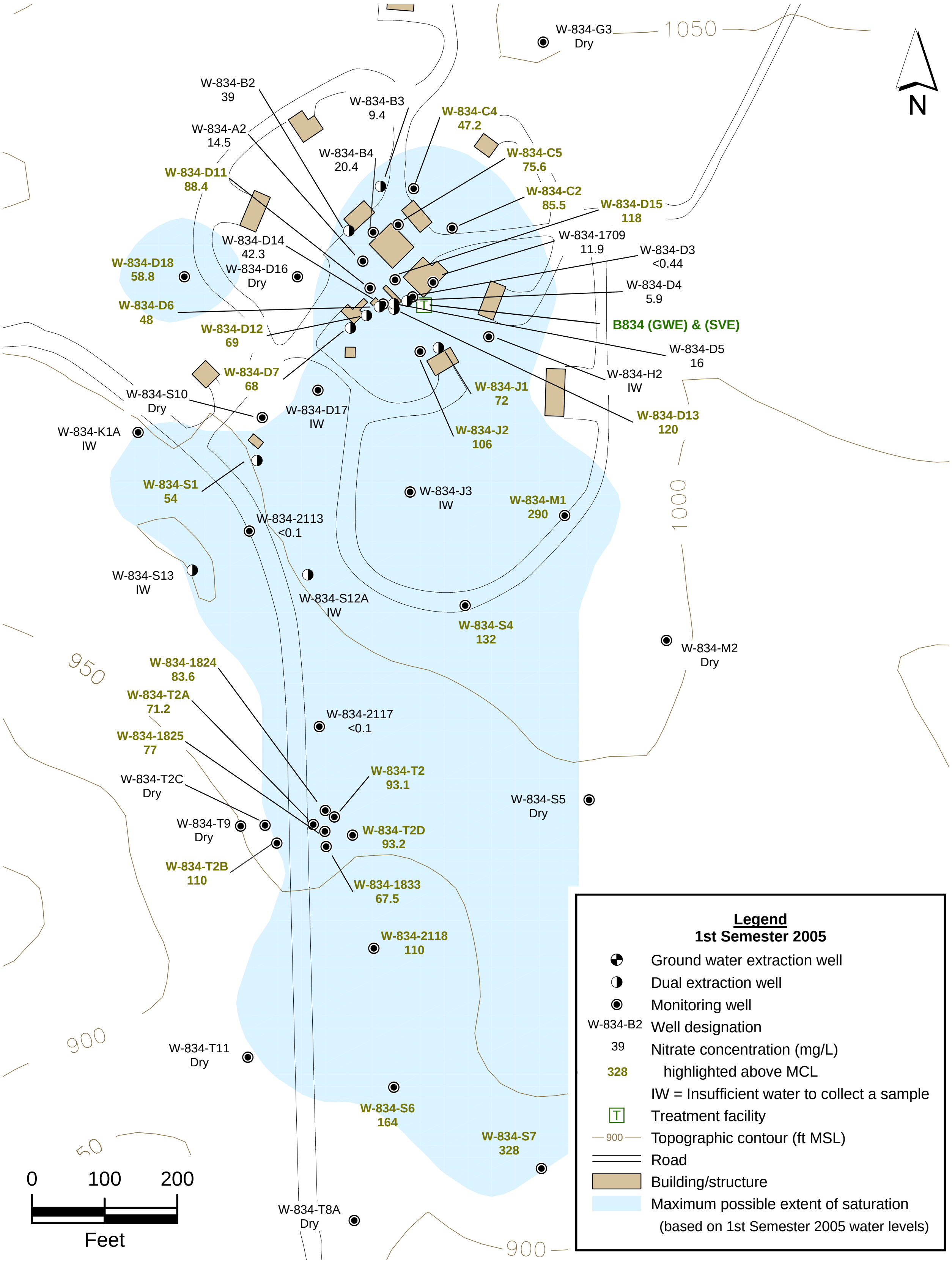


Figure 2.2-5. Building 834 OU map showing nitrate concentrations for the Tpsg perched water-bearing zone.

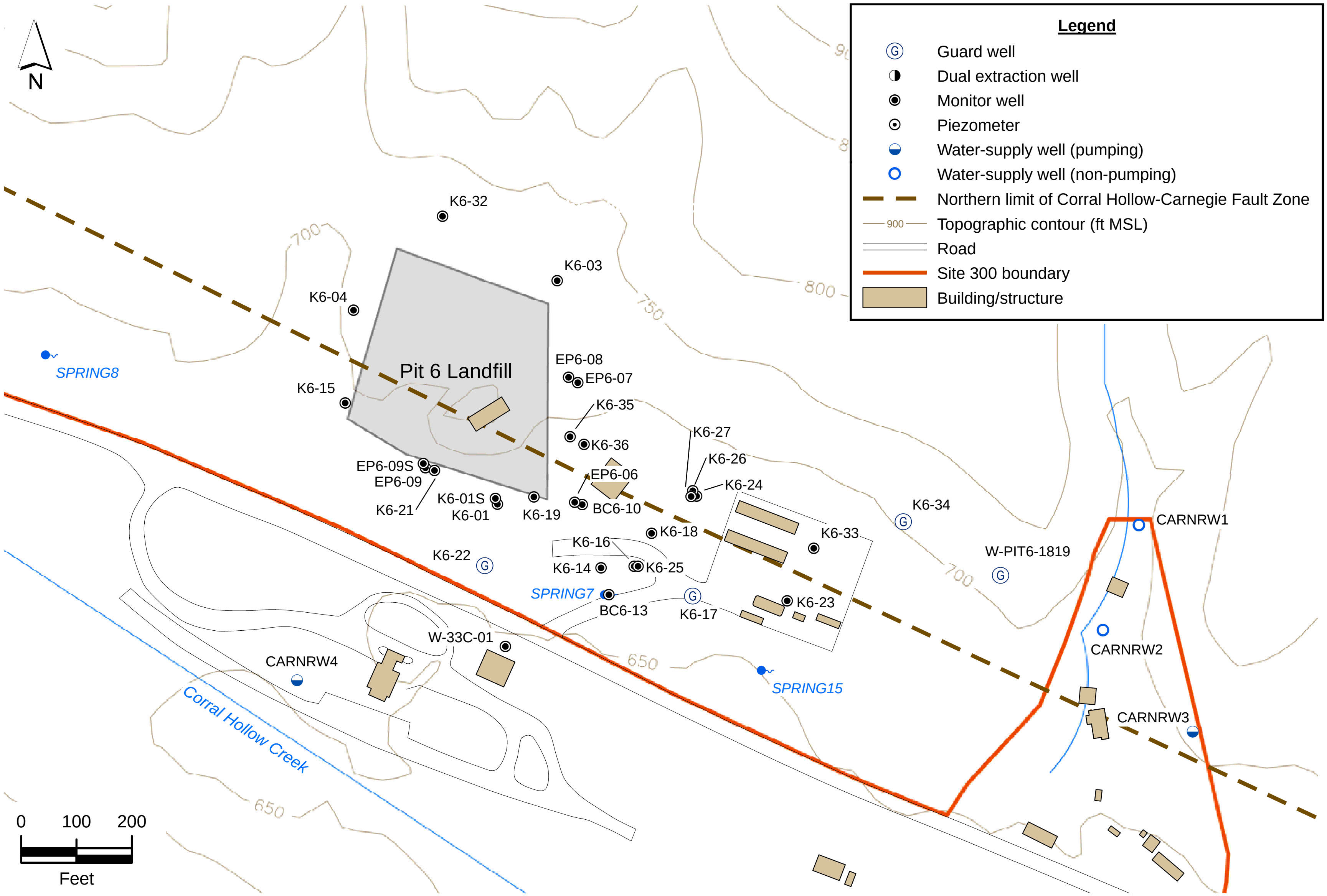


Figure 2.3-1. Pit 6 Landfill OU site map showing monitor, guard, and water-supply wells.

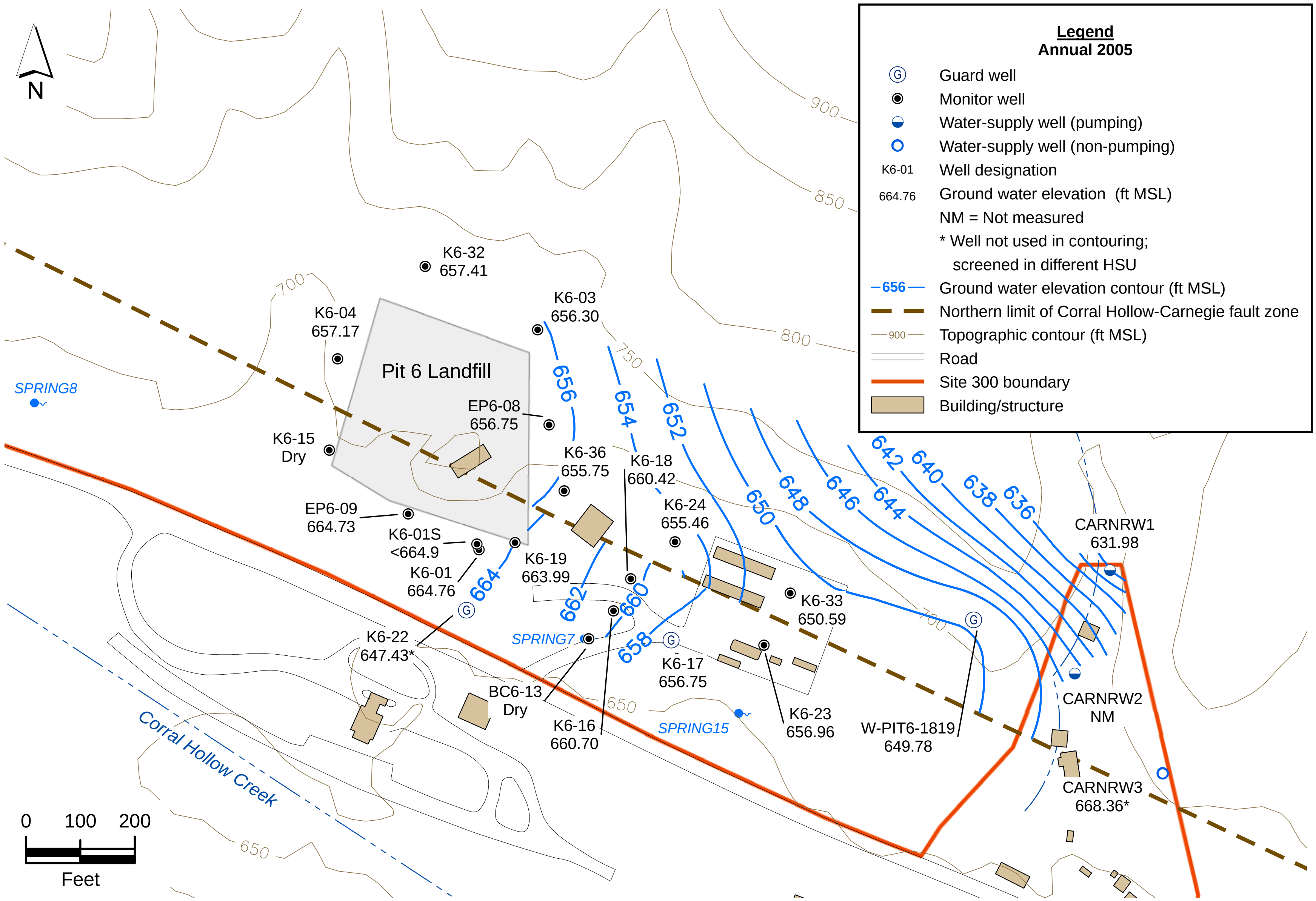


Figure 2.3-2. Pit 6 Landfill OU ground water potentiometric surface map for the Qt-Tnbs$_1$ HSU.

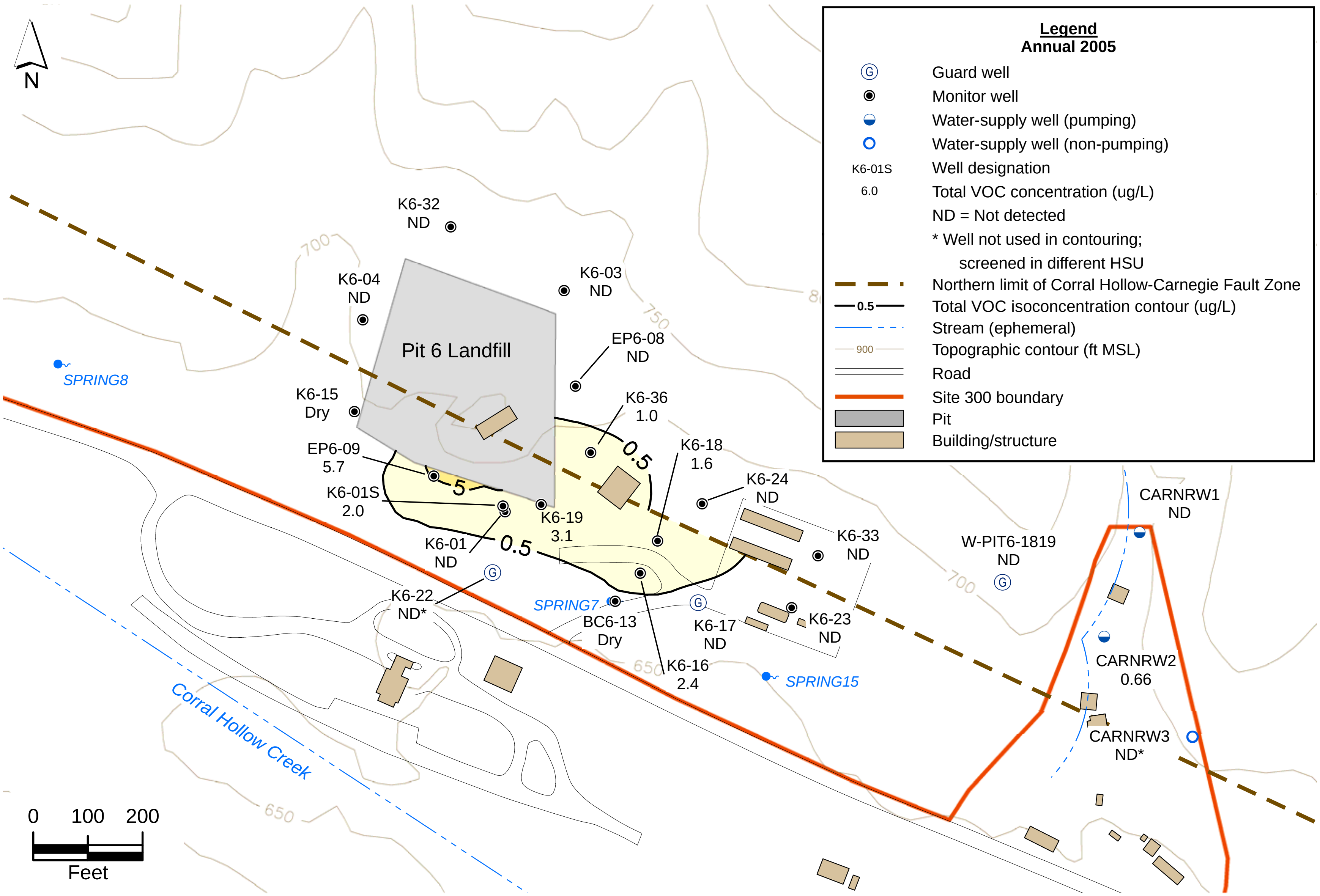


Figure 2.3-3. Pit 6 Landfill OU total VOC isoconcentration contour map for the Qt-Tnbs$_1$ HSU.

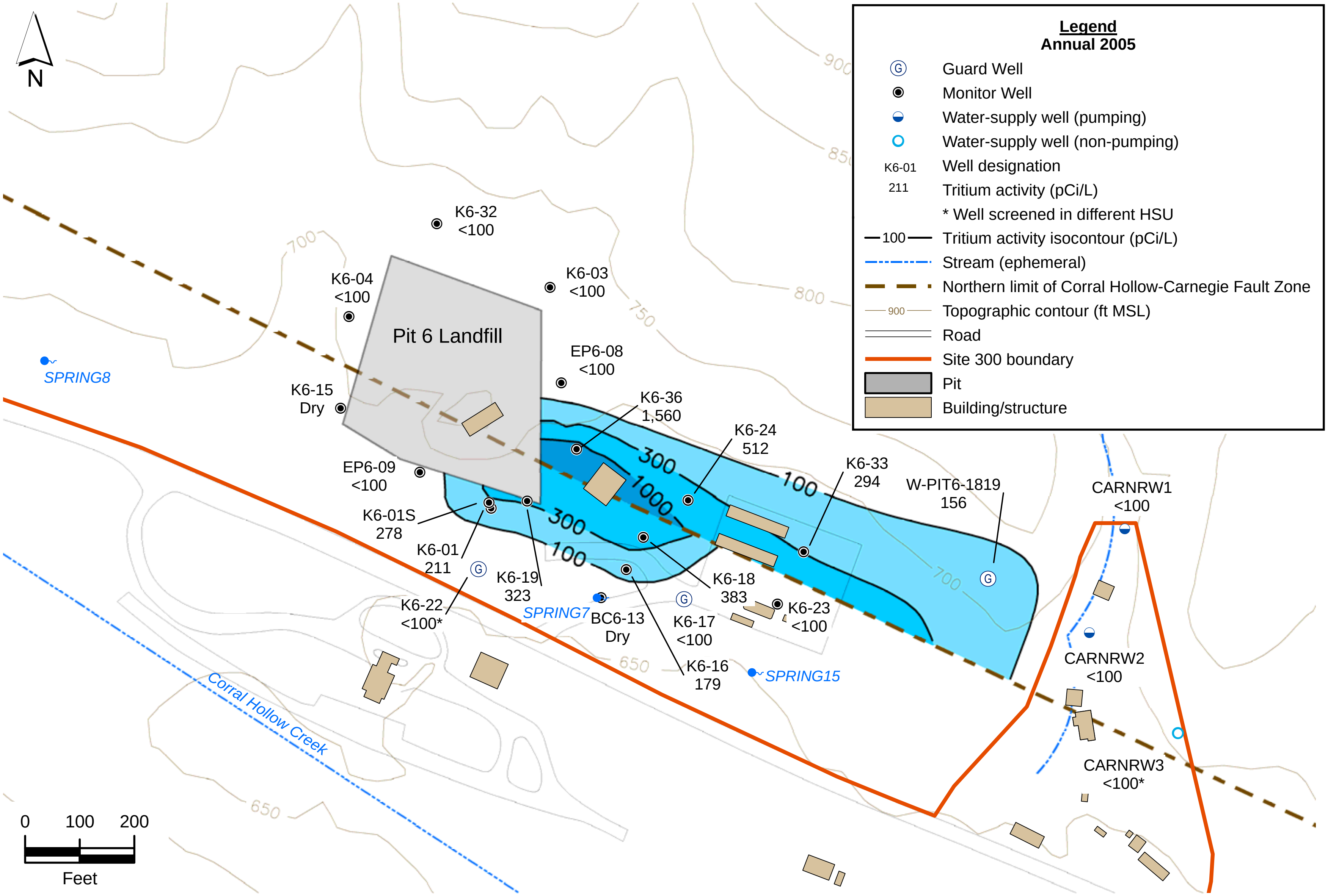


Figure 2.3-4. Pit 6 Landfill OU tritium isoconcentration contour map for the Qt-Tnbs$_1$ HSU.

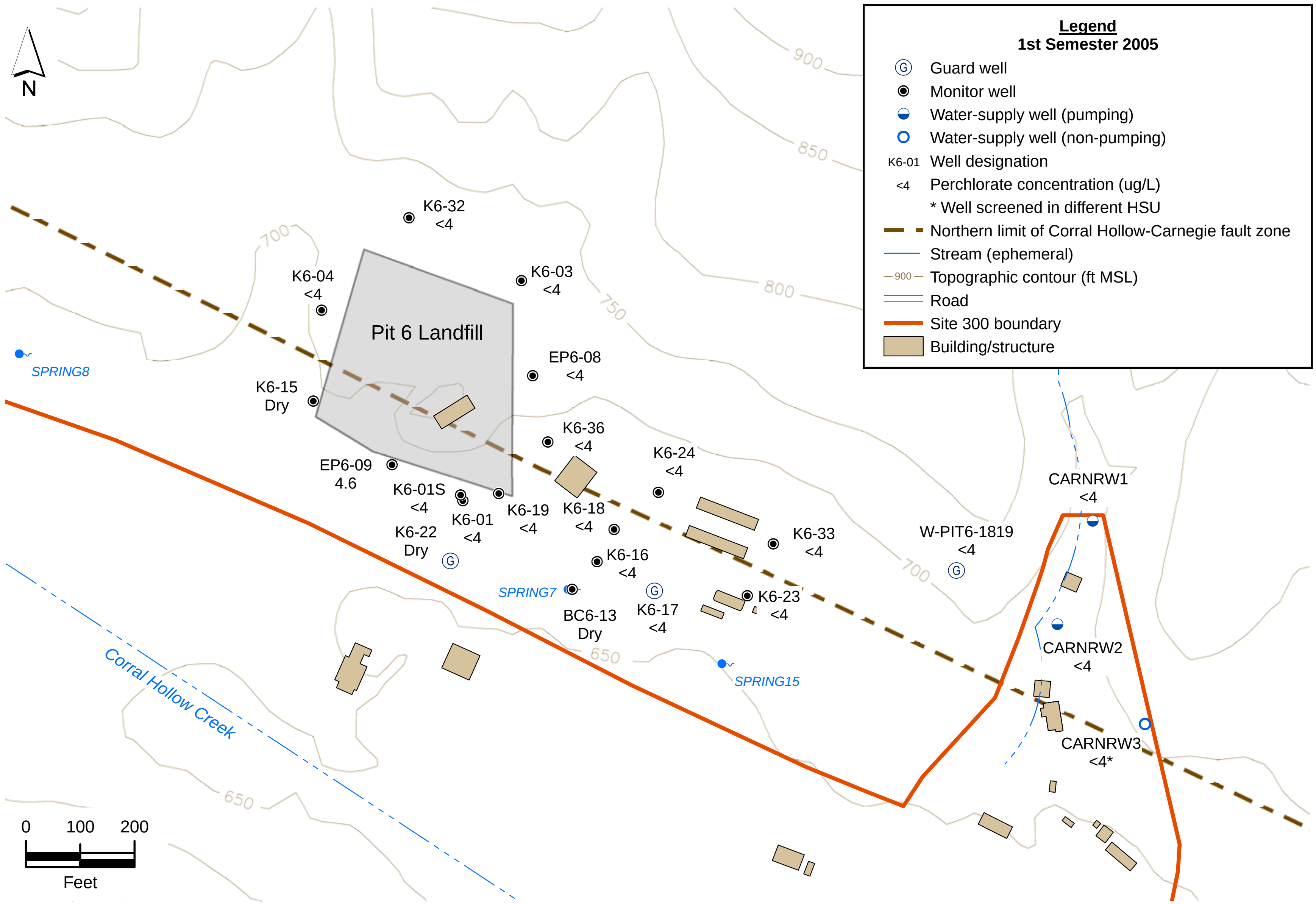


Figure 2.3-5. Pit 6 Landfill OU map showing perchlorate concentrations for the Qt-Tnbs$_1$ HSU.

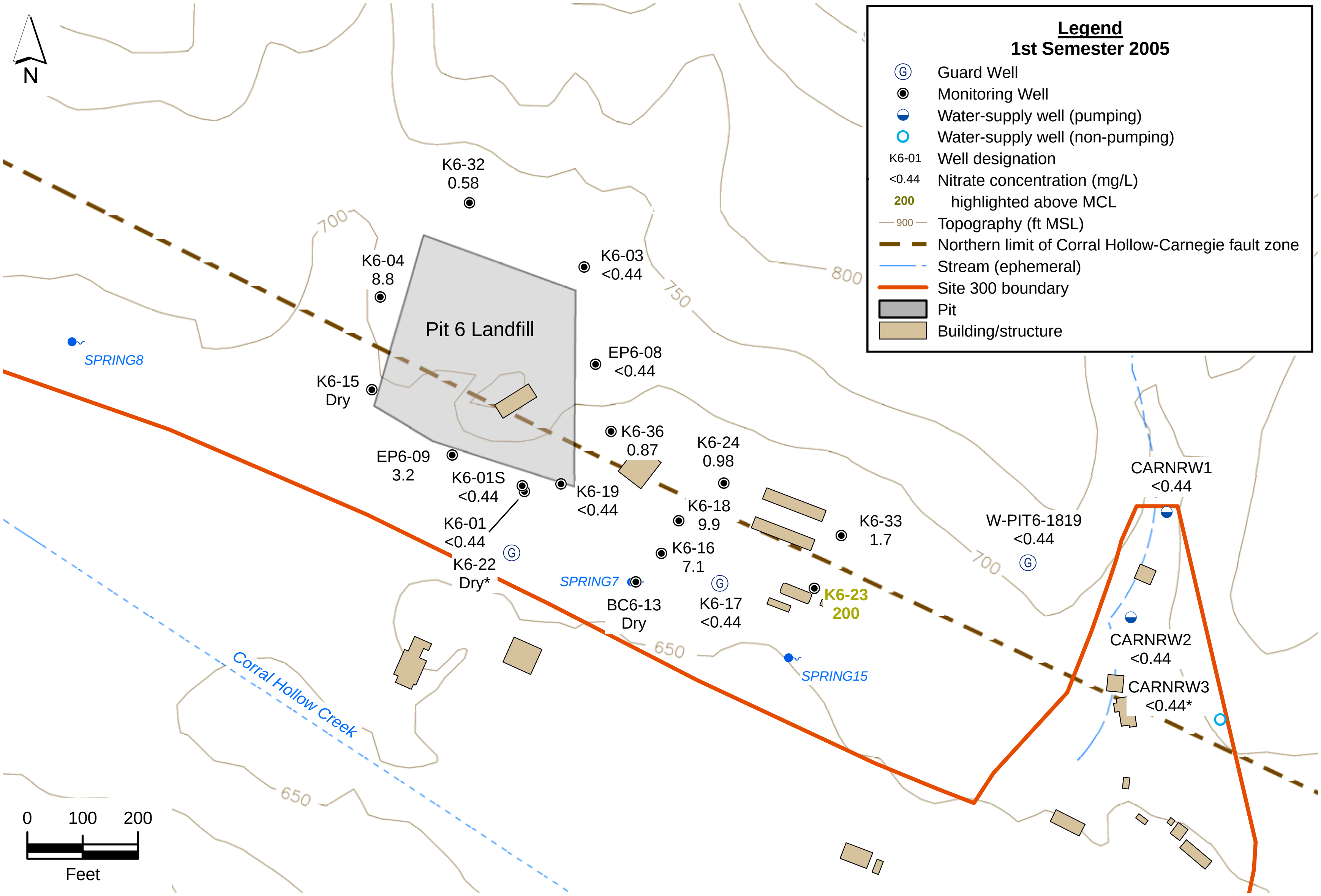


Figure 2.3-6. Pit 6 Landfill OU map showing nitrate concentrations for the Qt-Tnbs$_1$ HSU.

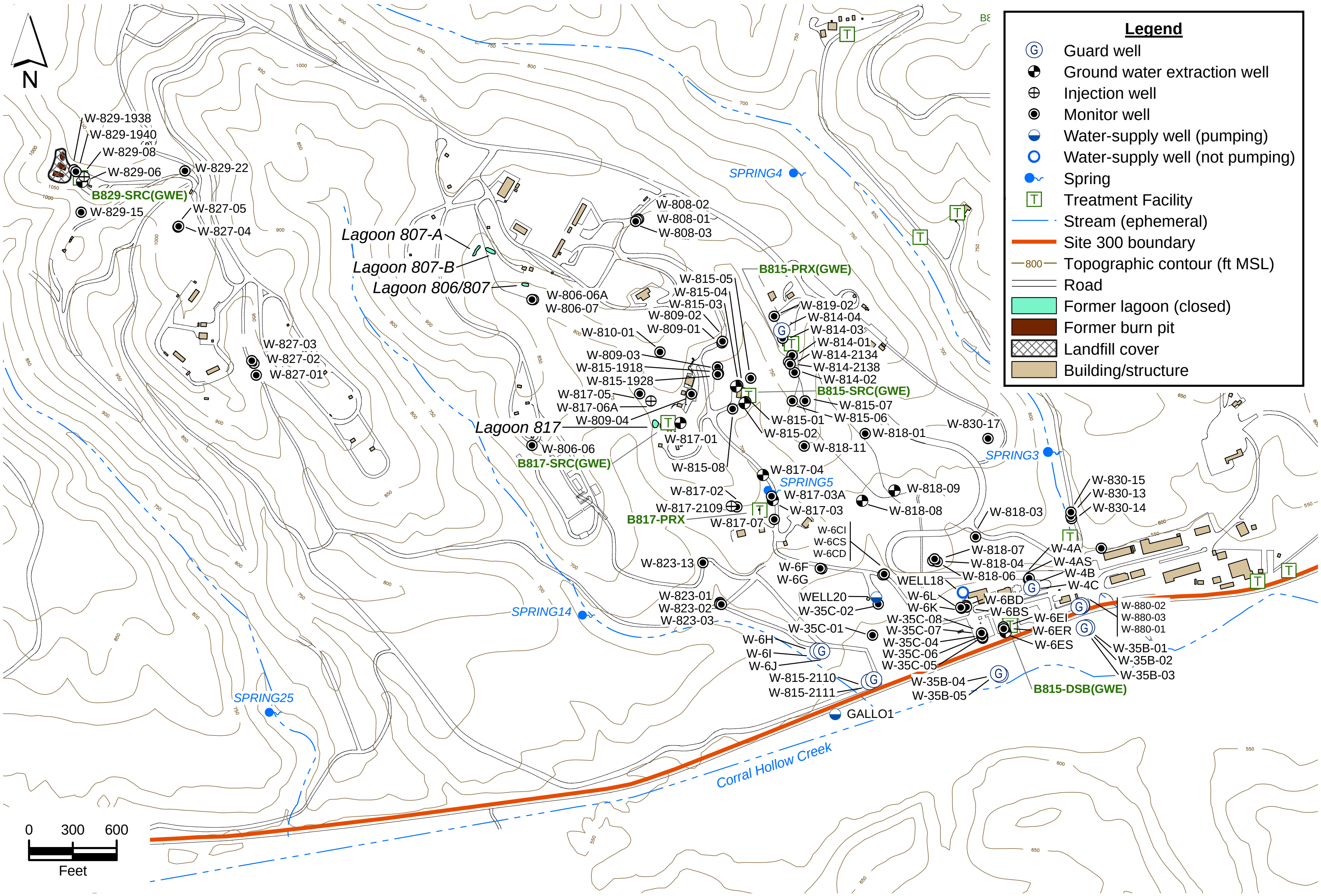


Figure 2.4-1. High Explosive Process Area OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

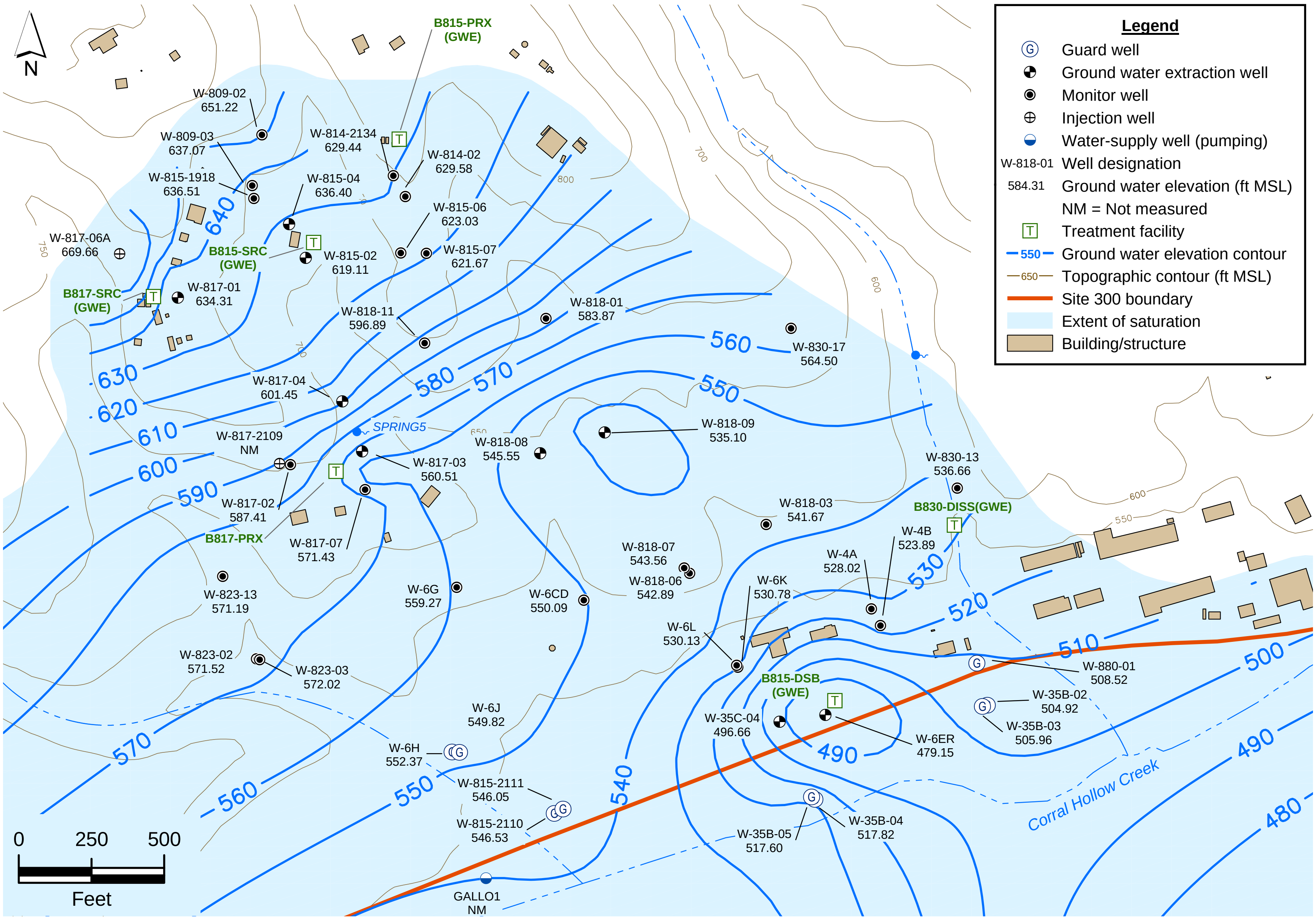


Figure 2.4-2. High Explosive Process Area OU ground water potentiometric surface map for the Tnbs$_2$ HSU.

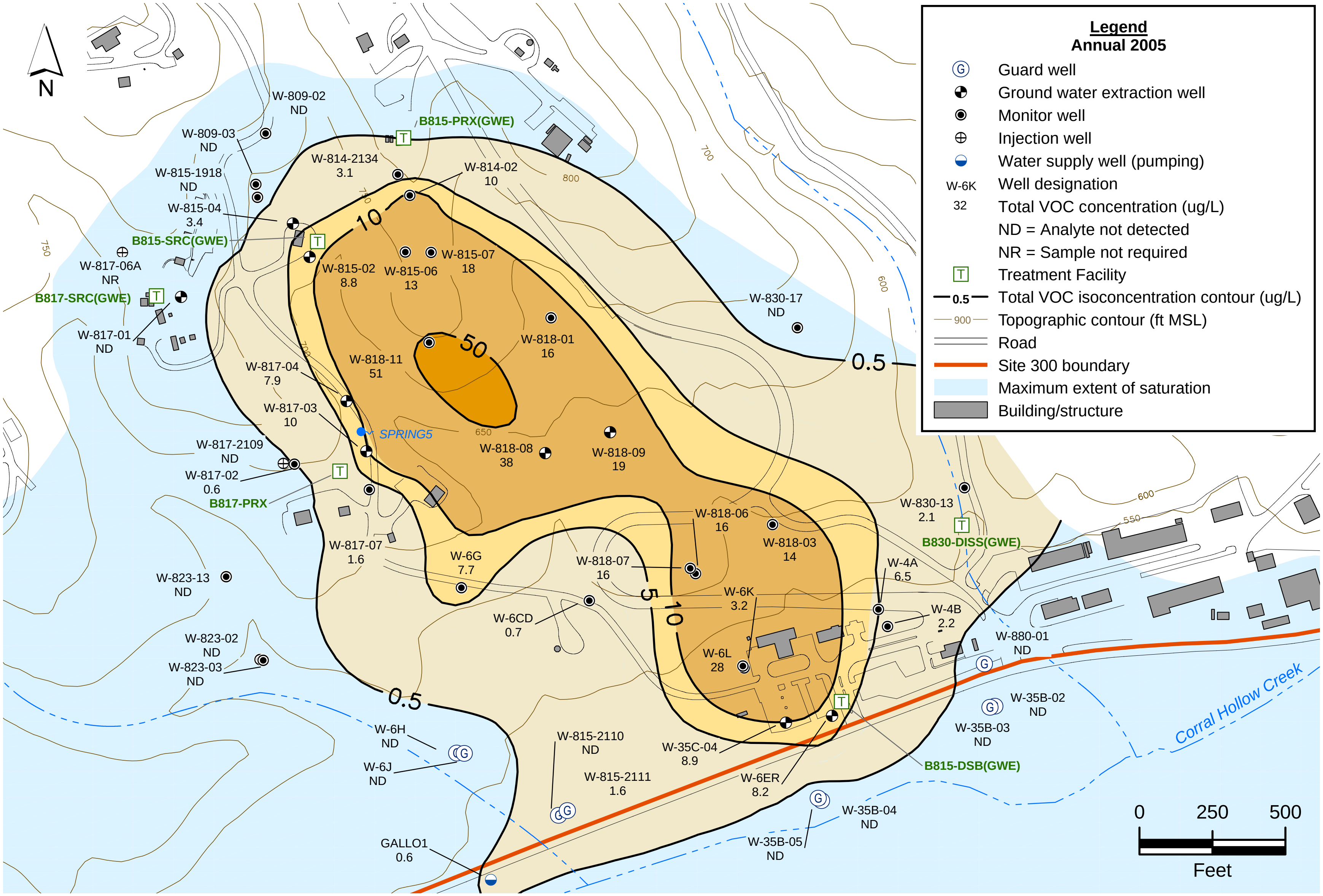


Figure 2.4-3. High Explosive Process Area Total VOC isoconcentration contour map for the Tnbs$_2$ HSU.

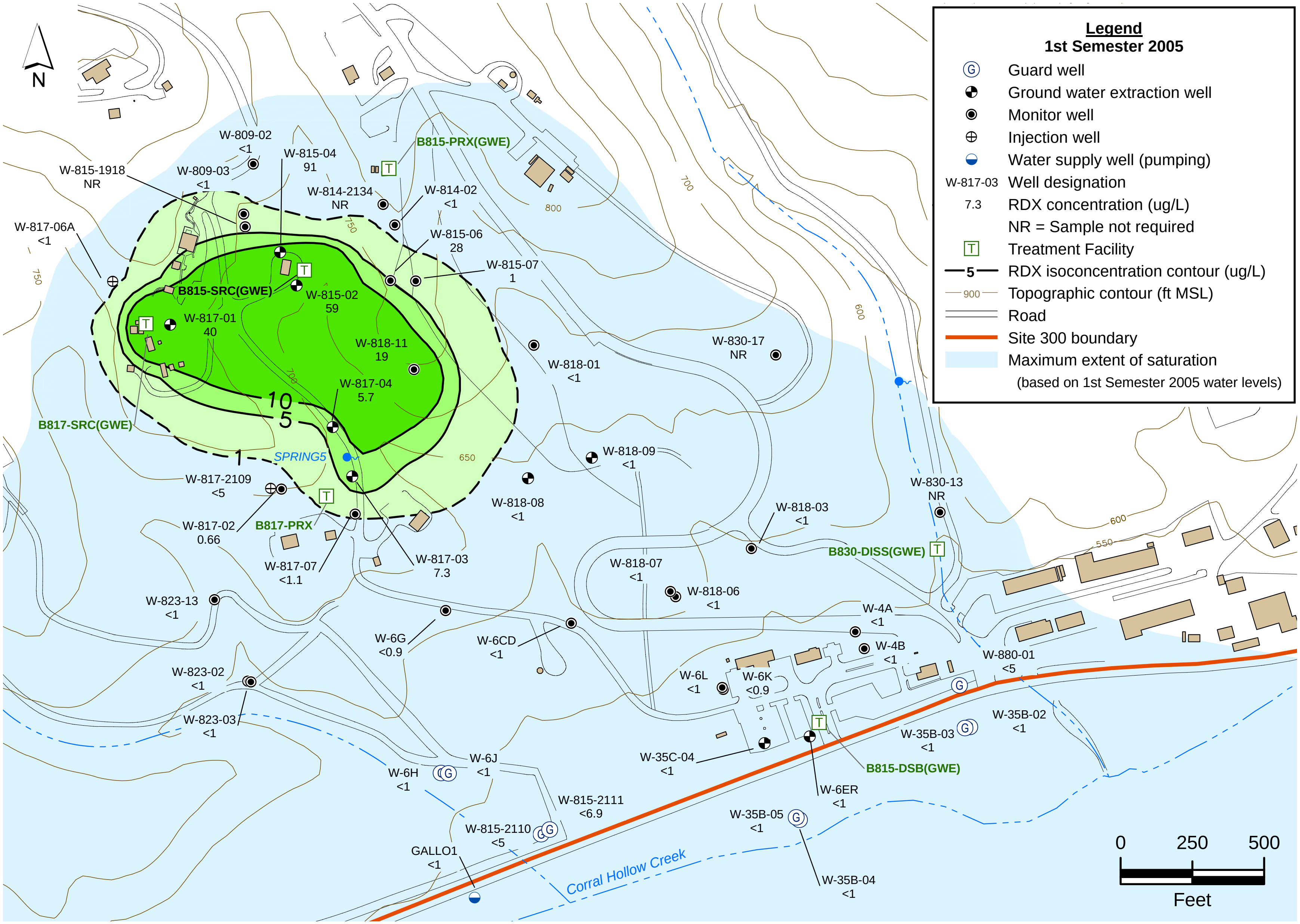


Figure 2.4-4. High Explosive Process Area RDX isoconcentration contour map for the Tnbs$_2$ HSU.

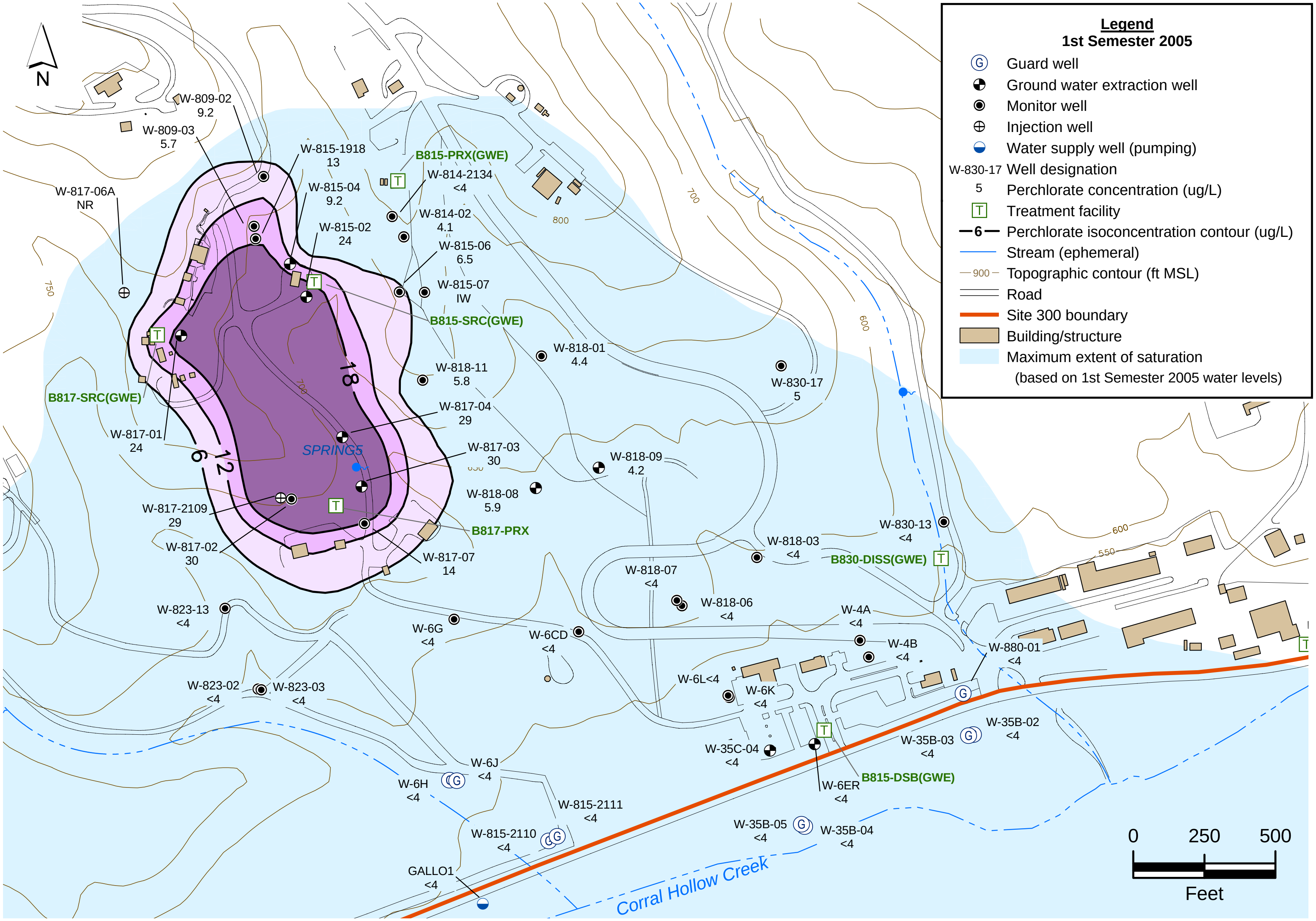


Figure 2.4-5. High Explosive Process Area perchlorate isoconcentration contour map for the Tnbs$_2$ HSU.

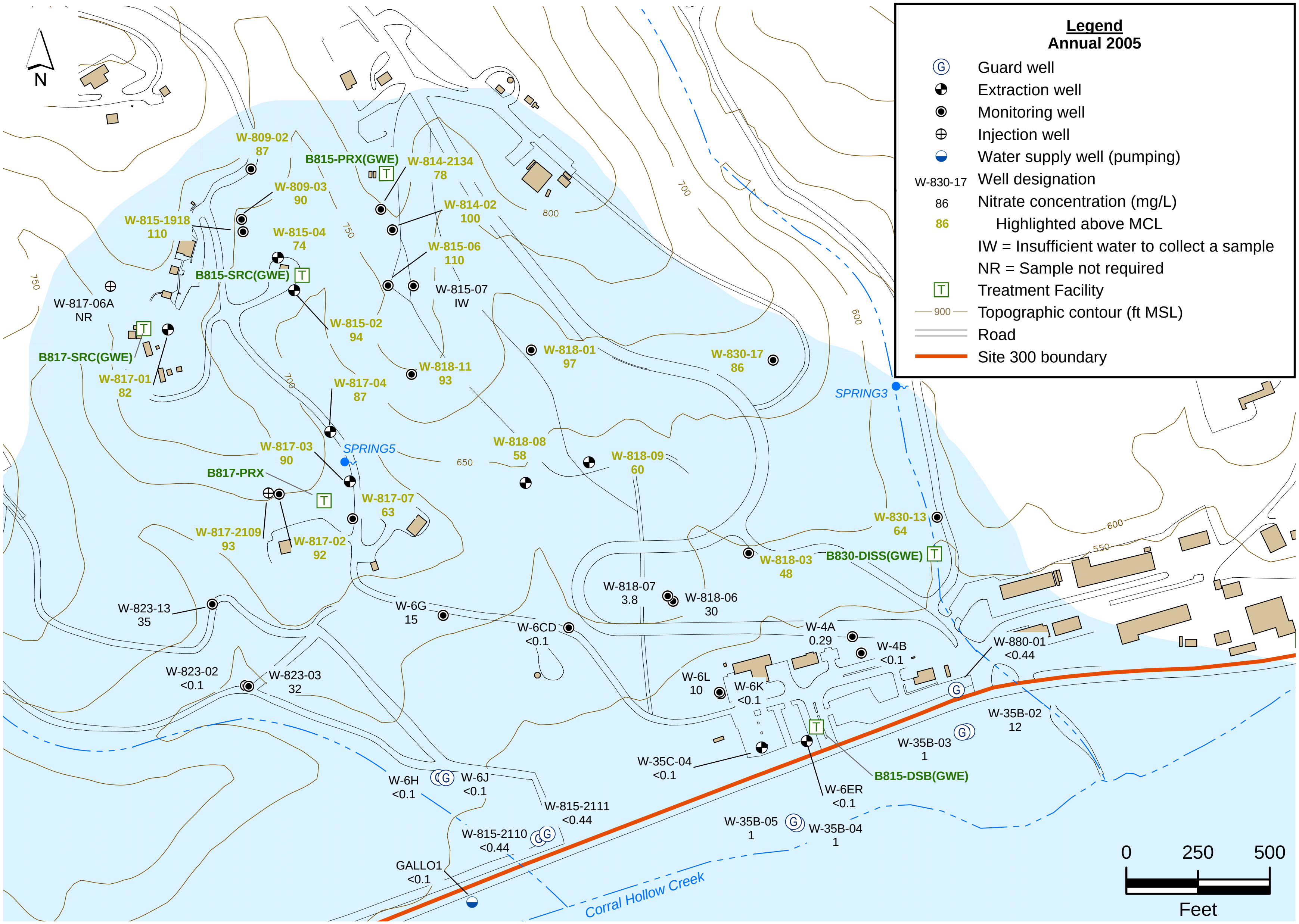


Figure 2.4-6. High Explosive Process Area map showing nitrate concentrations for the Tnbs$_2$ HSU.

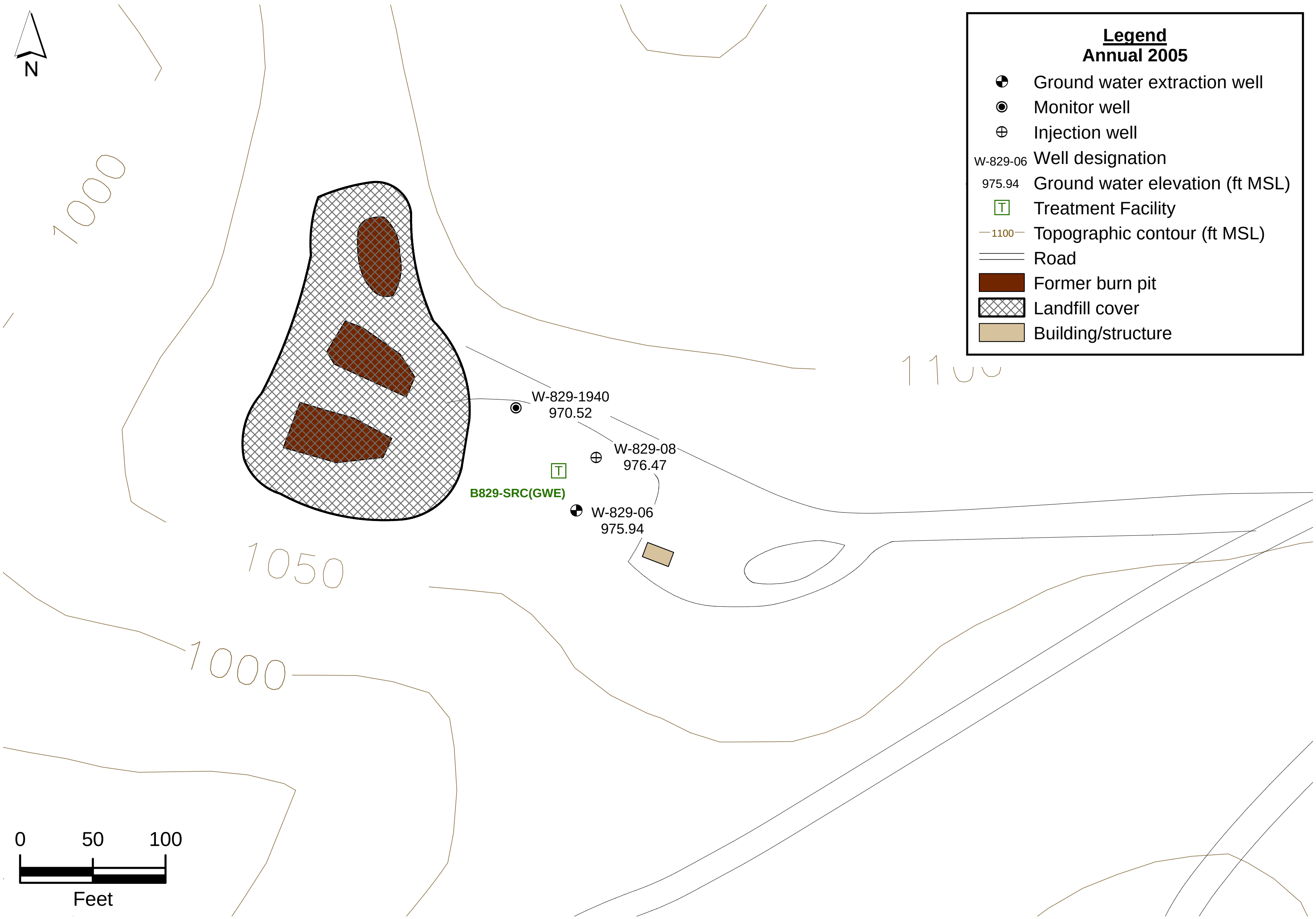


Figure 2.4-7. Building 829 burn pit map showing ground water elevations for the $Tnsc_{1b}$ HSU.

Figure 2.4-8. Building 829 burn pit map showing total VOC concentrations for the Tnsc$_{1b}$ HSU.

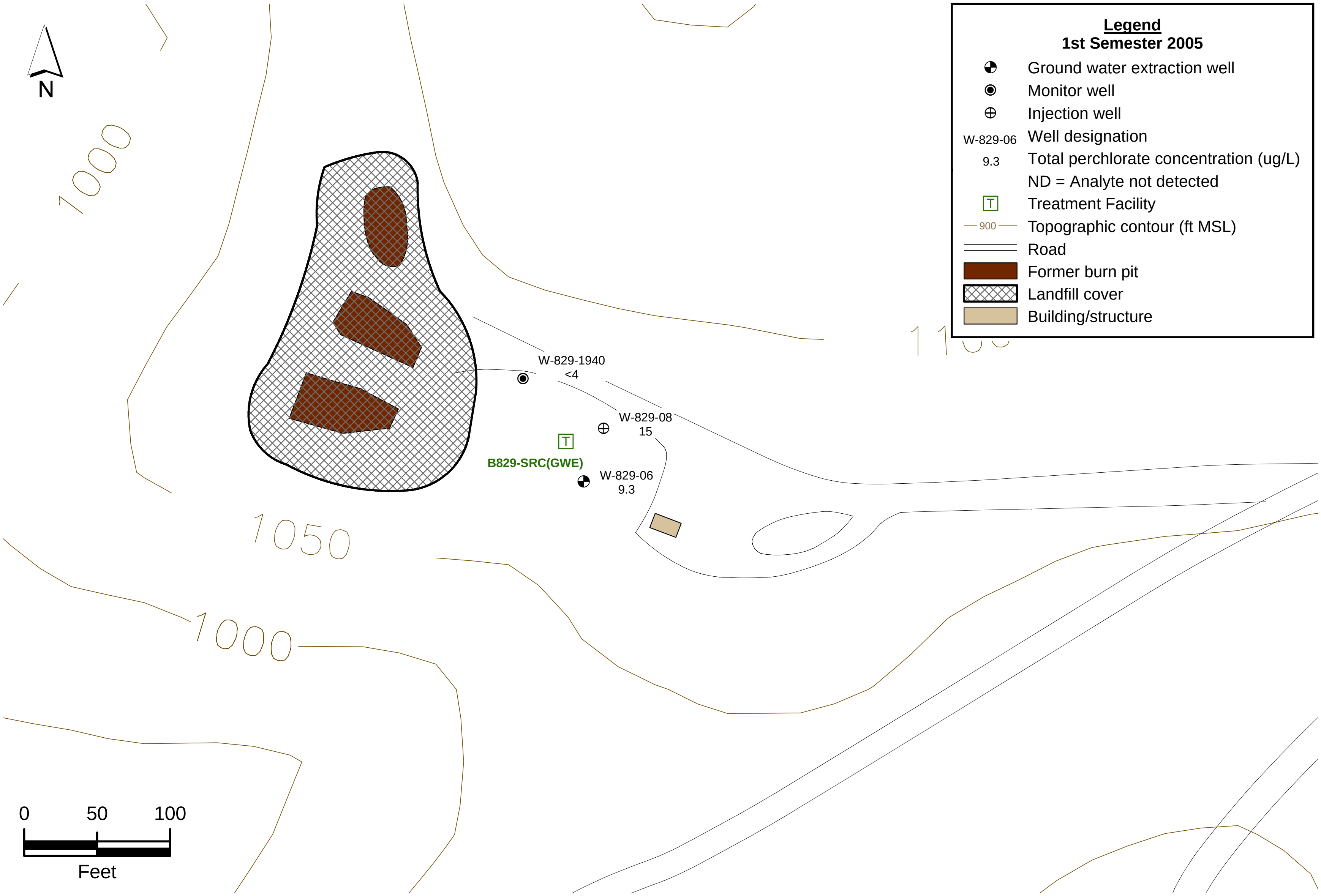


Figure 2.4-9. Building 829 burn pit map showing perchlorate concentrations for the $Tnsc_{1b}$ HSU.

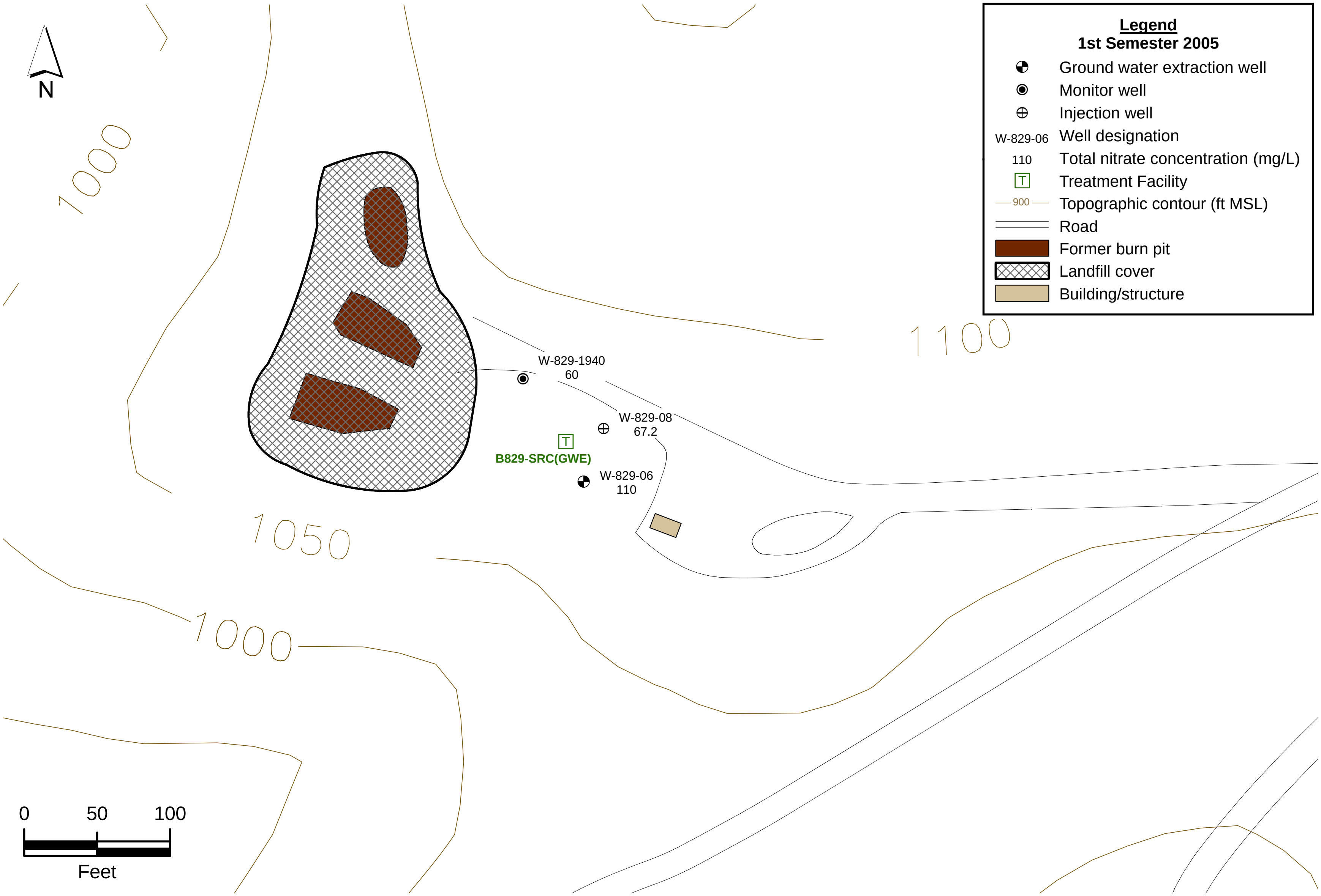


Figure 2.4-10. Building 829 burn pit map showing nitrate concentrations for the Tnsc$_{1b}$ HSU.

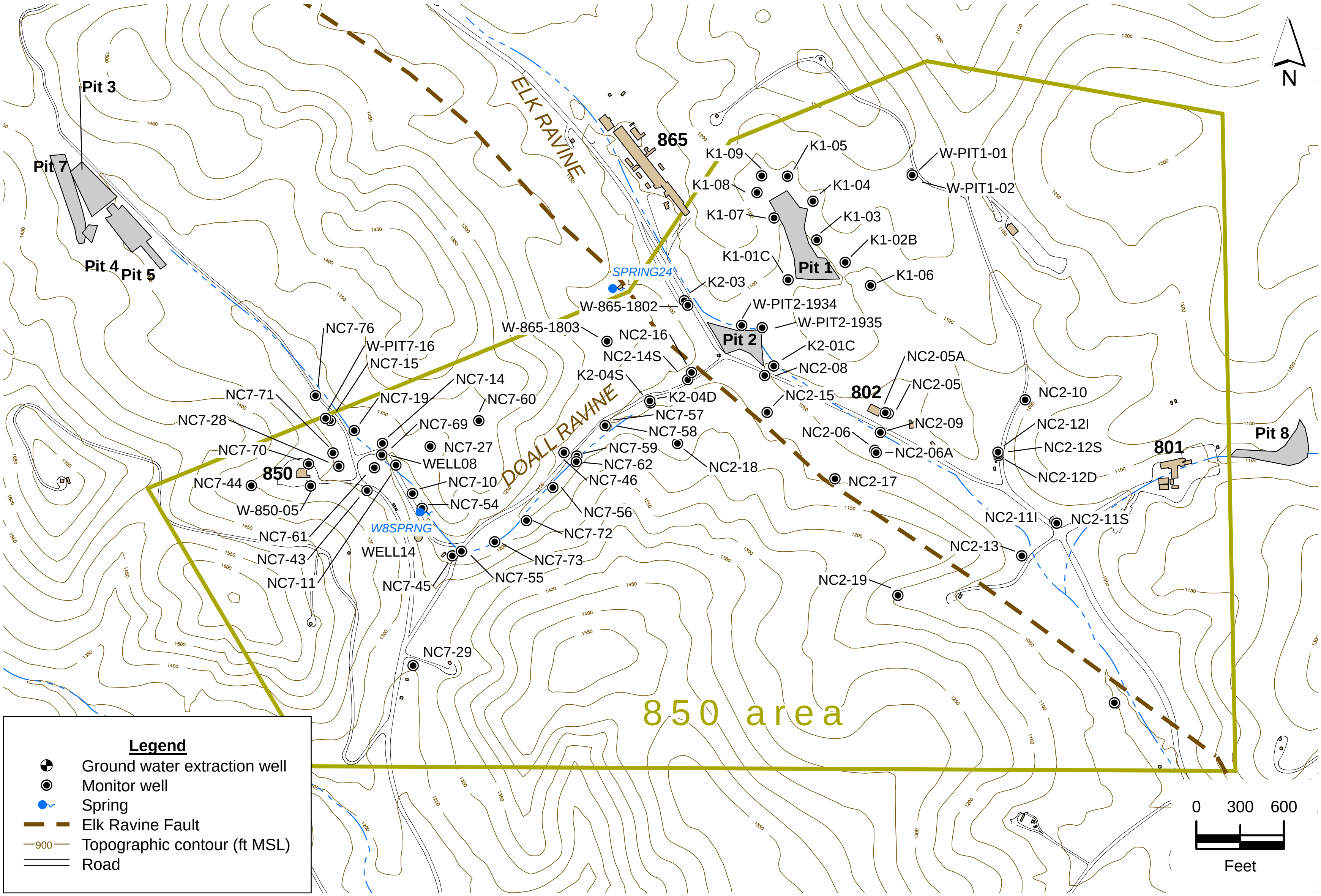


Figure 2.5-1. Building 850 OU site map showing monitor wells and springs.

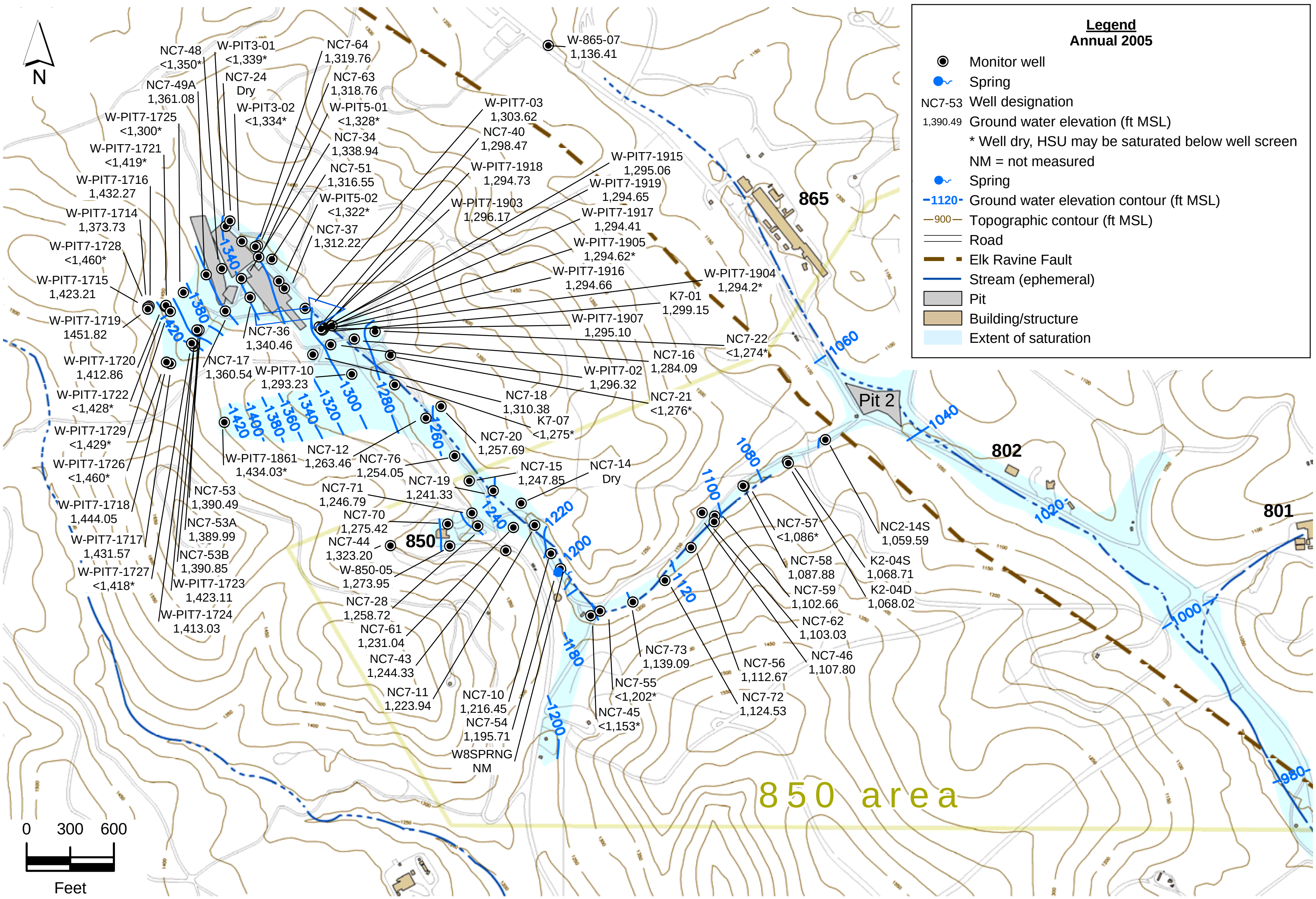


Figure 2.5-2. Building 850 OU ground water potentiometric surface map for the Qal/WBR HSU.

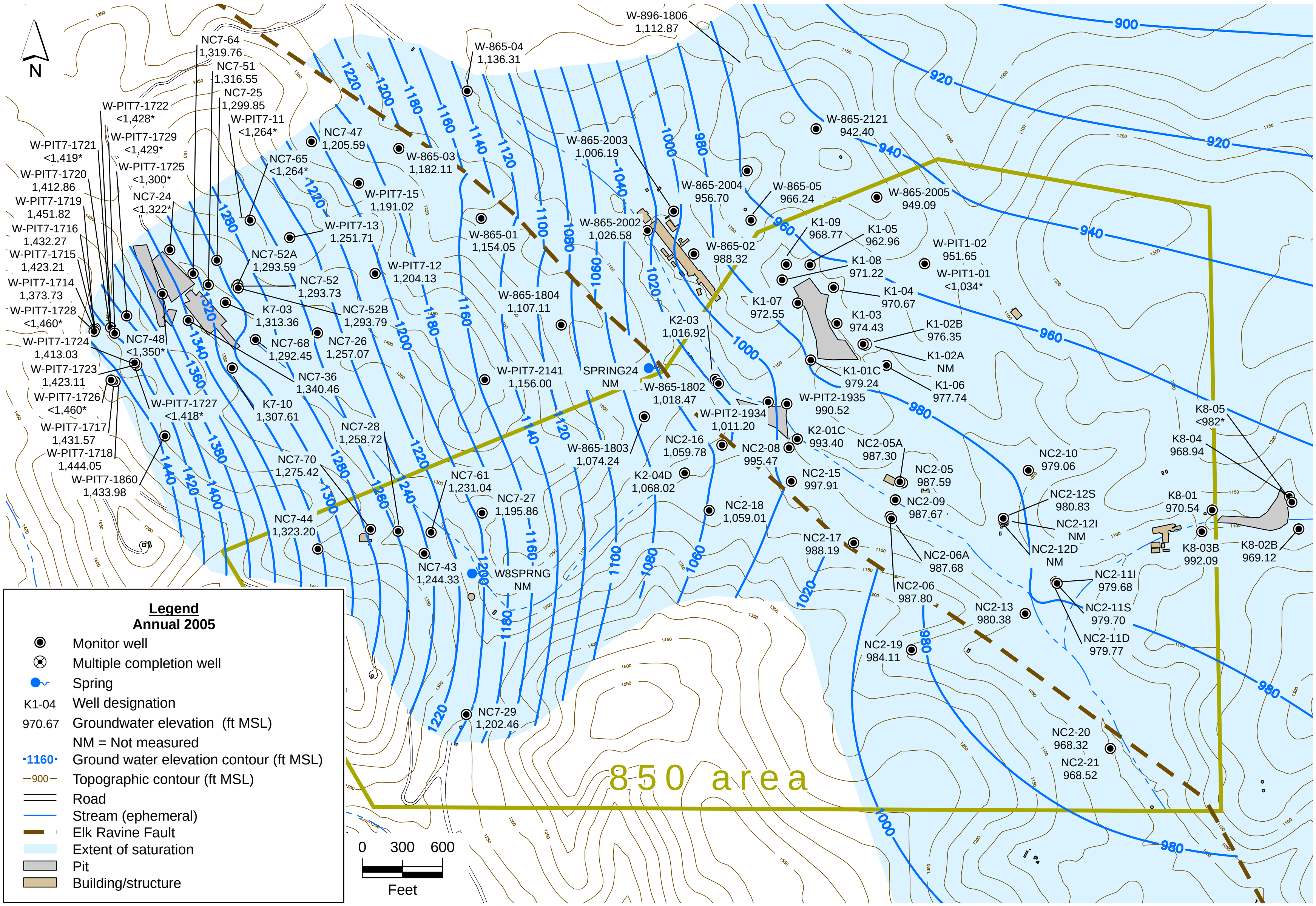


Figure 2.5-3. Building 850 OU ground water potentiometric surface map for the $Tnbs_1/Tnbs_0$ HSU.

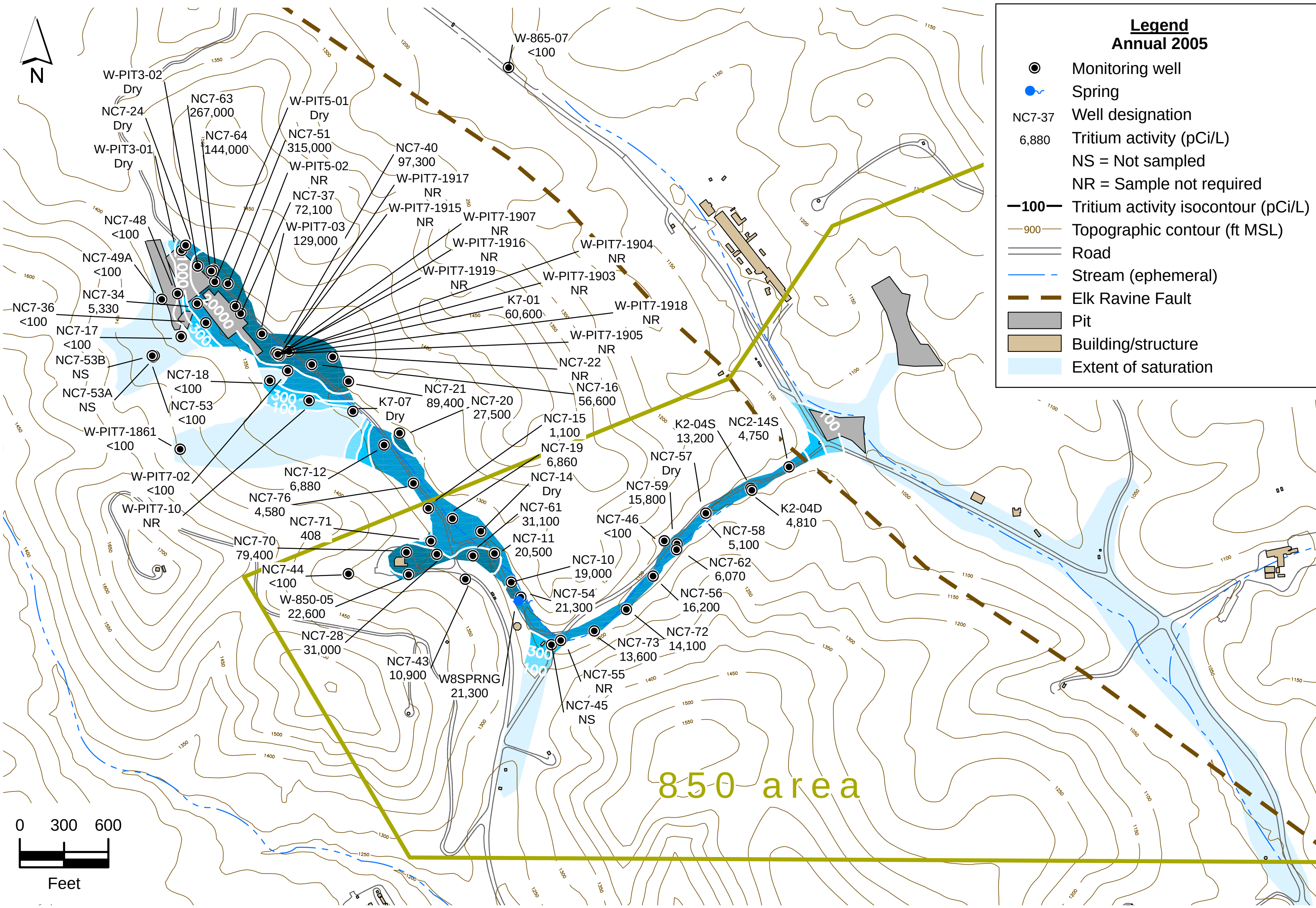


Figure 2.5-4. Building 850 OU tritium isoconcentration contour map for the Qal/WBR HSU.

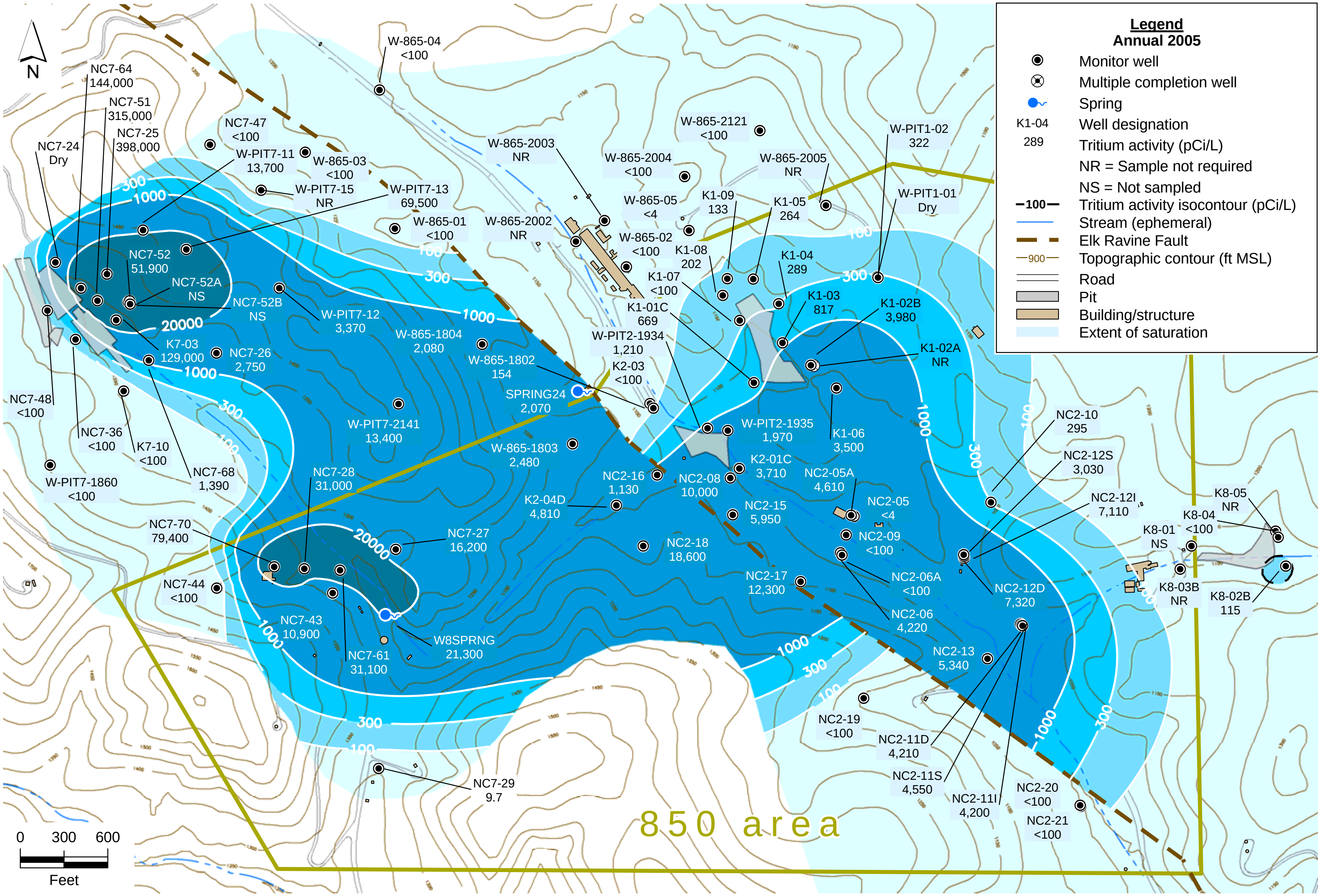


Figure 2.5-5. Building 850 OU tritium isoconcentration contour map for the $Tnbs_1/Tnbs_0$ HSU.

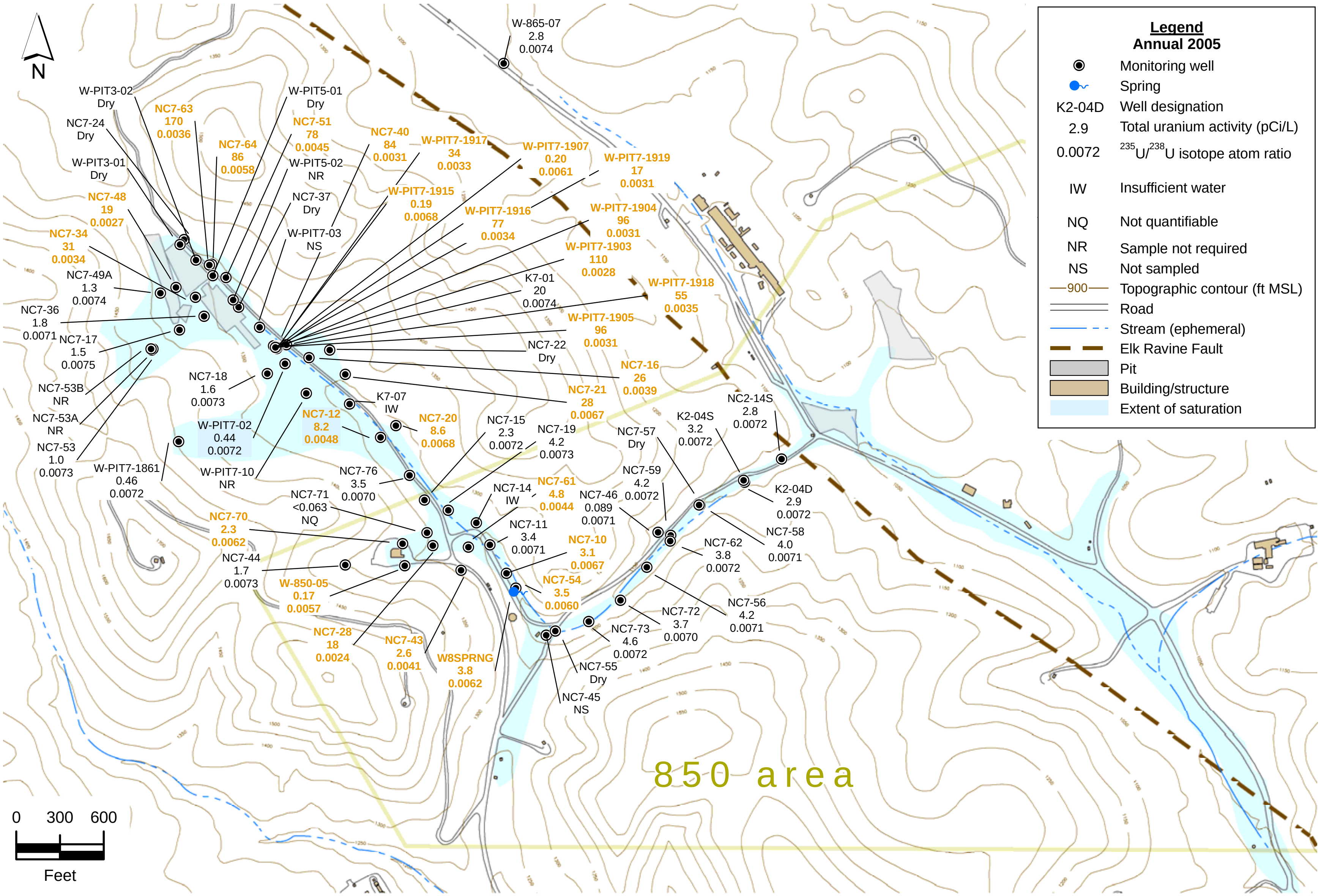


Figure 2.5-6. Building 850 OU map showing ground water uranium activities and $^{235}U/^{238}U$ isotope atom ratios for the Qal/WBR HSU.

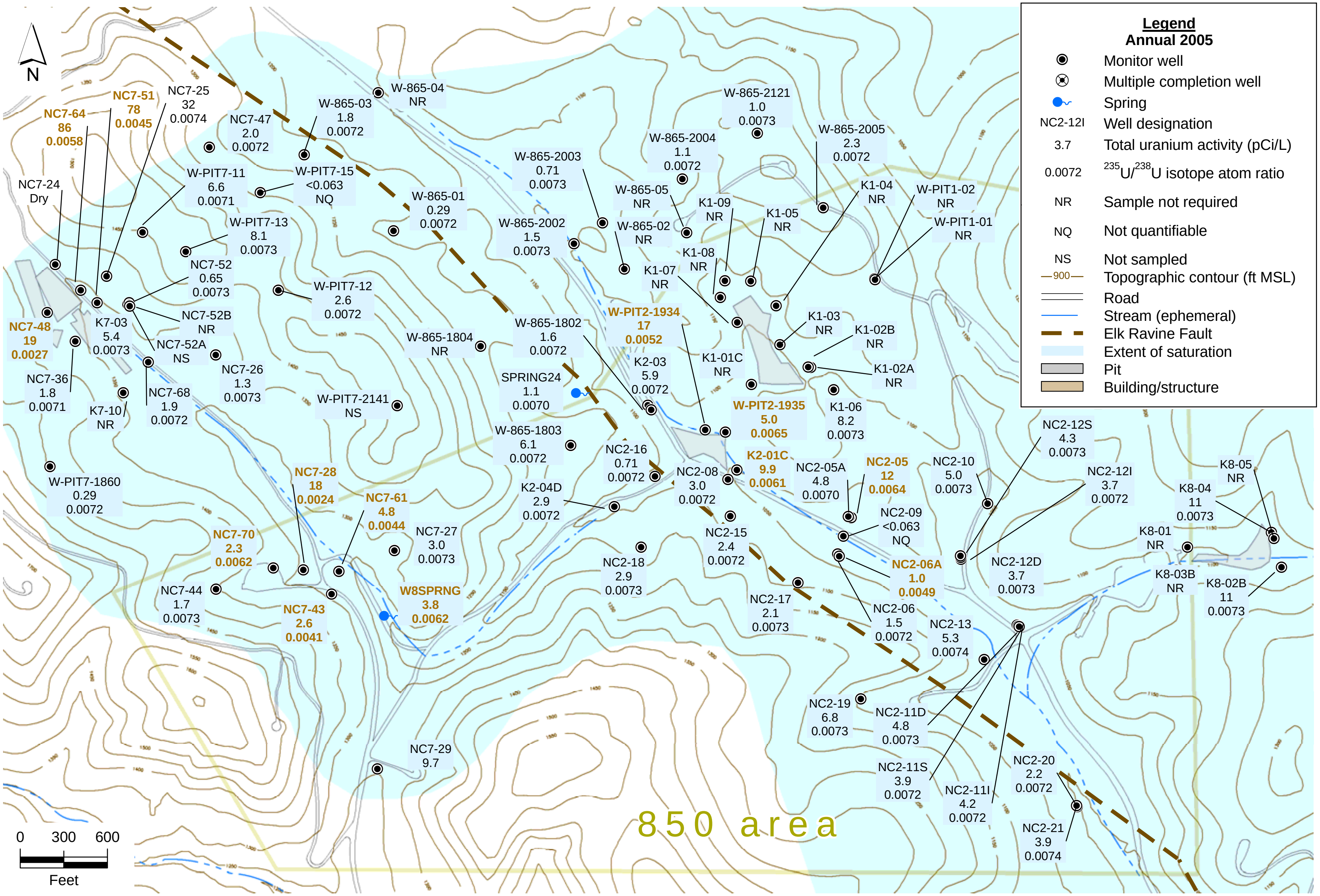


Figure 2.5-7. Building 850 OU map showing ground water uranium activities and $^{235}U/^{238}U$ isotope atom ratios for the $Tnbs_1/Tnbs_0$ HSU.

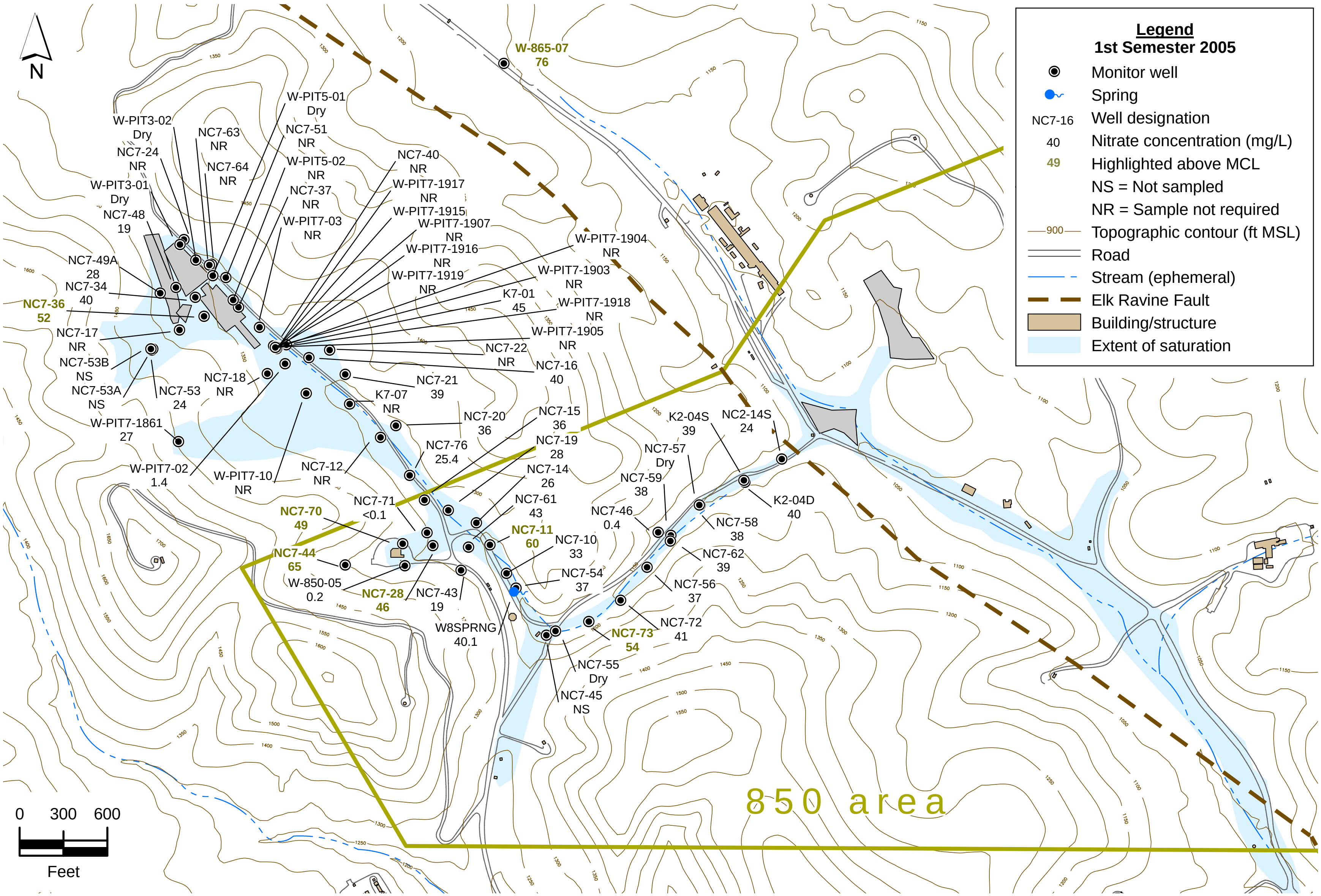


Figure 2.5-8. Building 850 OU map showing nitrate concentrations for the Qal/WBR HSU.

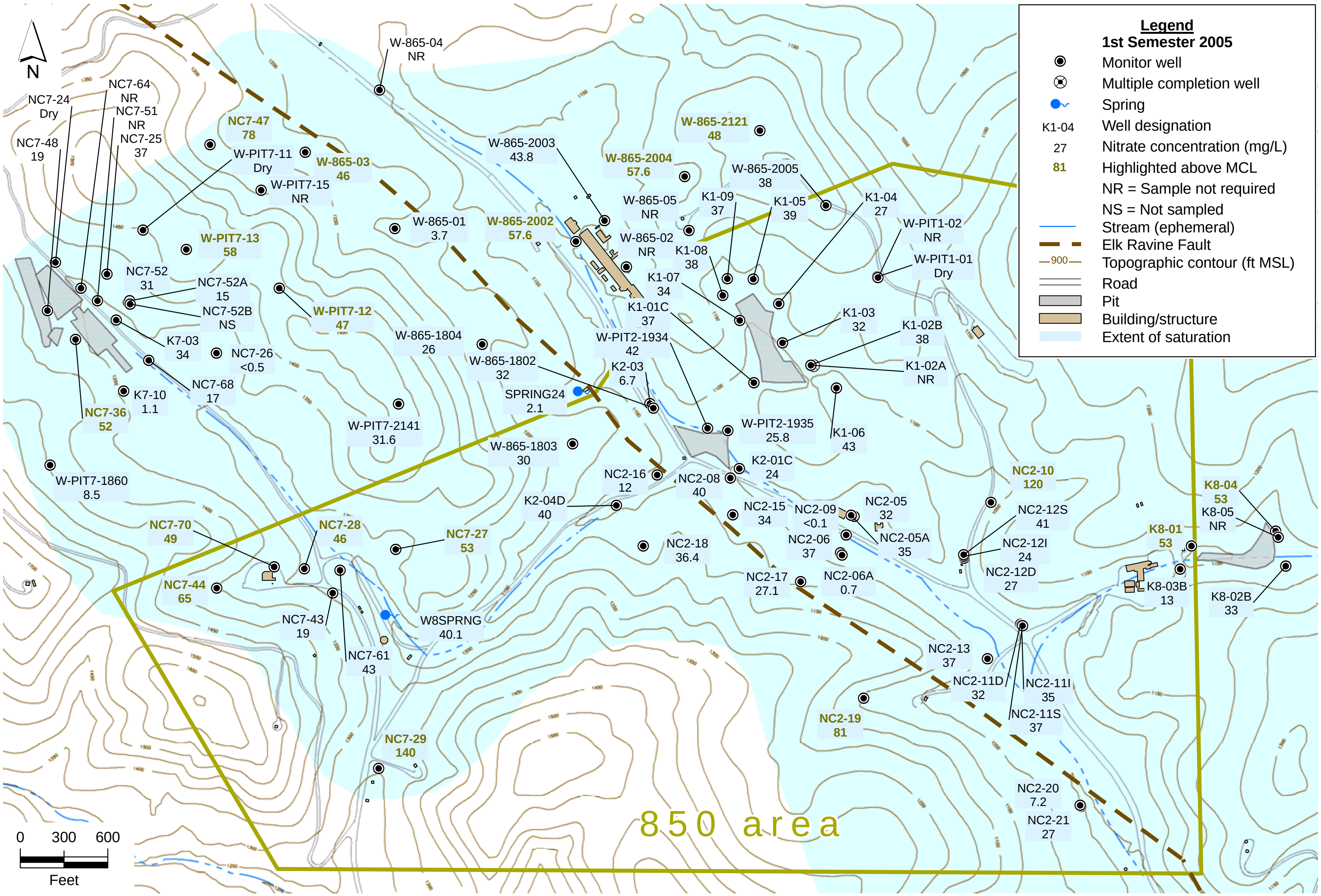


Figure 2.5-9. Building 850 OU map showing nitrate concentrations for the $Tnbs_1/Tnbs_0$ HSU.

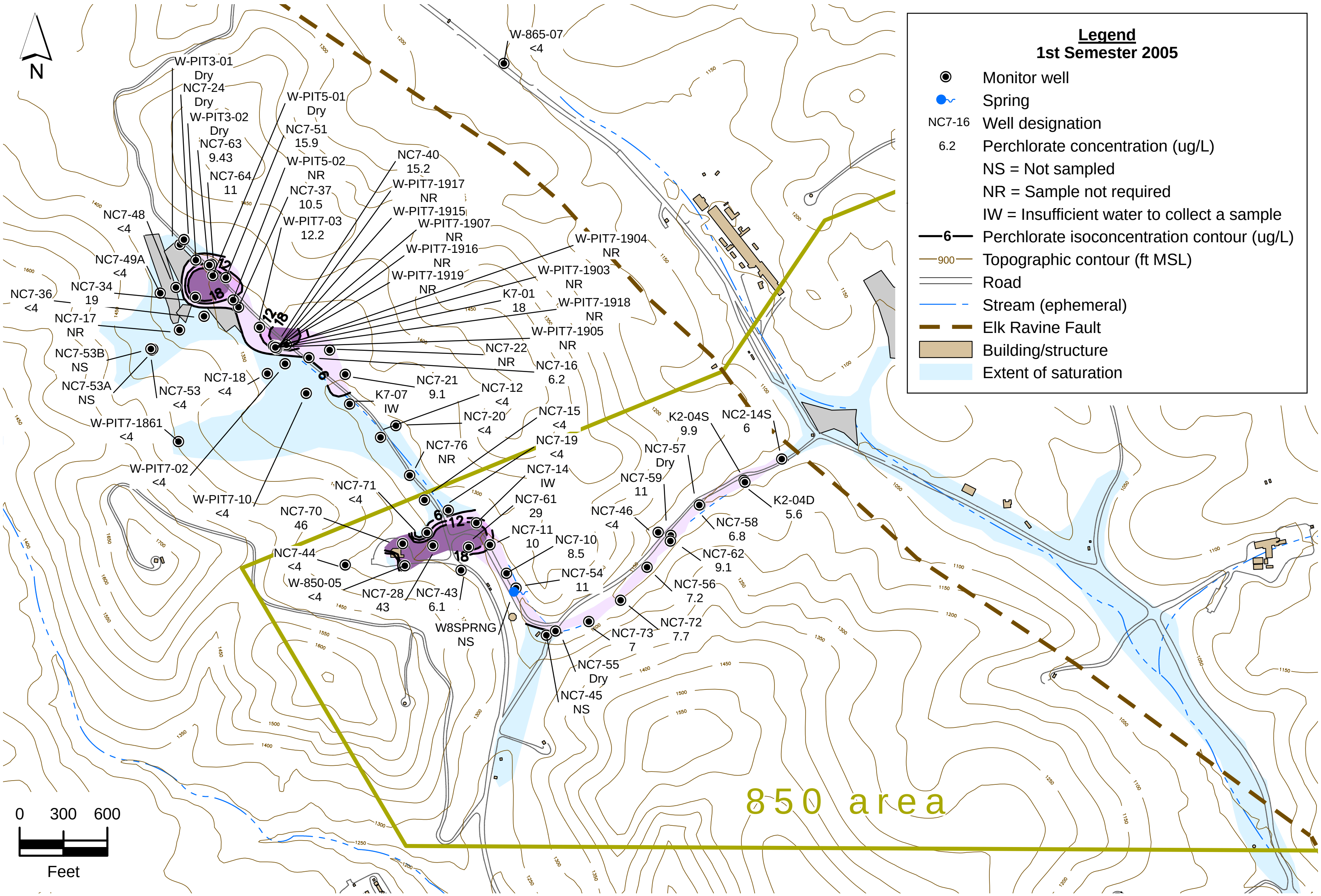


Figure 2.5-10. Building 850 OU perchlorate isoconcentration contour map for the Qal/WBR HSU.

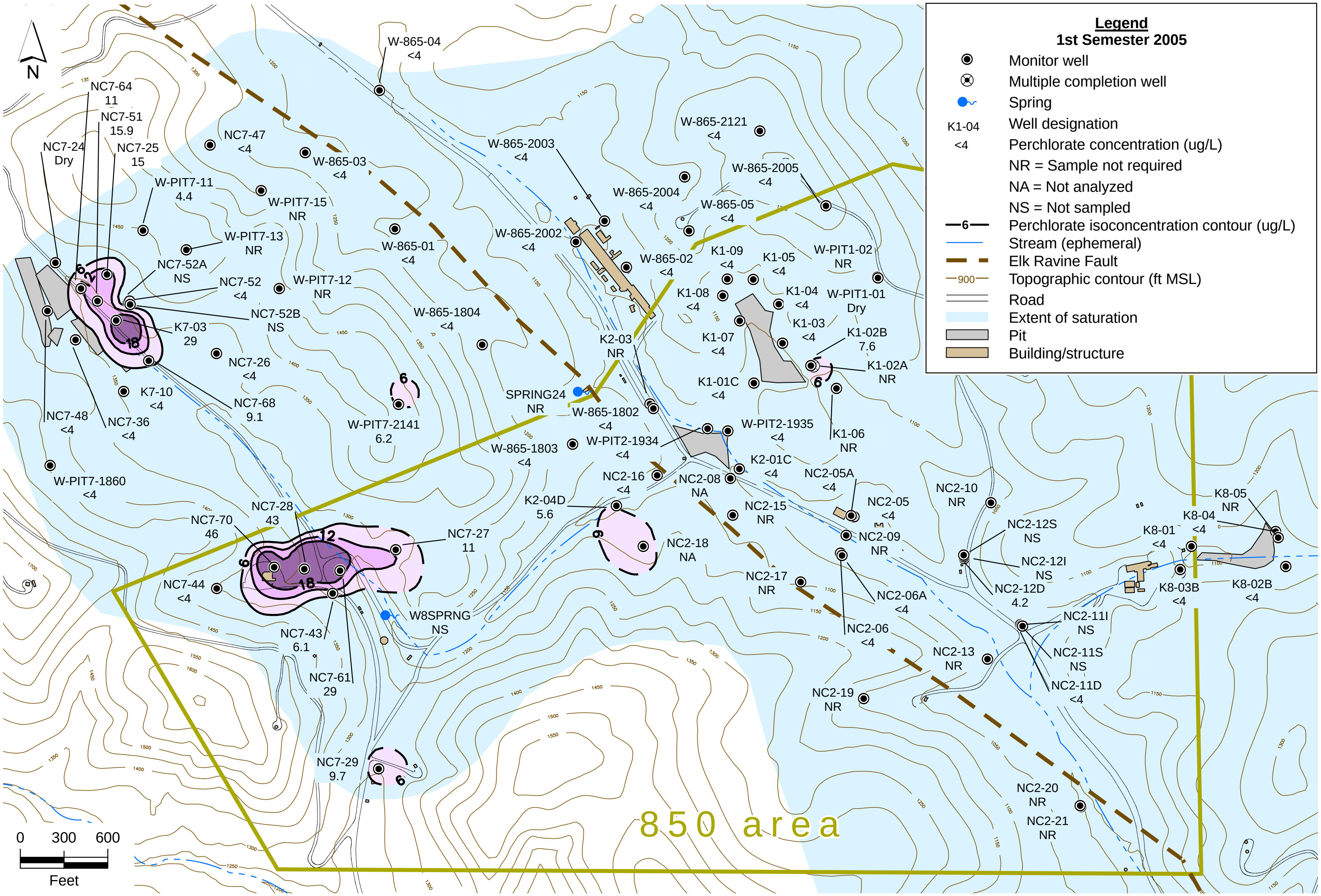


Figure 2.5-11. Building 850 OU perchlorate isoconcentration contour map for the $Tnbs_1/Tnbs_0$ HSU.

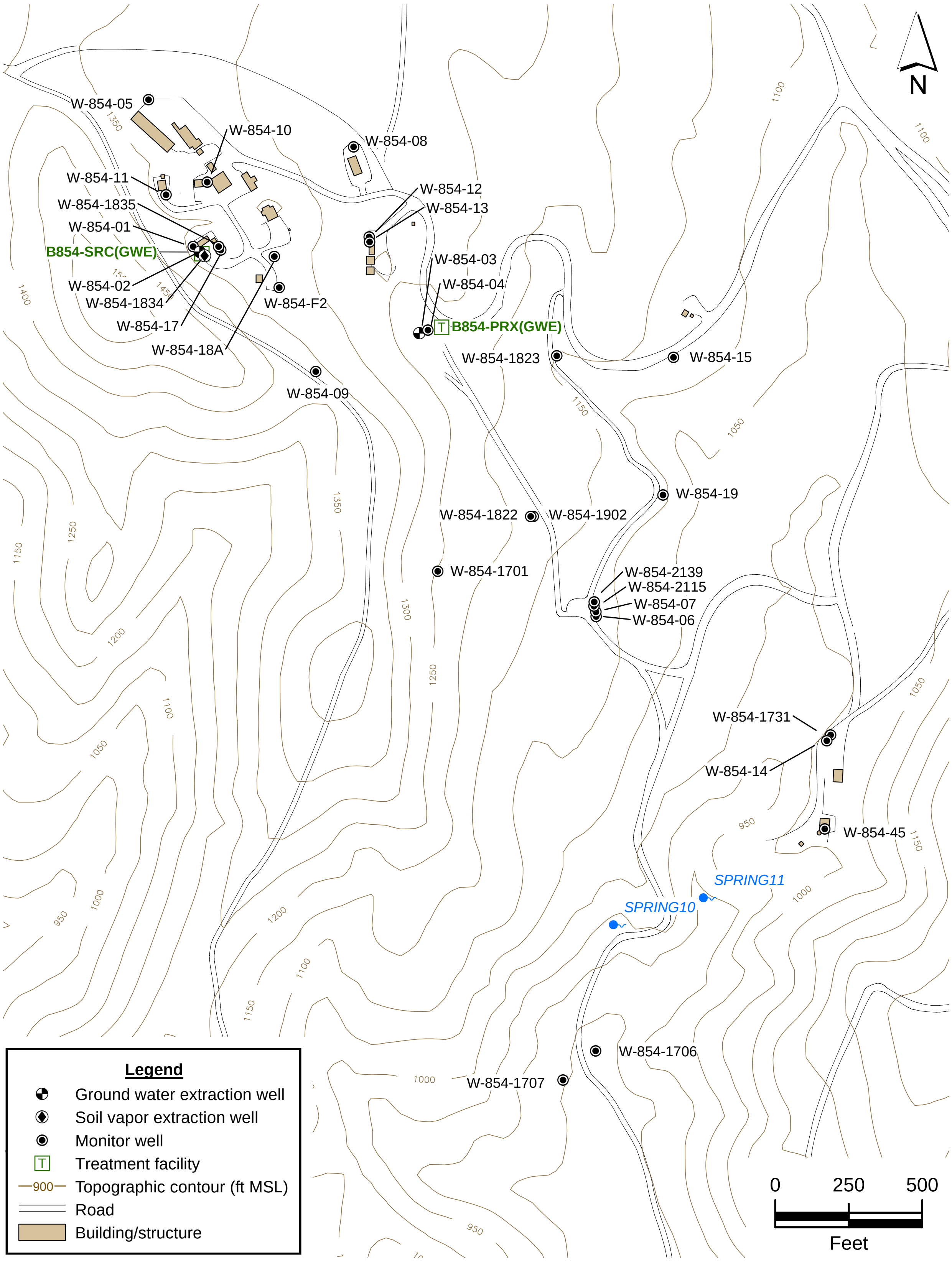


Figure 2.6-1. Building 854 OU site map showing monitoring and extraction wells, and treatment facilities.

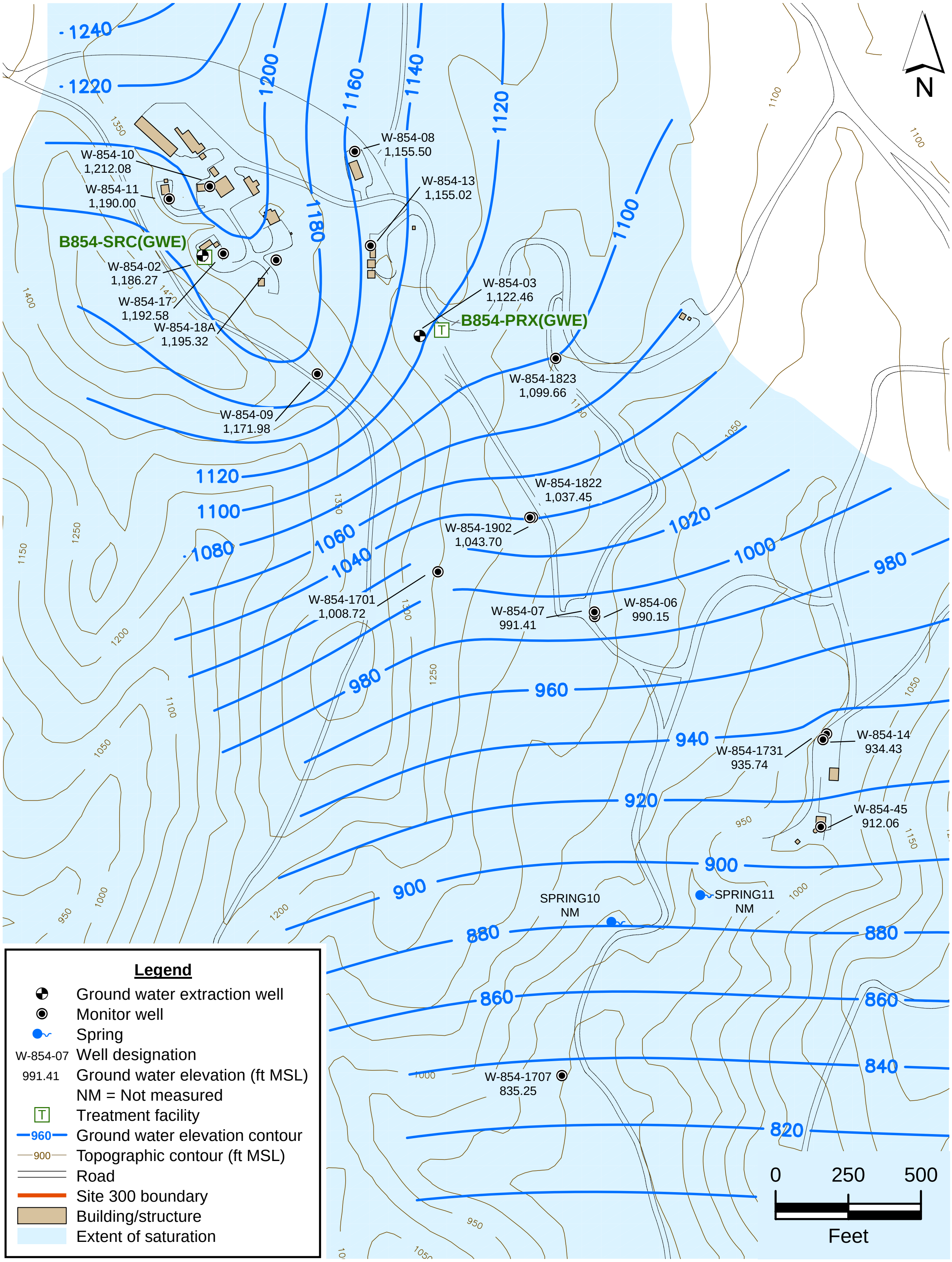


Figure 2.6-2. Building 854 OU ground water potentiometric surface map for the $Tnbs_1/Tnsc_0$ HSU.

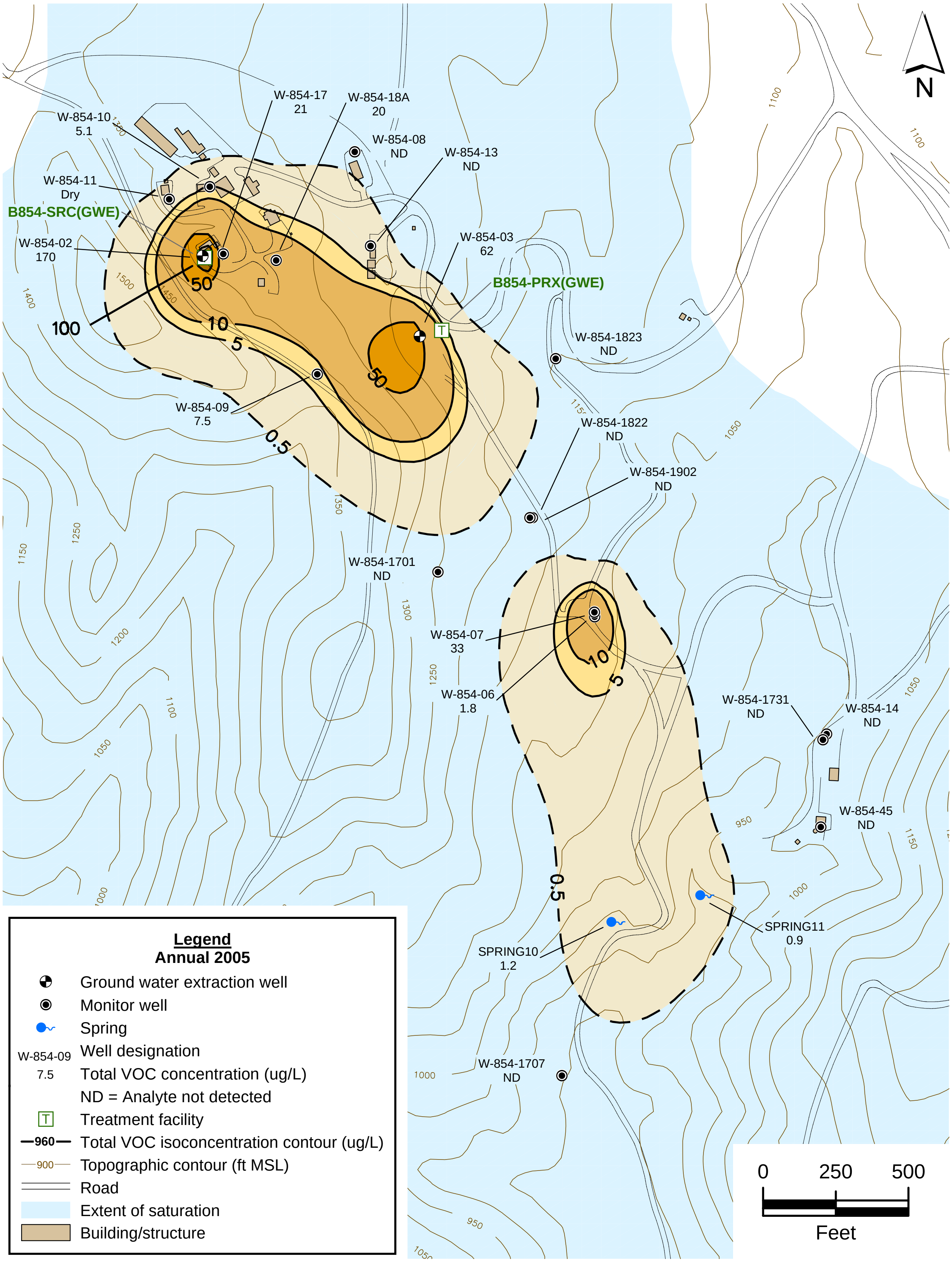


Figure 2.6-3. Building 854 OU total VOC isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU.

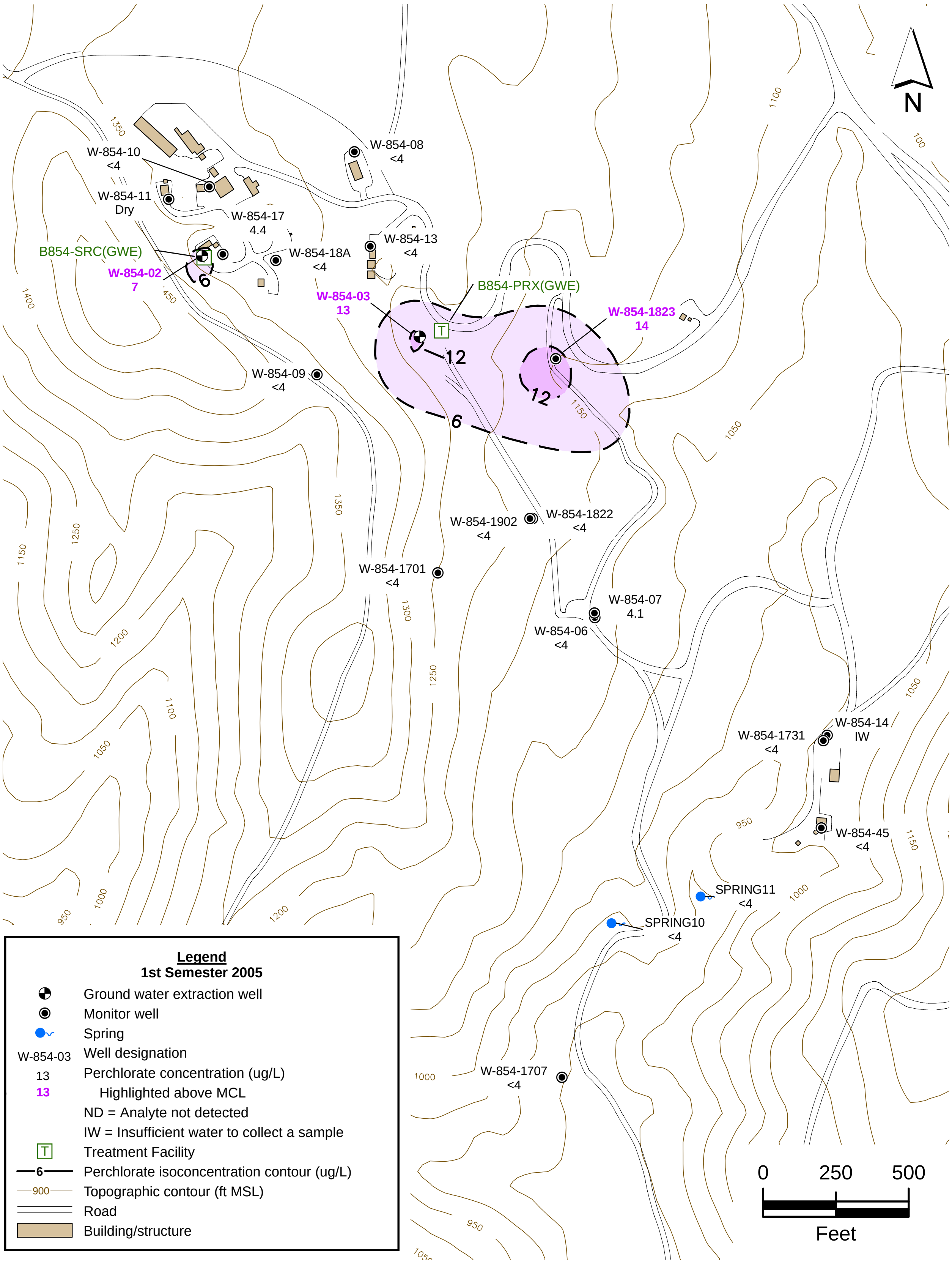


Figure 2.6-4. Building 854 OU perchlorate isoconcentration contour map for the $Tnbs_1/Tnsc_0$ HSU.

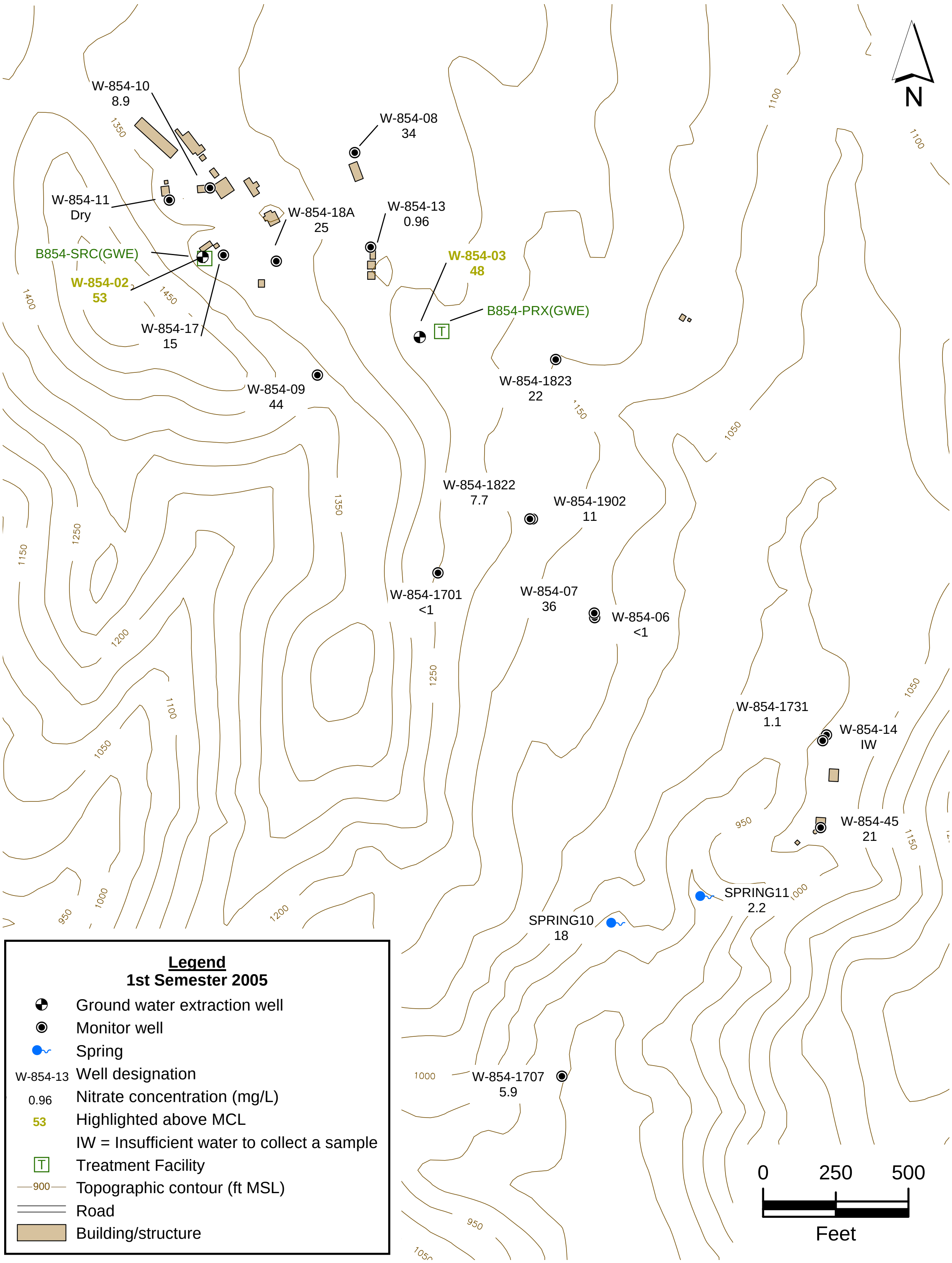


Figure 2.6-5. Building 854 OU map showing nitrate concentrations for the Tnbs$_1$/Tnsc$_0$ HSU.

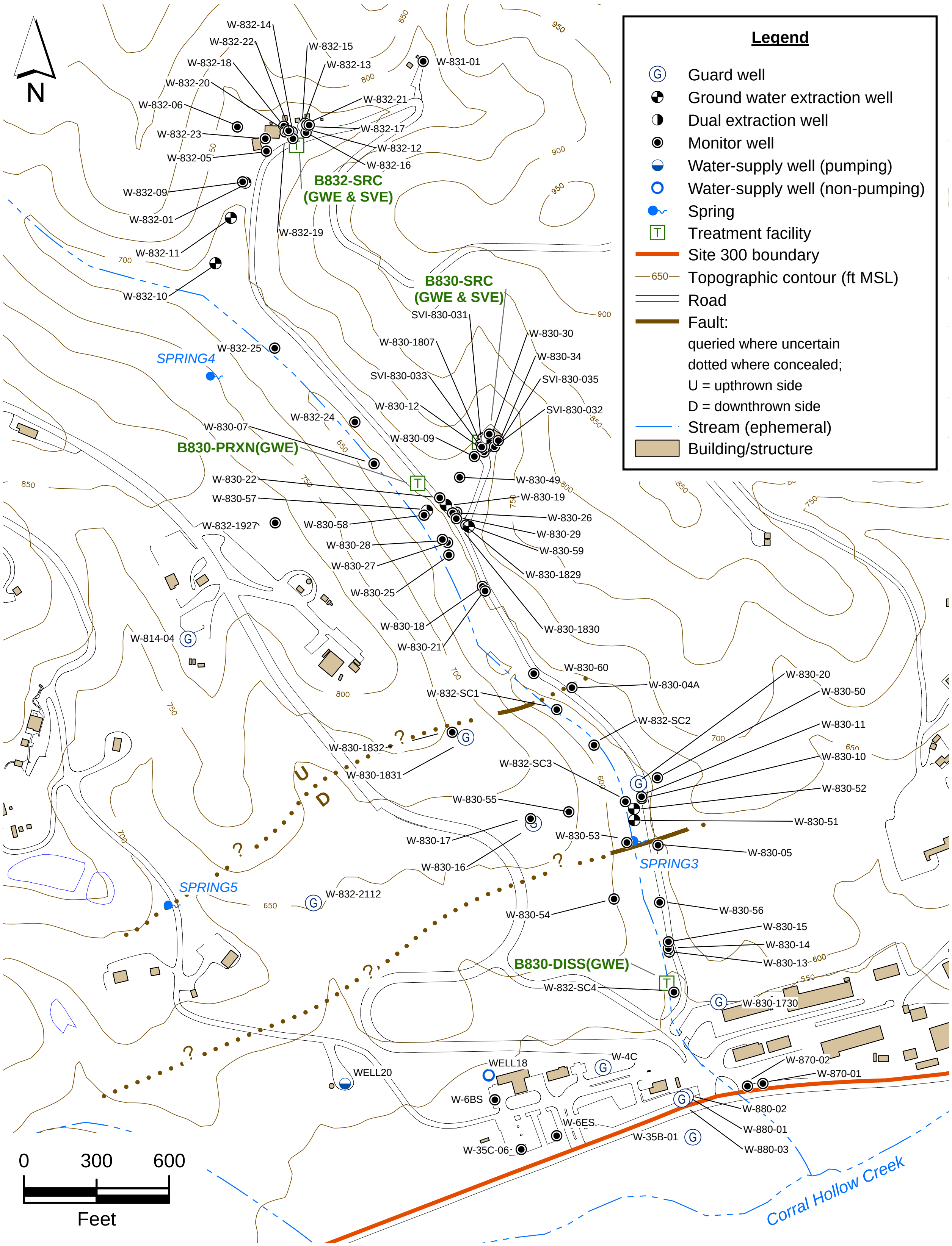


Figure 2.7-1. Building 832 Canyon OU site map showing monitor, extraction and water-supply wells, and treatment facilities.

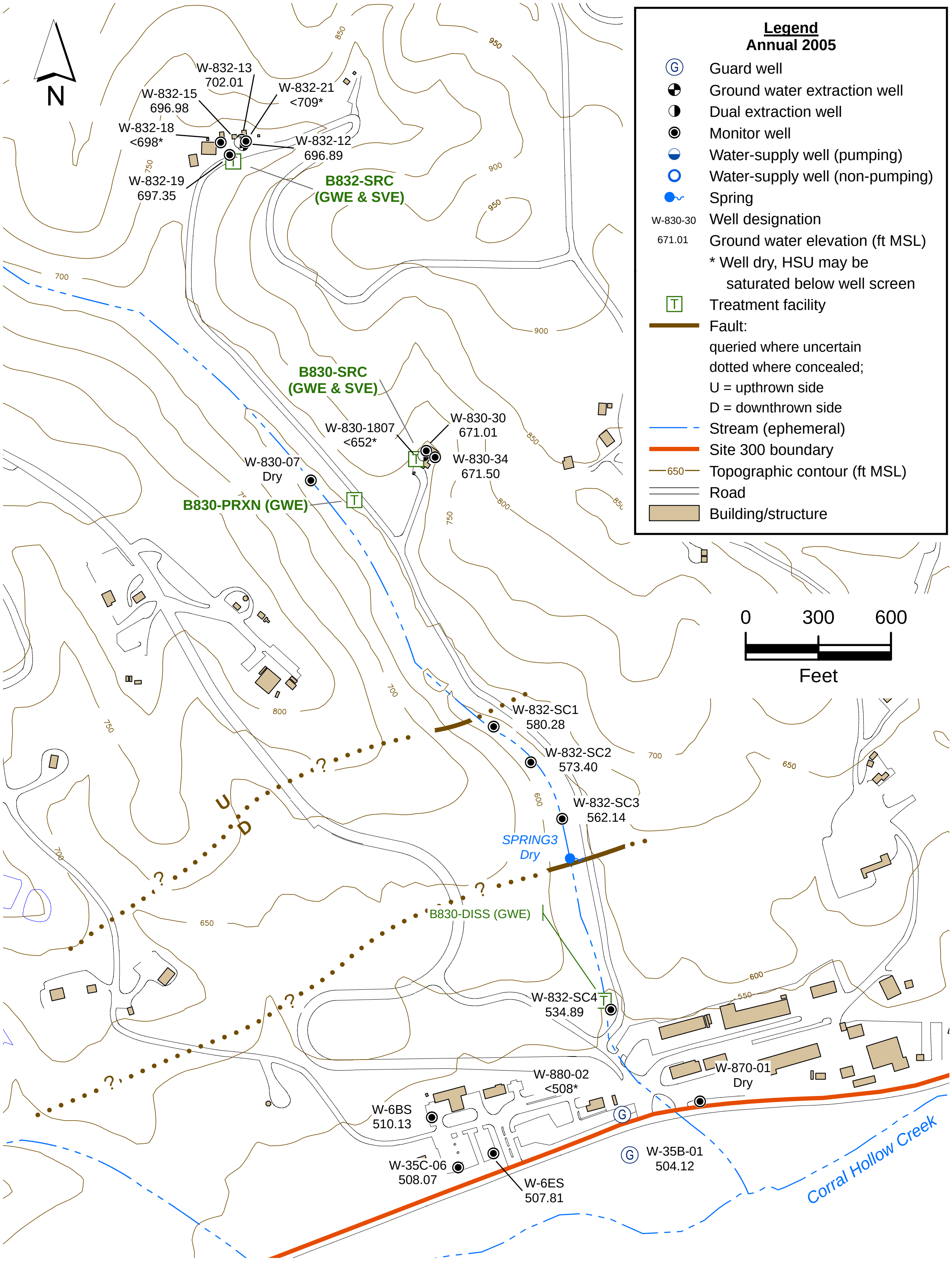


Figure 2.7-2. Building 832 Canyon OU map showing ground water elevations for the Qal/WBR HSU.

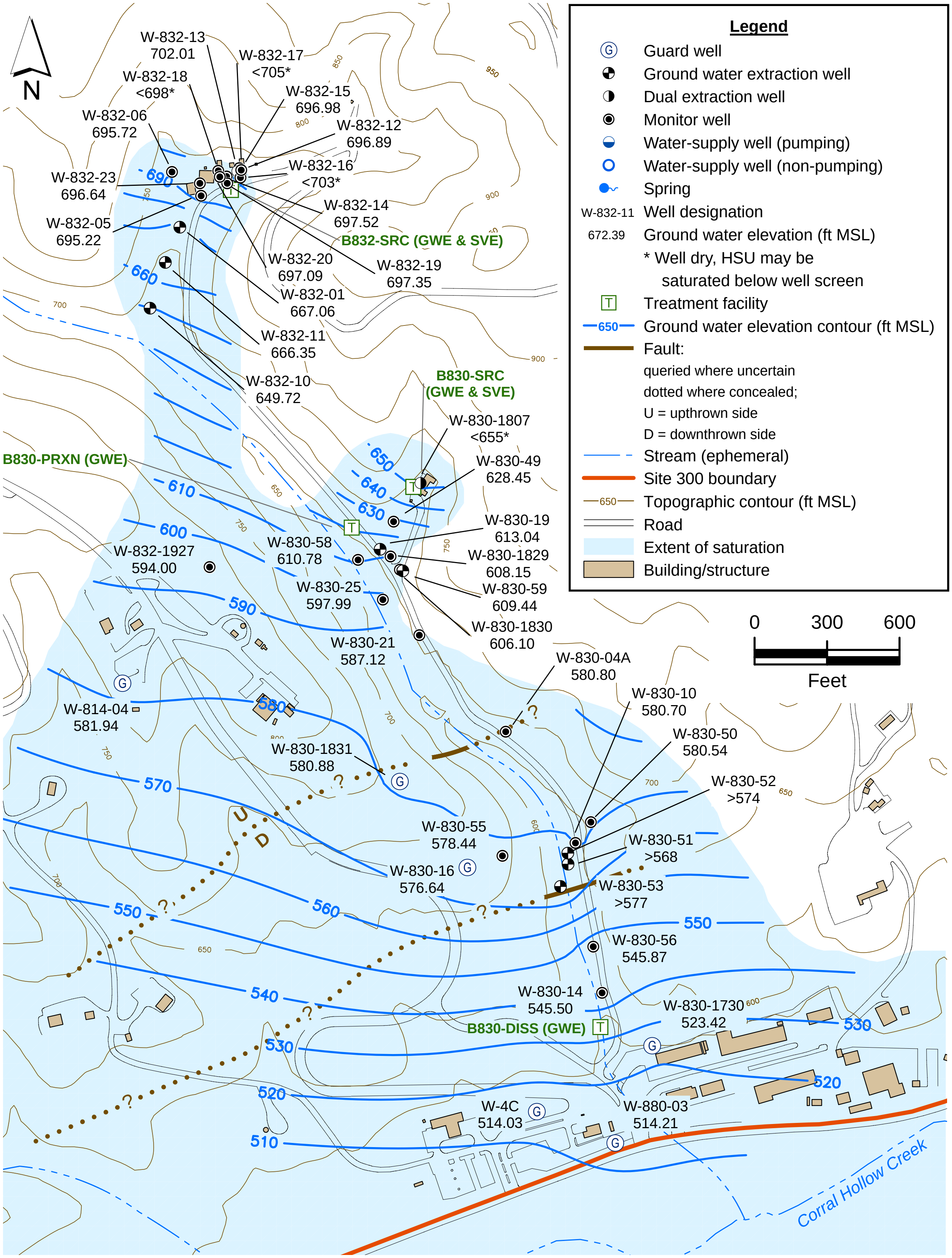


Figure 2.7-3. Building 832 Canyon OU ground water potentiometric surface map for the Tnsc$_{1b}$ HSU.

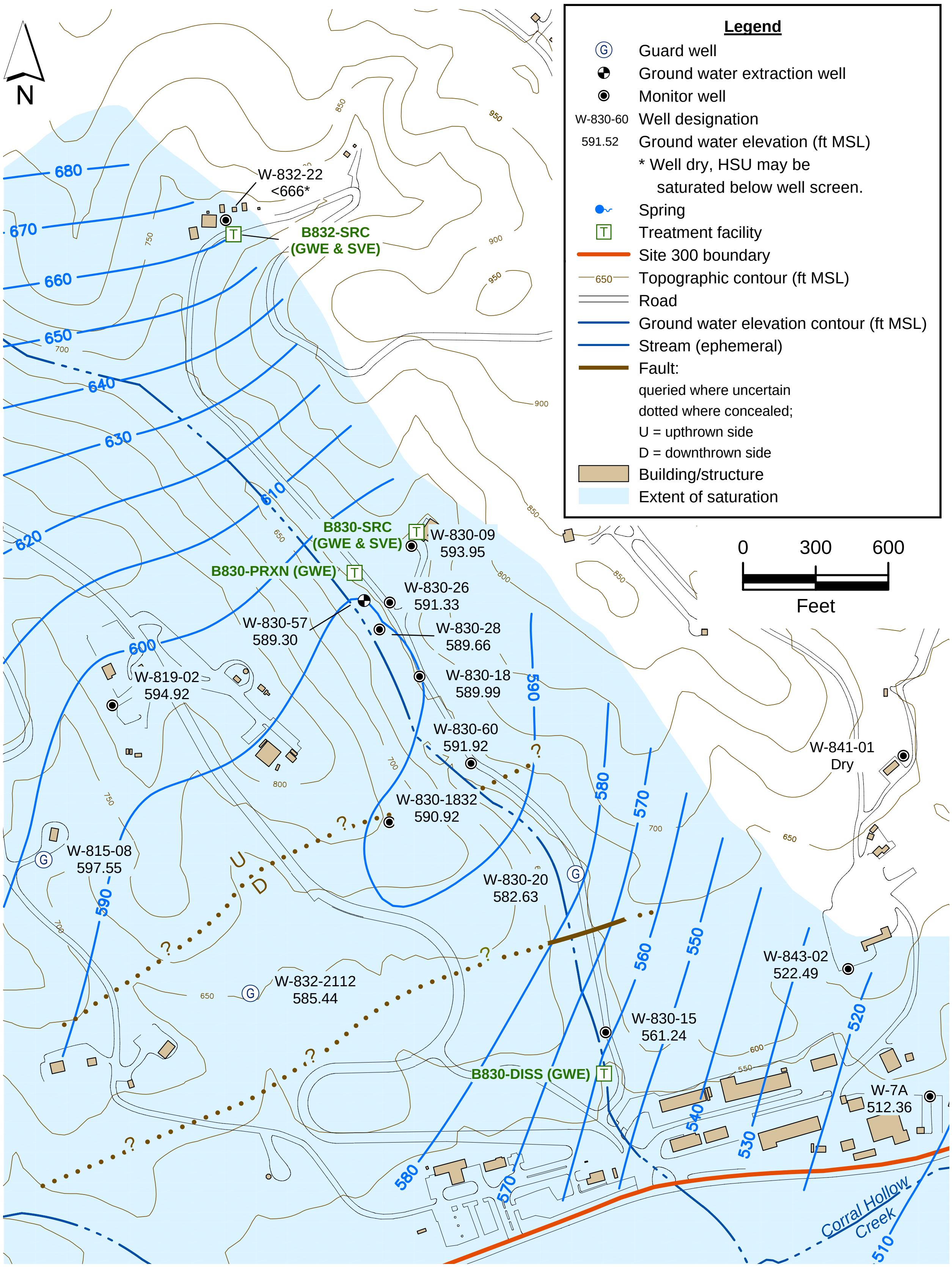


Figure 2.7-4. Building 832 Canyon OU ground water potentiometric surface map for the Upper Tnbs$_1$ HSU.

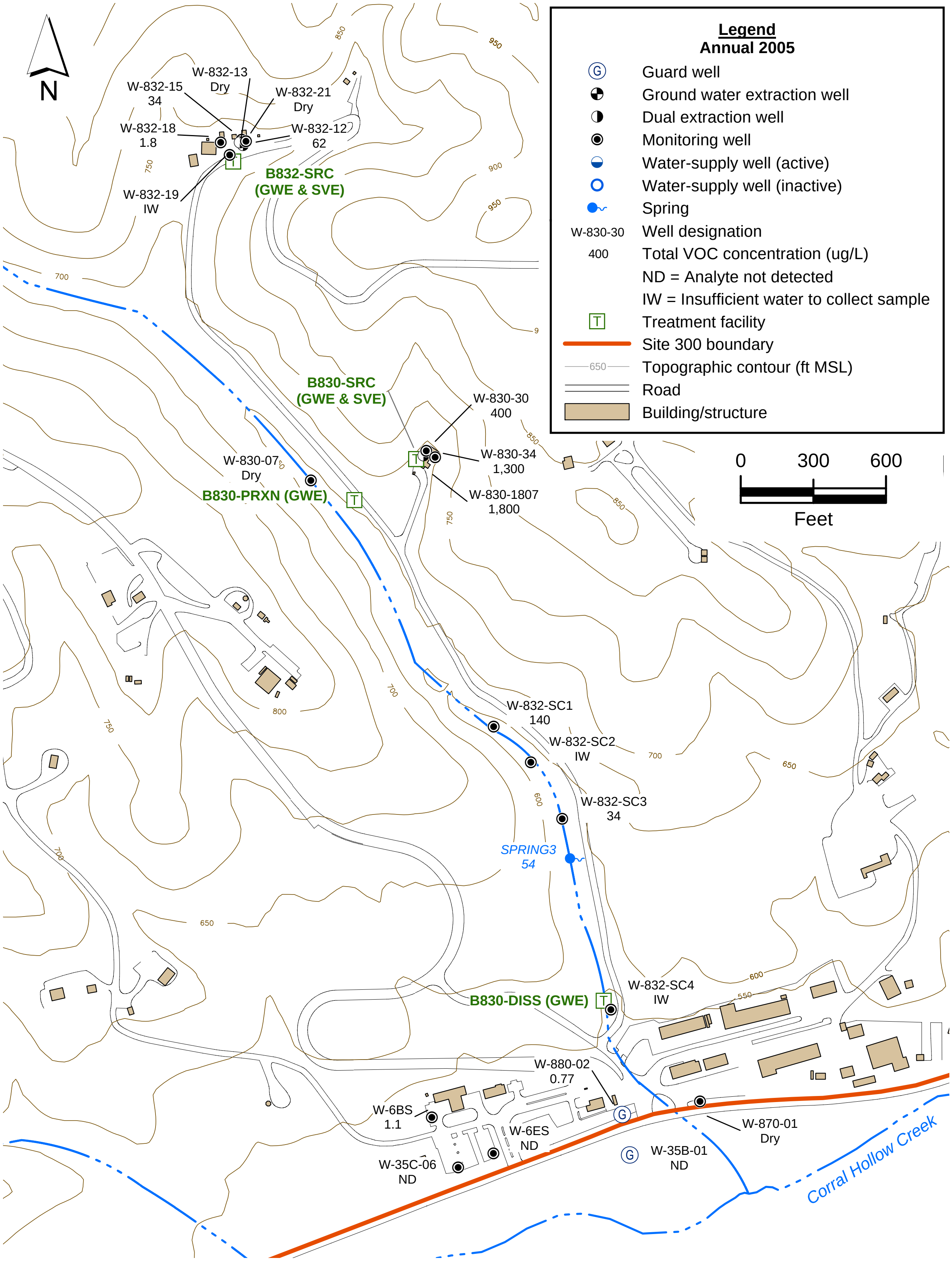


Figure 2.7-5. Building 832 Canyon OU map showing total VOC concentrations for the Qal/WBR HSU.

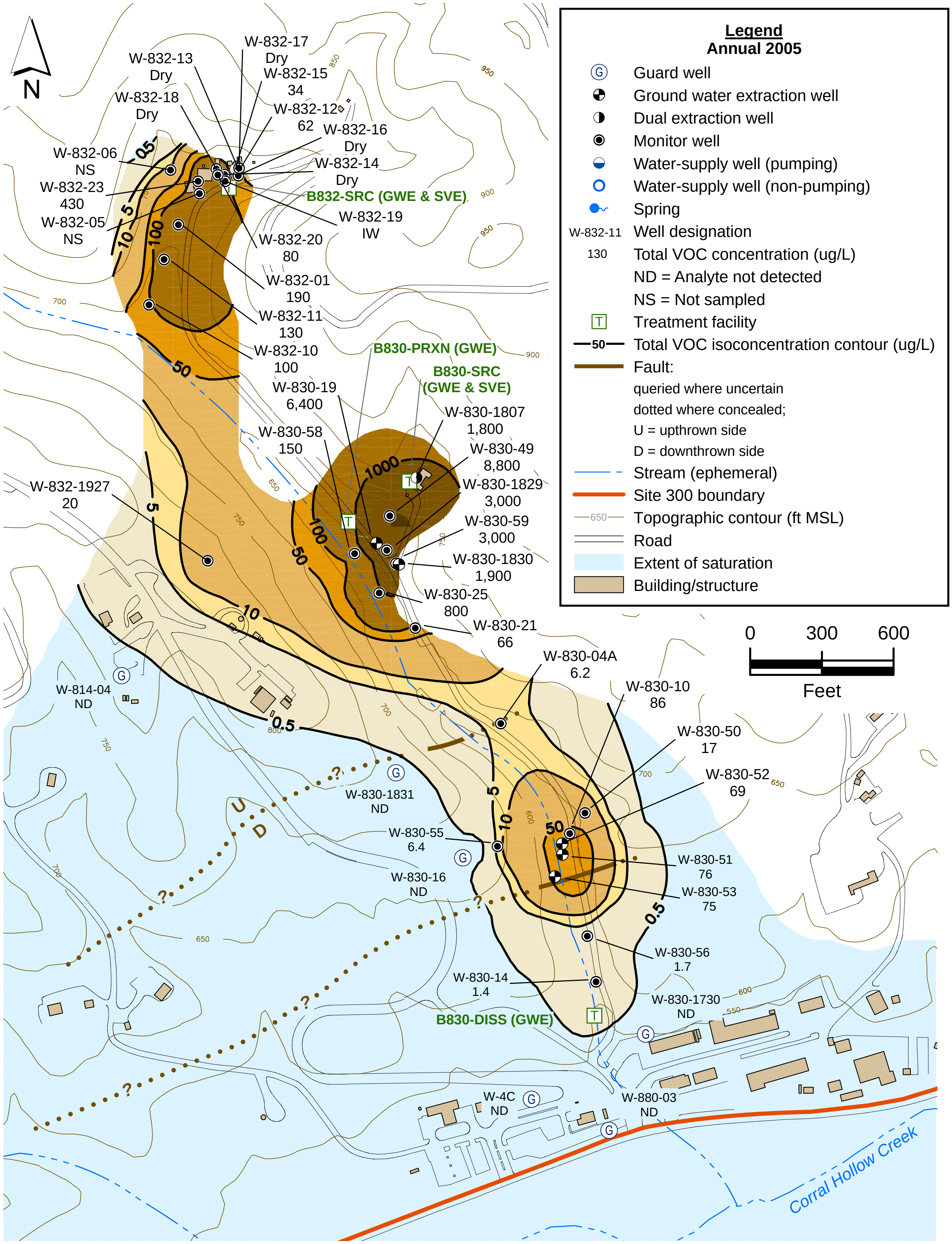


Figure 2.7-6. Building 832 Canyon OU total VOC isoconcentration contour map for the Tnsc$_{1b}$ HSU.

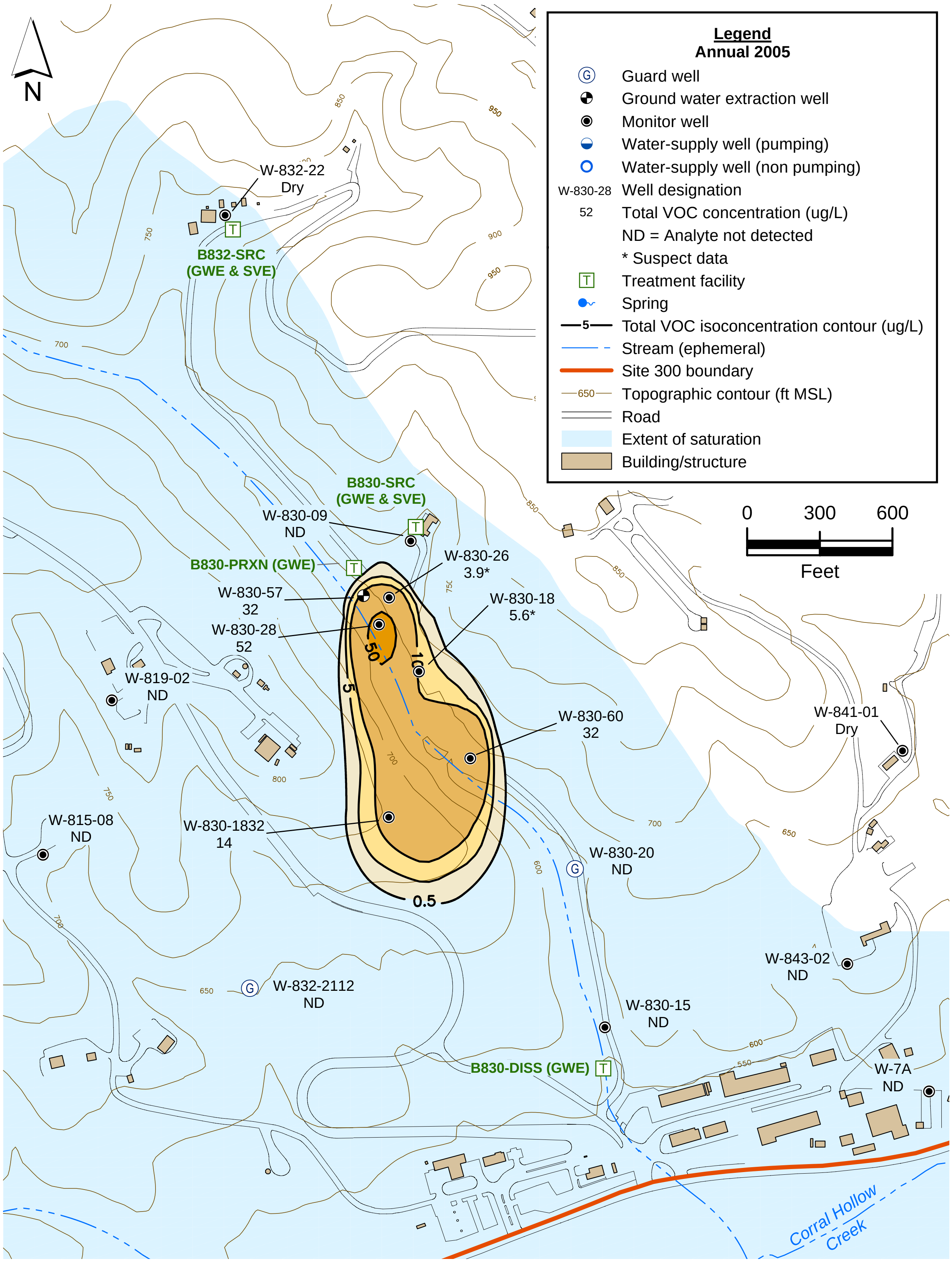


Figure 2.7-7. Building 832 Canyon OU total VOC isoconcentration contour map for the Upper Tnbs$_1$ HSU.

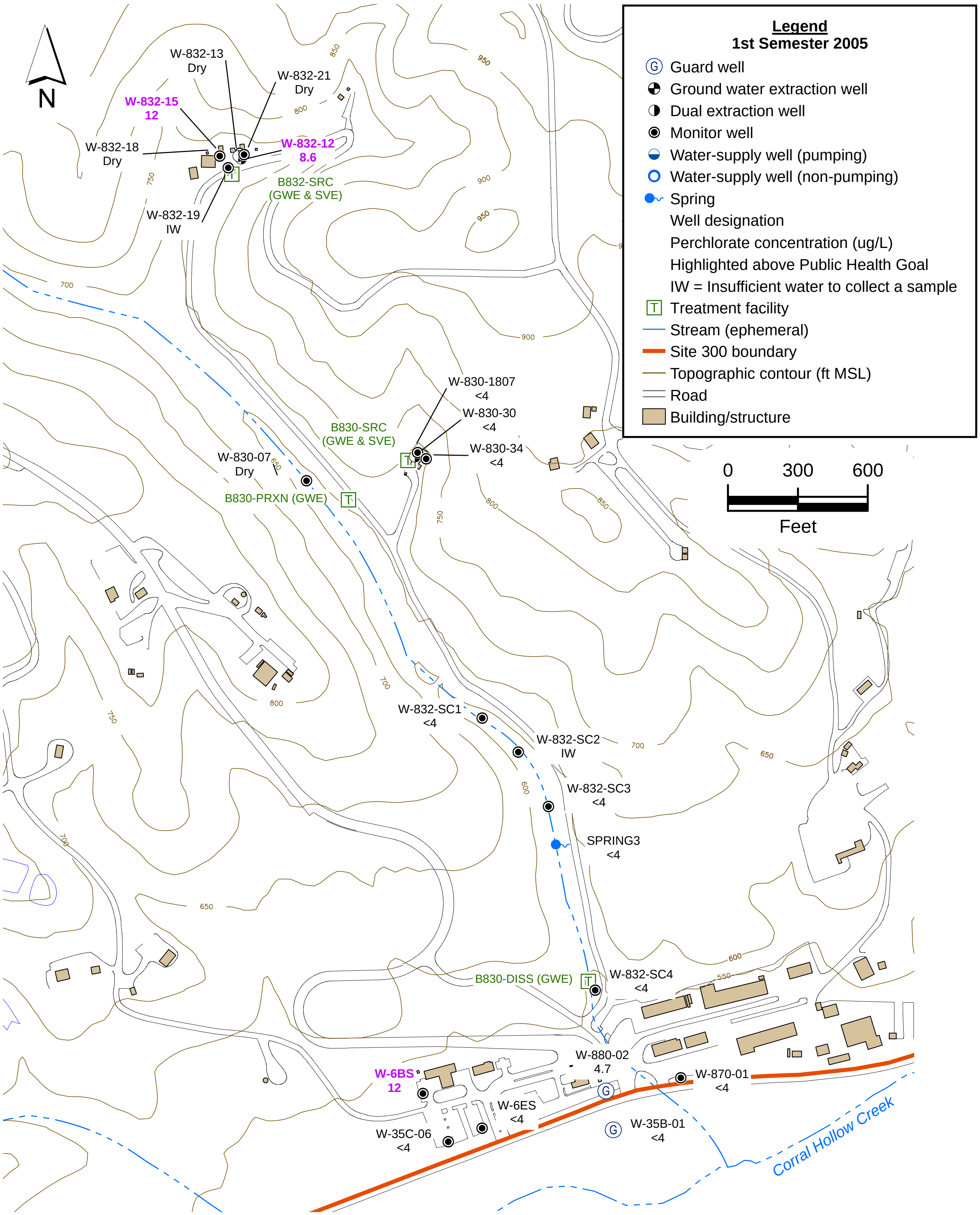


Figure 2.7-8. Building 832 Canyon OU map showing perchlorate concentrations for the Qal/WBR HSU.

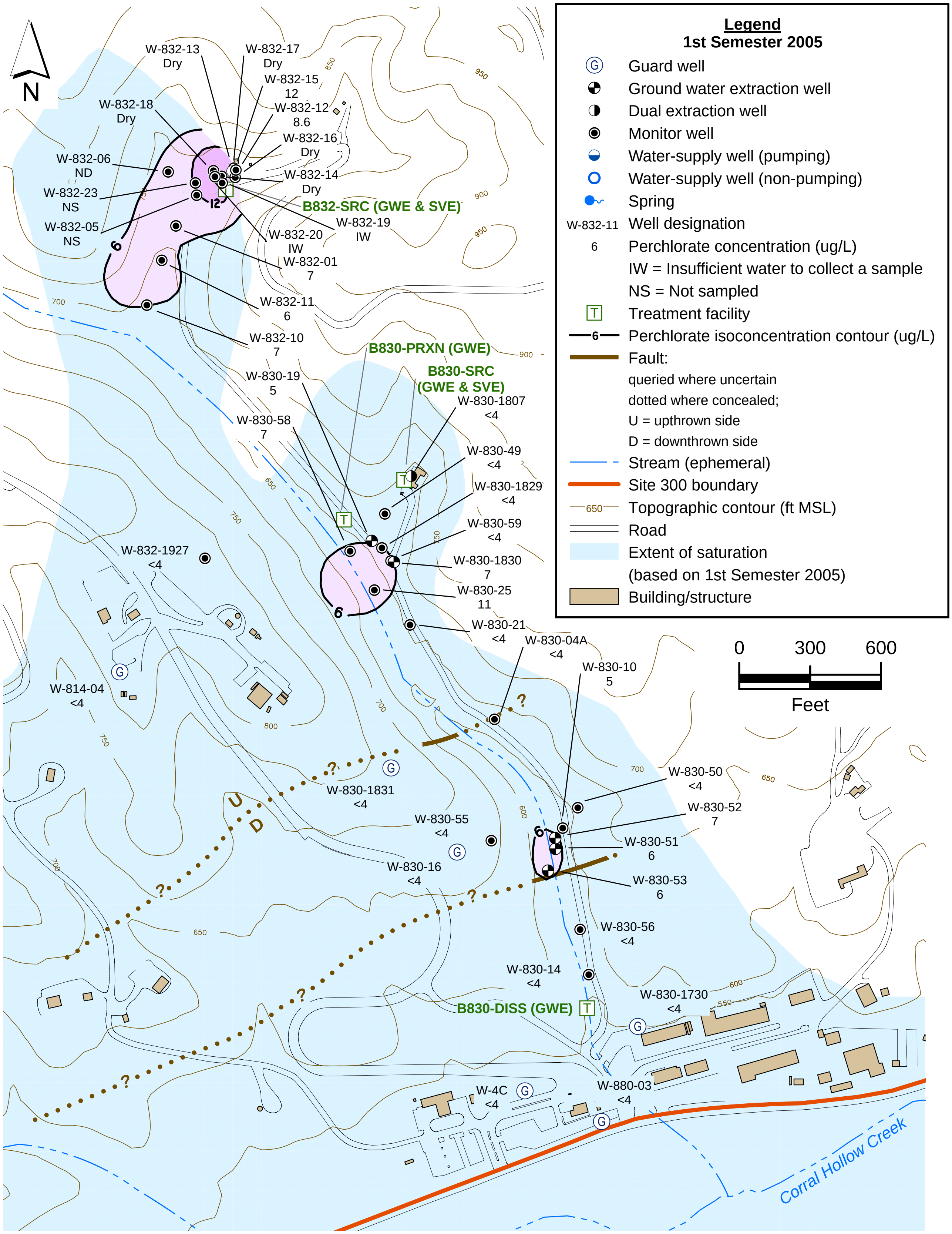


Figure 2.7-9. Building 832 Canyon OU perchlorate isoconcentration contour map for the $Tnsc_{1b}$ HSU.

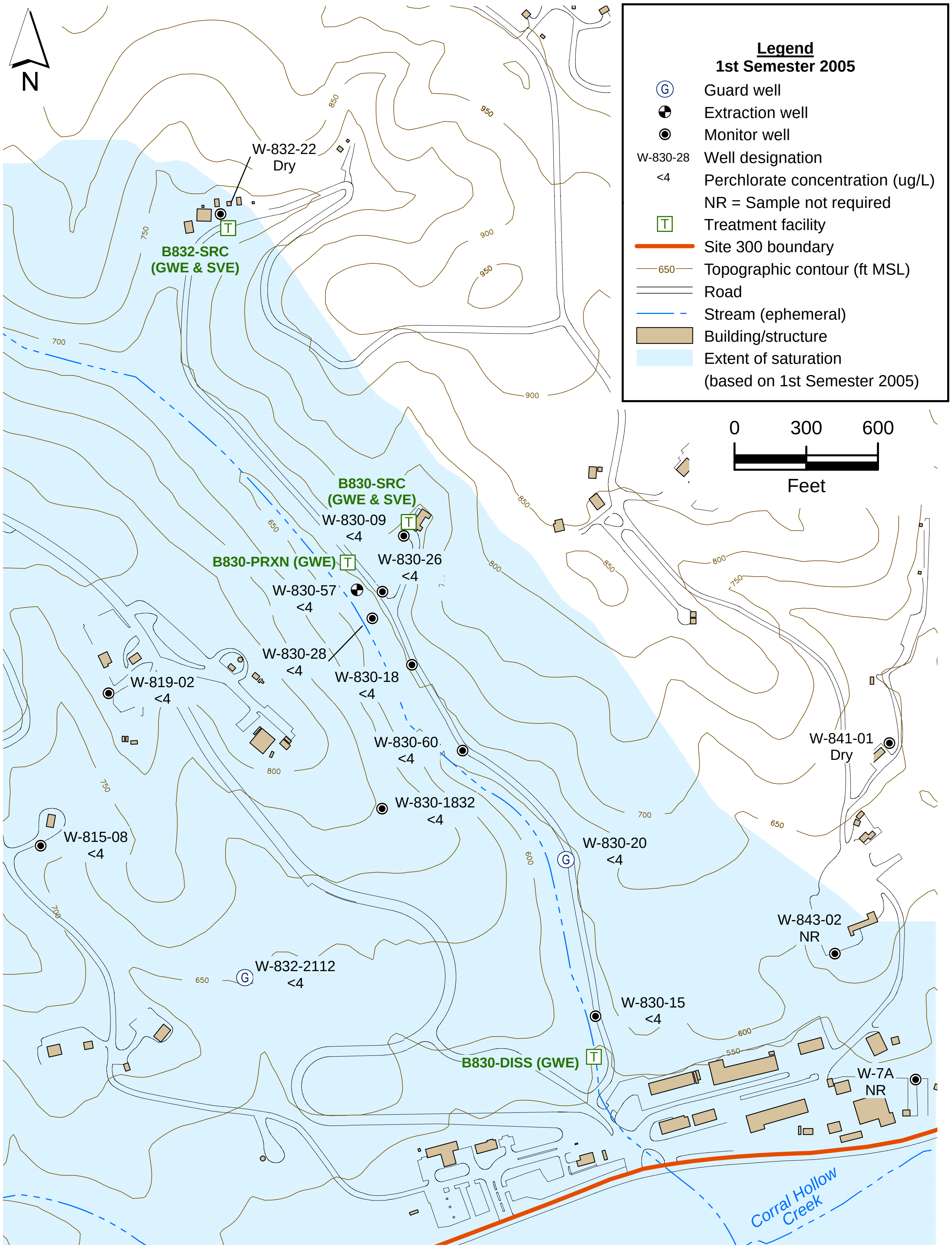


Figure 2.7-10. Building 832 Canyon OU map showing perchlorate concentrations for the Upper Tnbs$_1$ HSU.

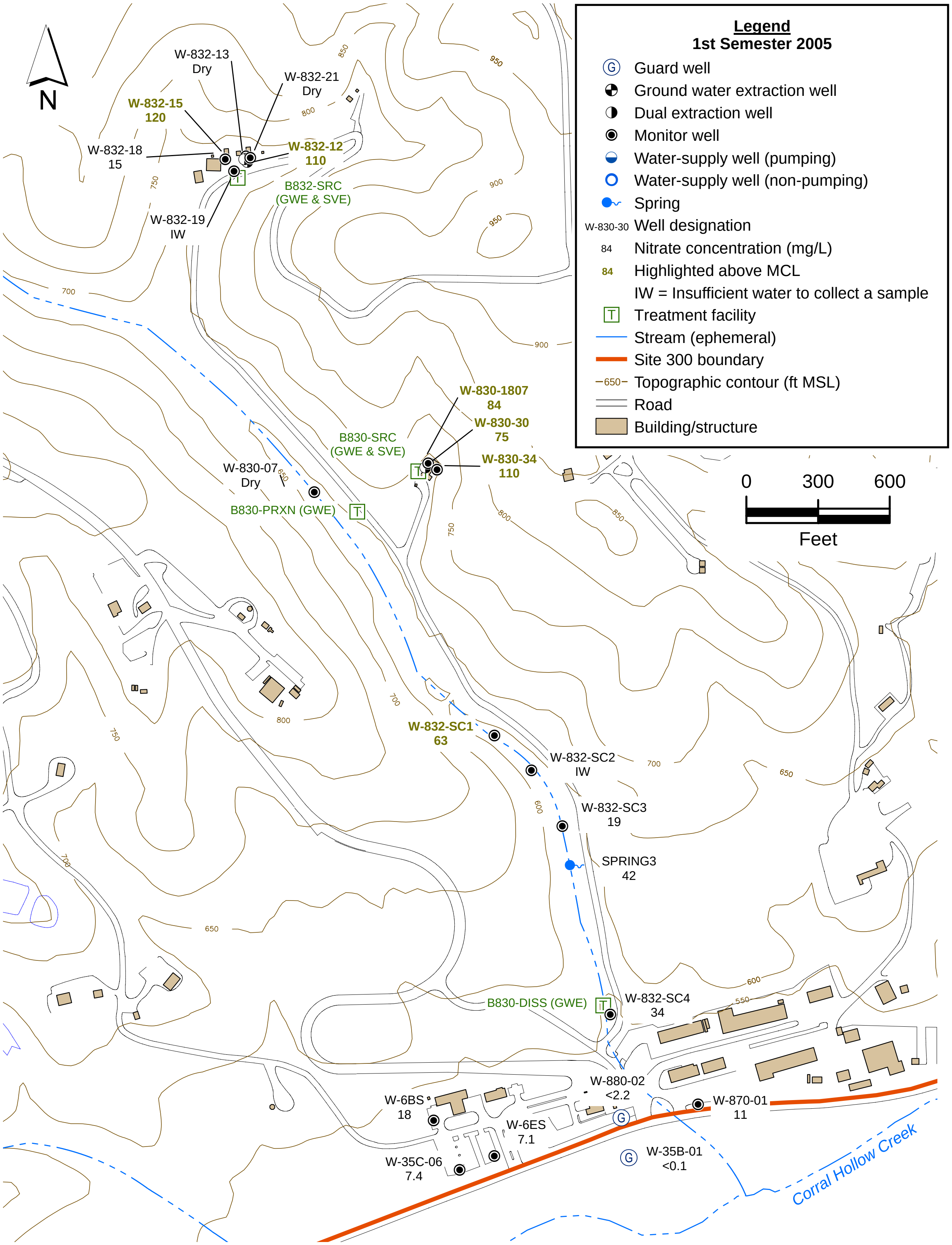


Figure 2.7-11. Building 832 Canyon OU map showing nitrate concentrations for the Qal/WBR HSU.

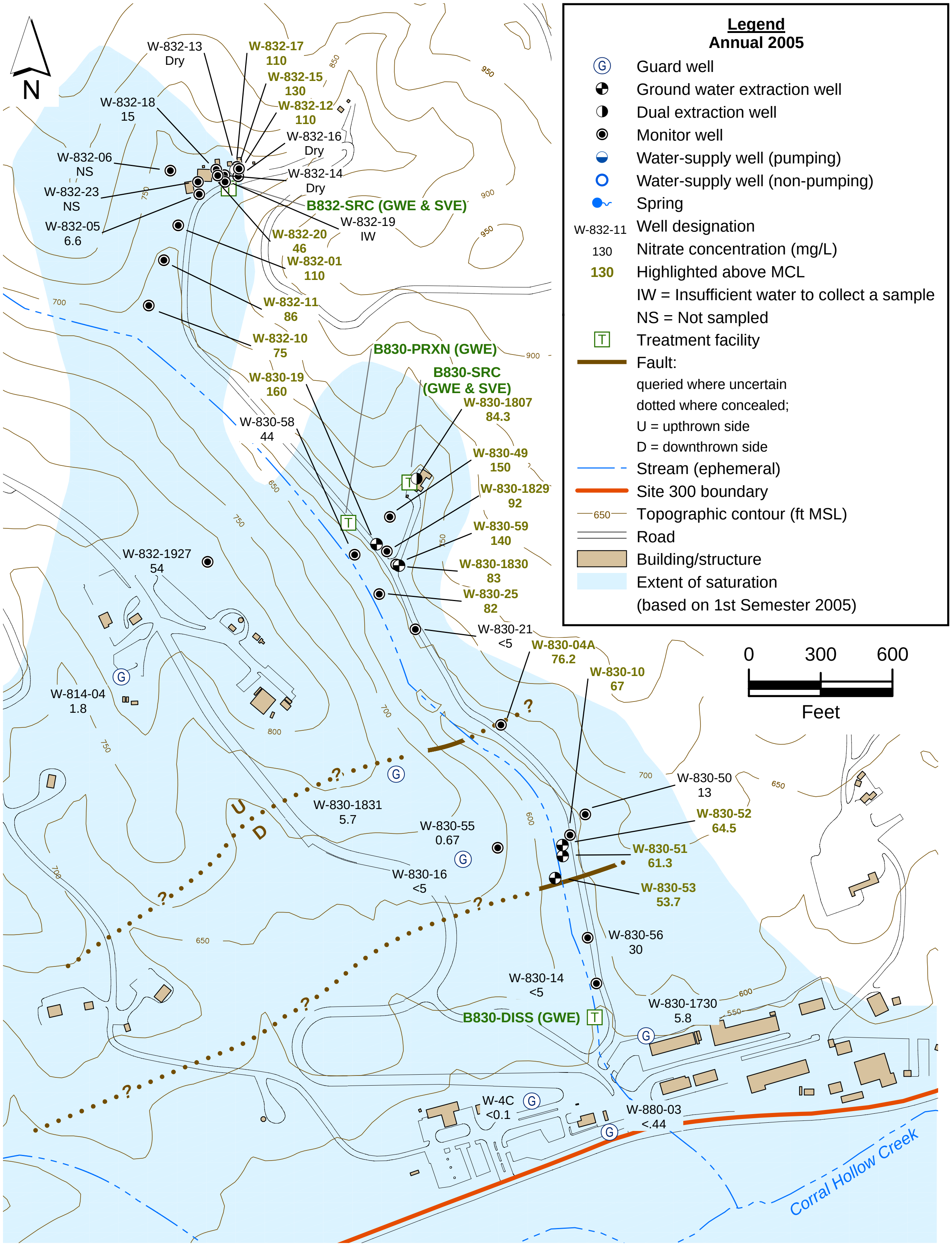


Figure 2.7-12. Building 832 Canyon OU map showing nitrate concentrations for the Tnsc$_{1b}$ HSU.

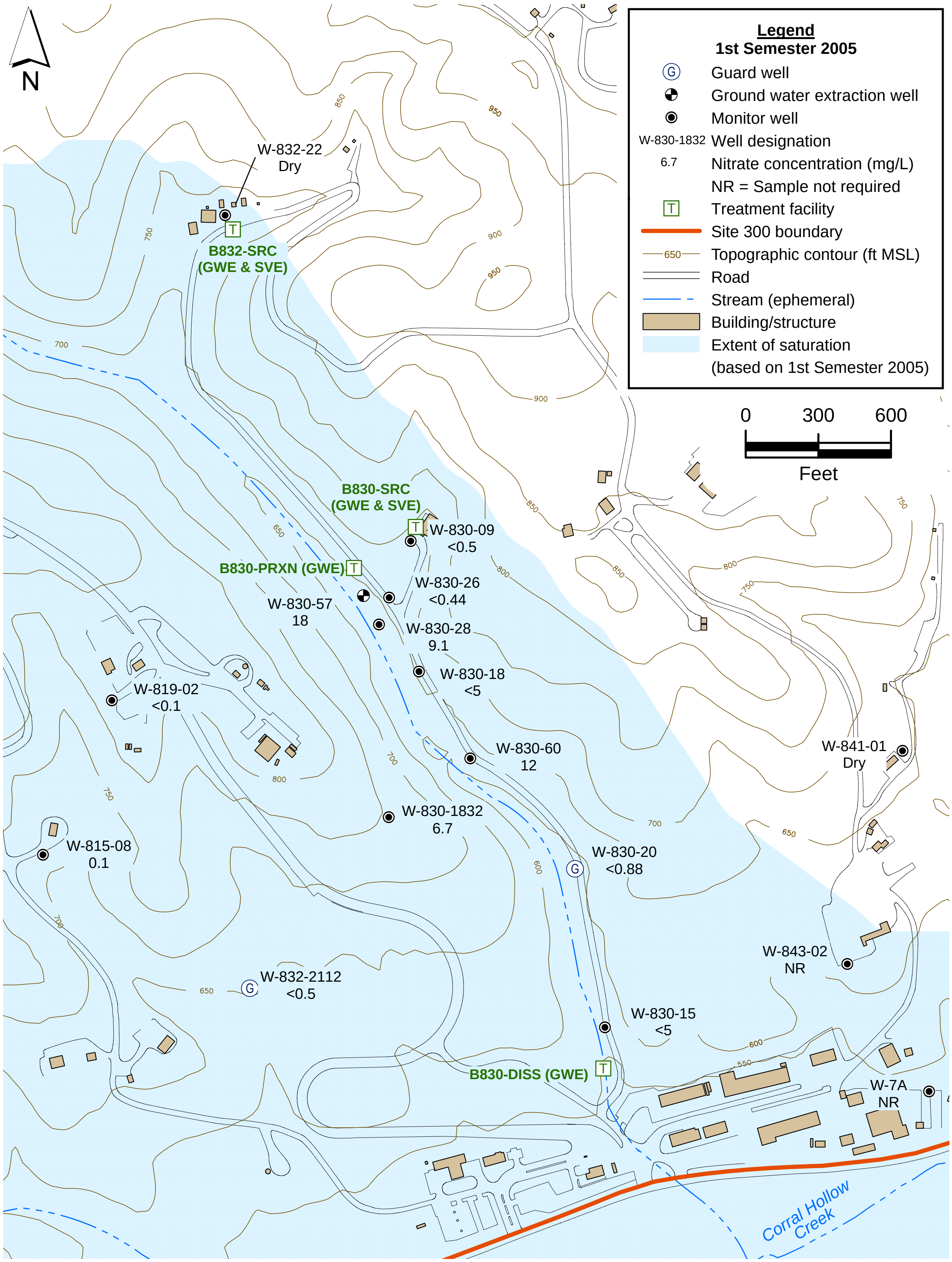


Figure 2.7-13. Building 832 Canyon OU map showing nitrate concentrations for the Upper Tnbs$_1$ HSU.

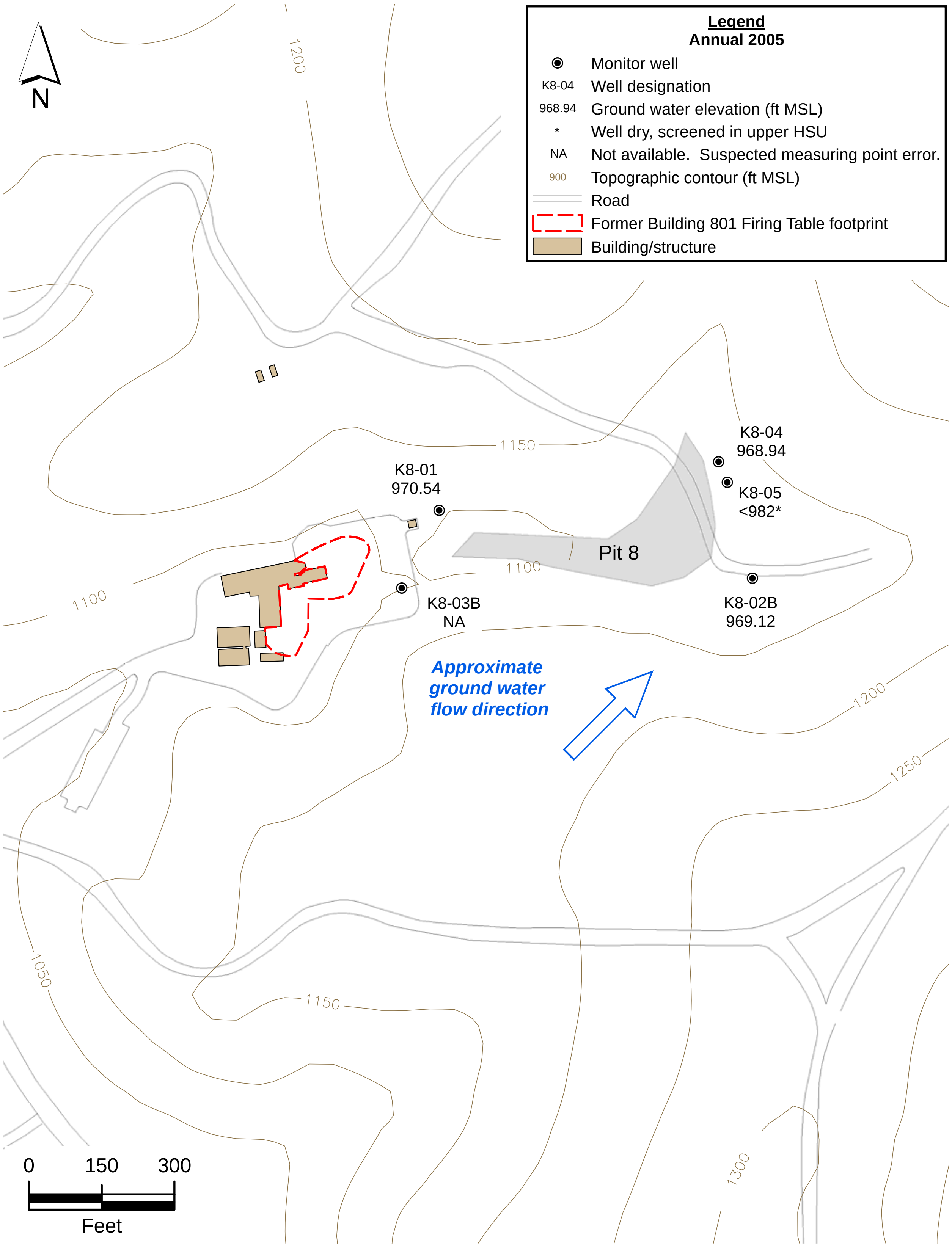


Figure 2.8-1. Building 801 Firing Table and Pit 8 Landfill site map showing ground water elevations and hydraulic gradient direction in the Tnbs$_1$/Tnbs$_0$ HSU.

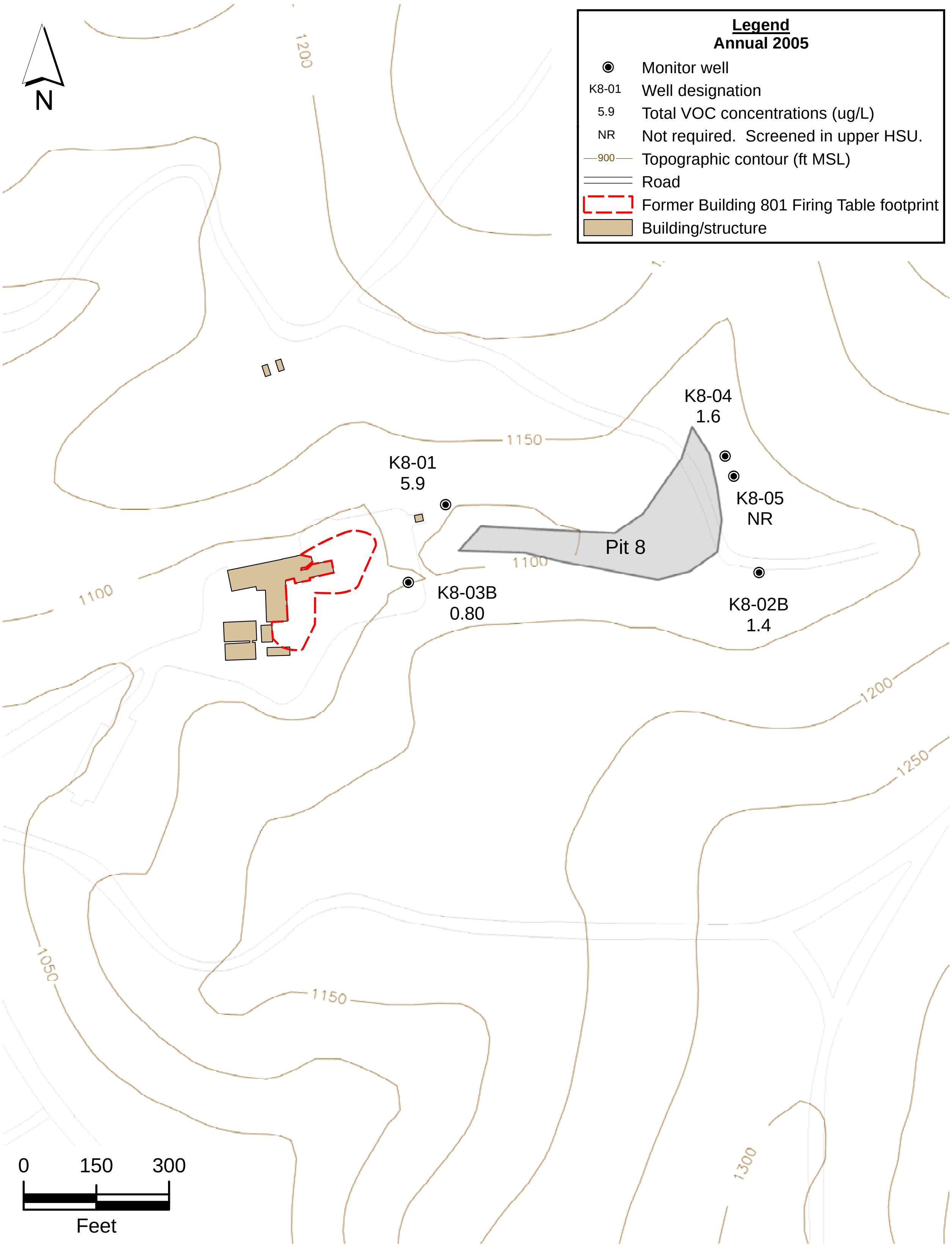


Figure 2.8-2. Building 801 Firing Table and Pit 8 Landfill site map showing ground water total VOC concentrations in $Tnbs_1/Tnbs_0$ HSU wells.

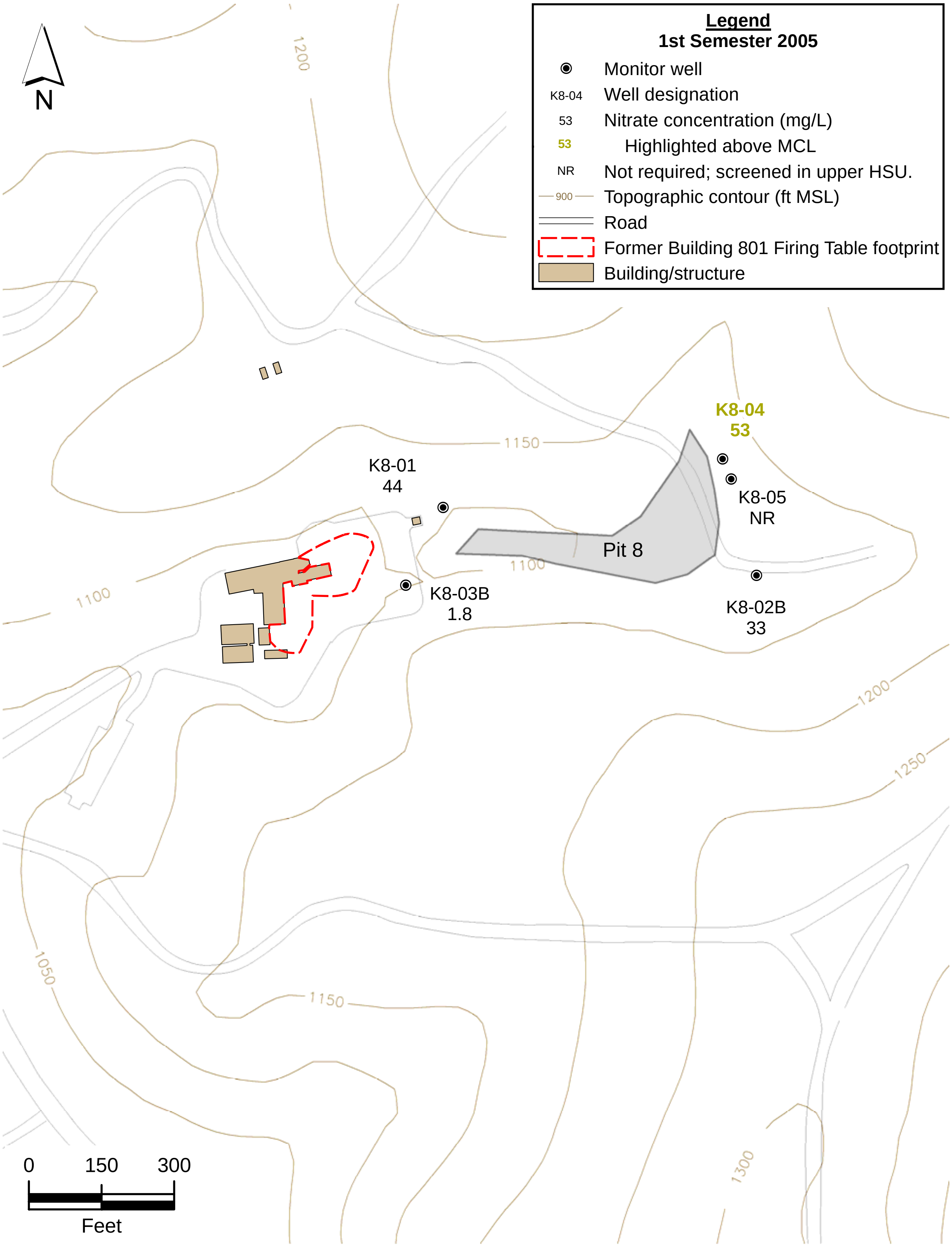


Figure 2.8-3. Building 801 Firing Table and Pit 8 Landfill site map showing ground water nitrate concentrations in $Tnbs_1/Tnbs_0$ HSU wells.

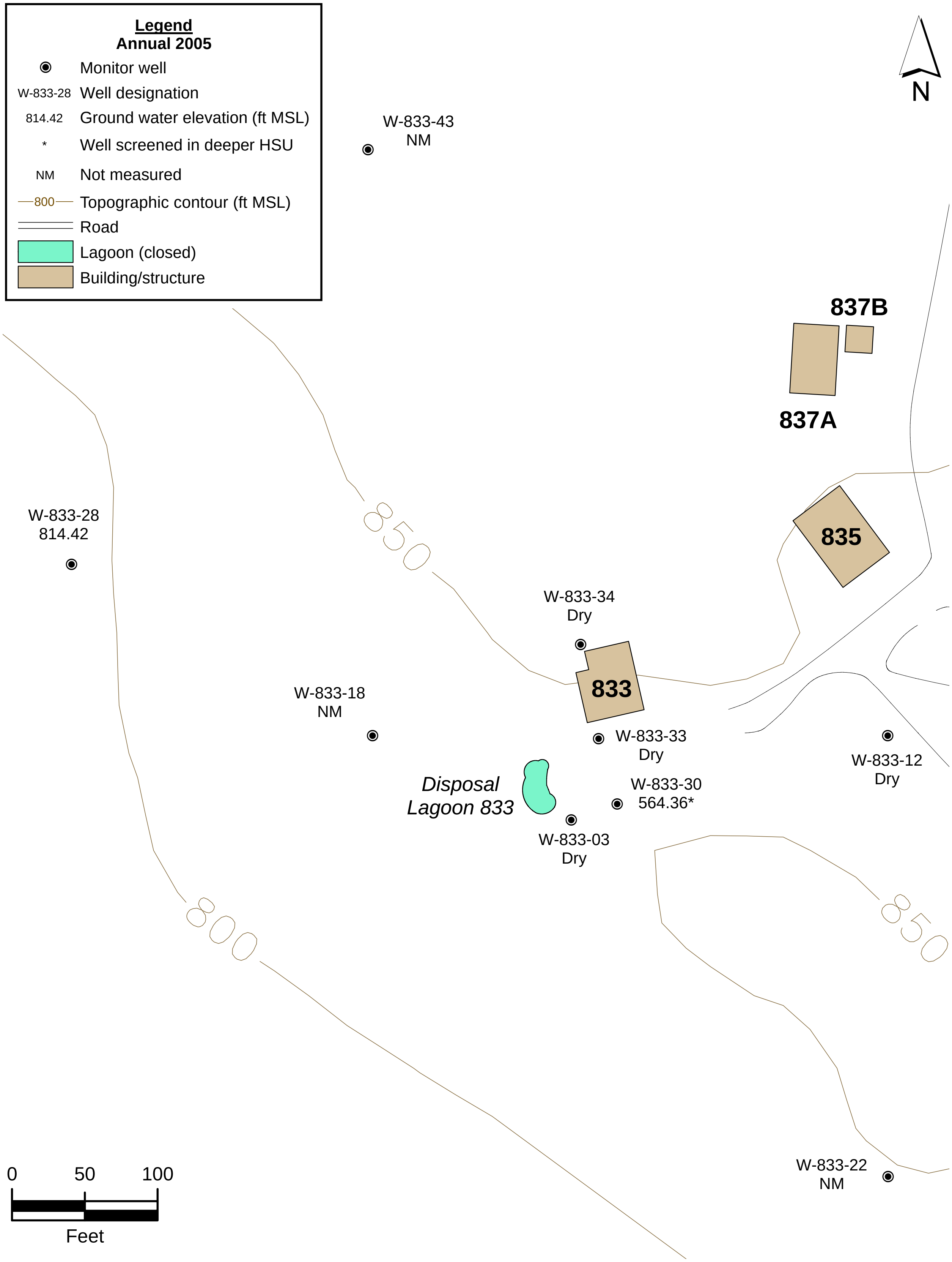


Figure 2.8-4. Building 833 site map showing ground water elevations.

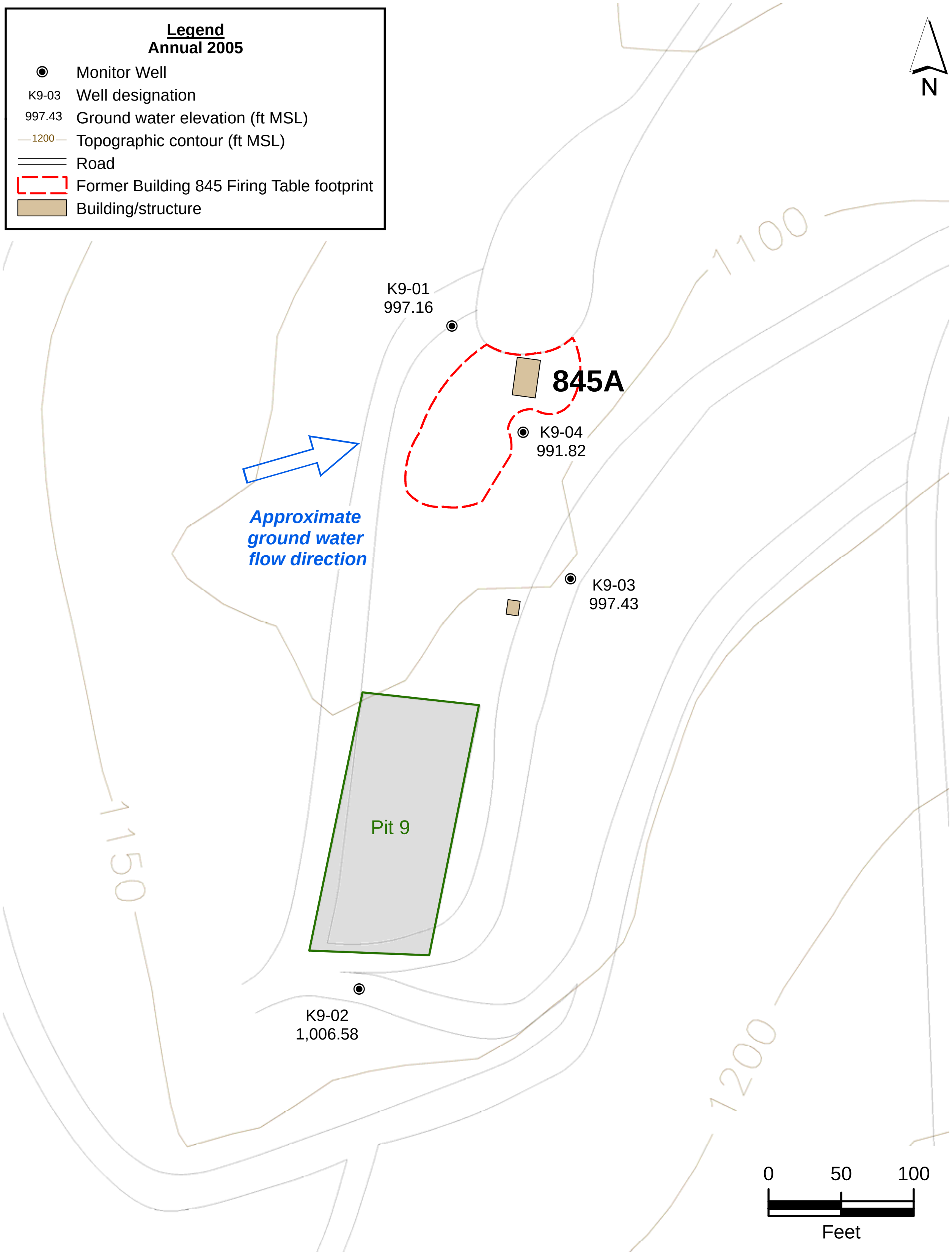


Figure 2.8-5. Building 845 Firing Table and Pit 9 Landfill site map showing ground water elevations and hydraulic gradient direction in the $Tnsc_0$ HSU.

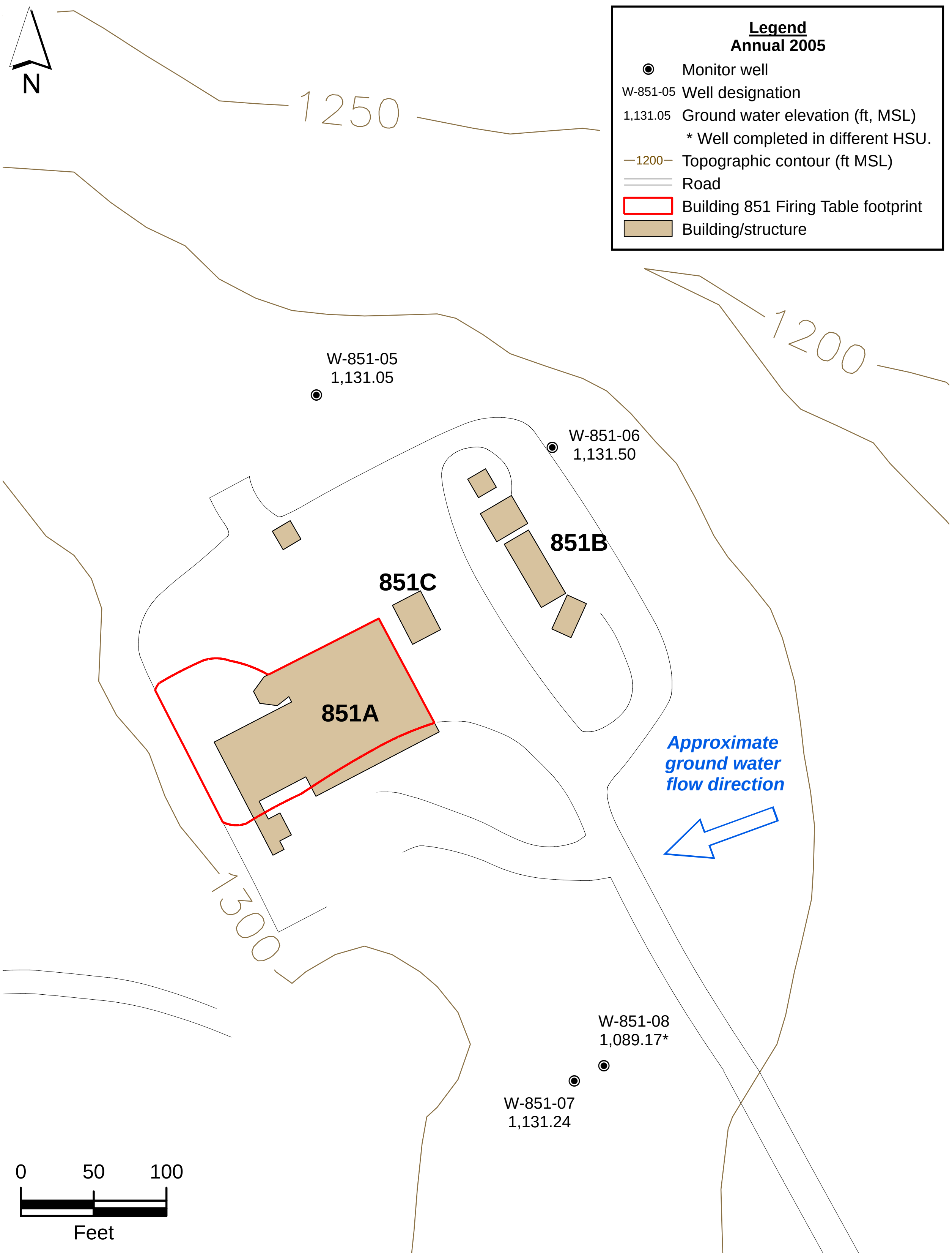


Figure 2.8-6. Building 851 Firing Table site map showing ground water elevations and hydraulic gradient direction in the Tmss HSU.

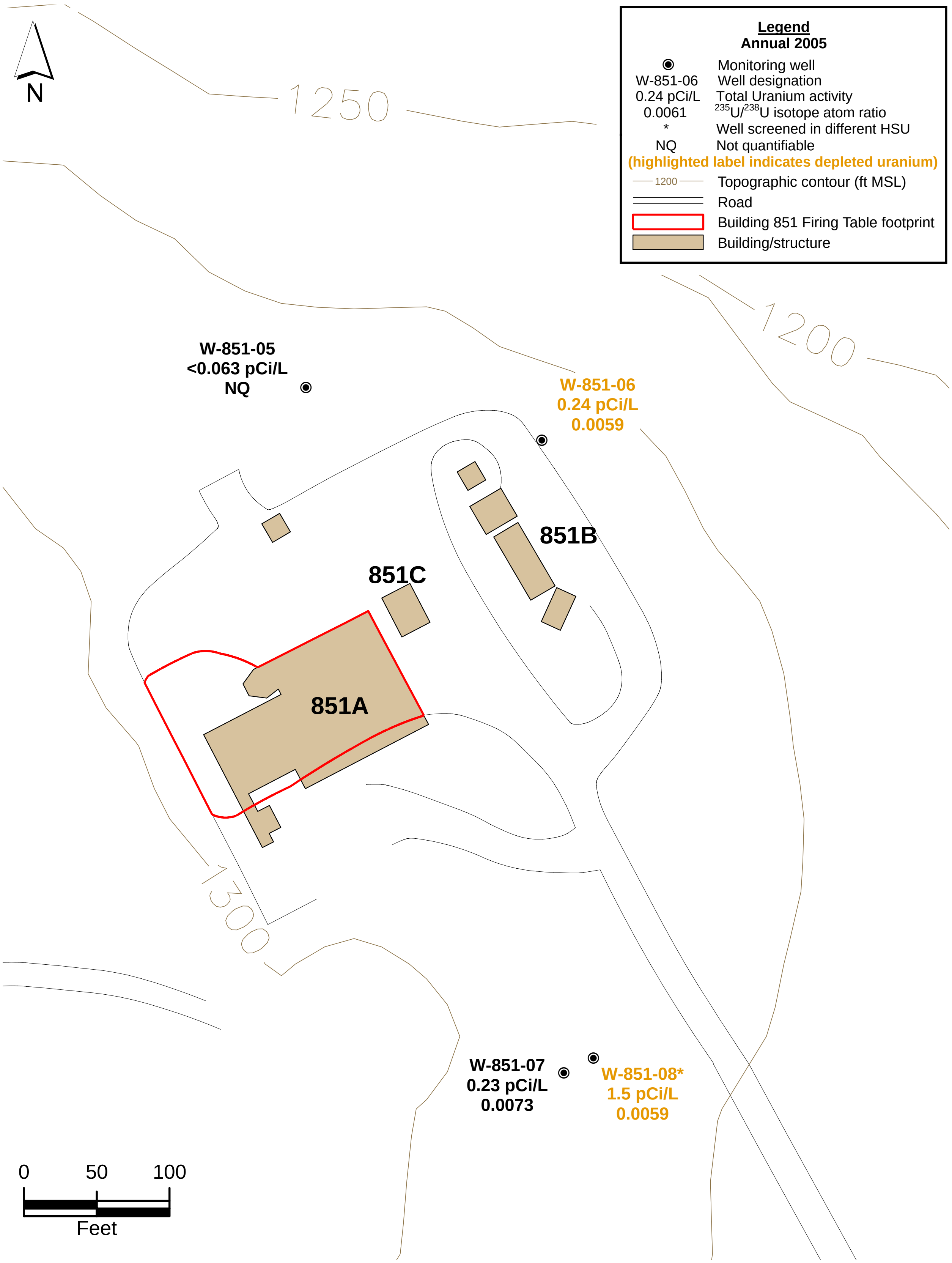


Figure 2.8-7. Building 851 Firing Table site map showing ground water uranium activities and $^{235}U/^{238}U$ isotope atom ratios for the Tmss HSU.

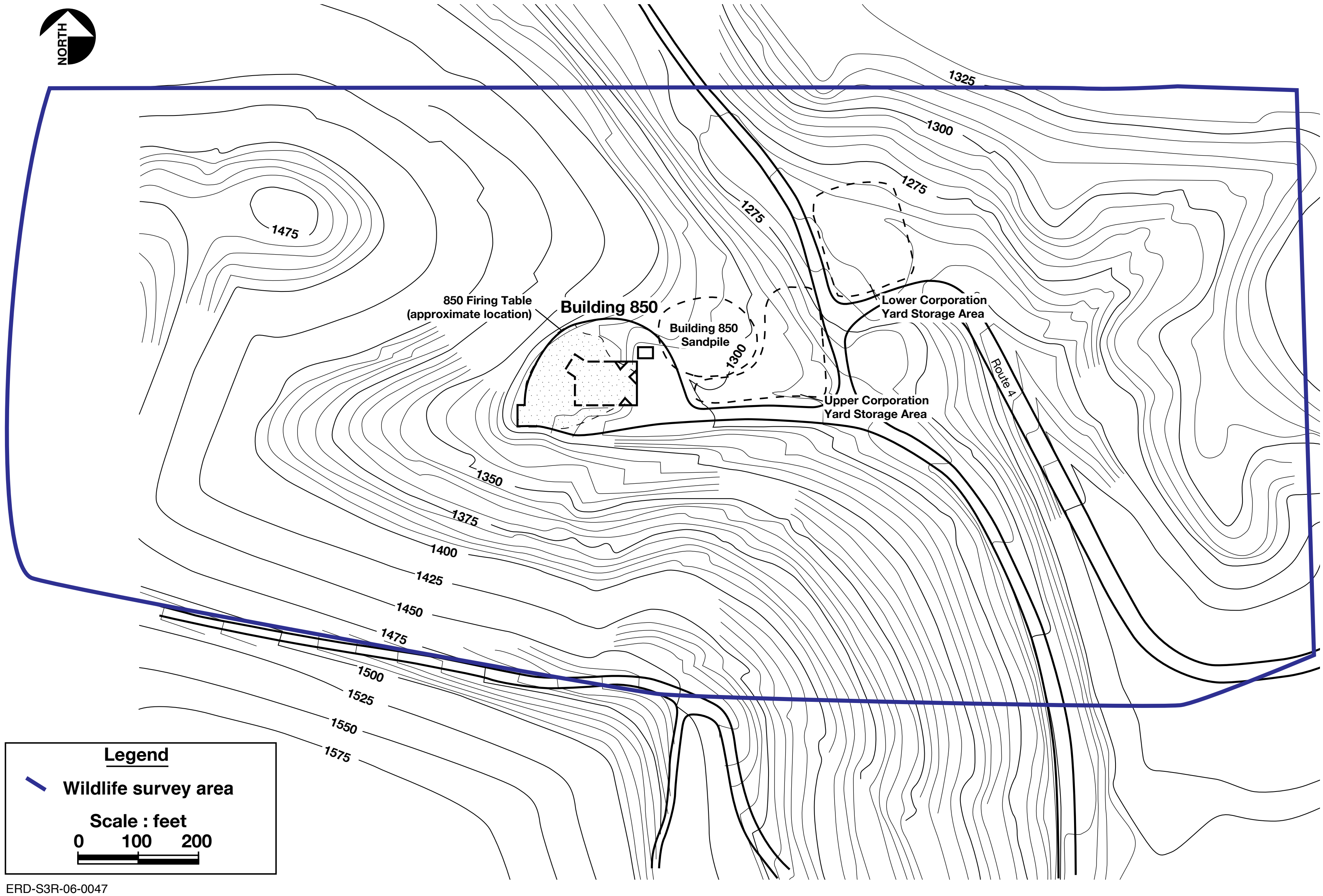


Figure 4.2-1. Area surveyed for important burrowing species at Building 850.

Tables

Table Acronyms and Abbreviations

1,1,1-TCA	1,1,1-trichloroethane
1,1,2-TCA	1,1,2-trichloroethane
1,1-DCA	1,1-dichloroethane
1,2-DCA	1,2-dichloroethane
1,2-DCE	1,2-dichloroethylene
A	Annual
B	Biennial
BBSA	n-Butyl-Benzenesulfonamide
bgs	Below ground surface
BLDG D&D	The building/area was under going decontamination and demolition
BTU	Biotreatment Unit
BUD	Borehole undeclared
CDD	Chlorinated dibenzo-p-dioxin
CDF	Chlorinated dibenzofuran
CFE	Carbon filter effluent
CFI	Carbon filter influent
CFV2	Second vapor phase granular activated carbon filter effluent
CGSA	Central General Services Area
Cis-1,2-DCE	Cis-1,2-dichloroethene
CMP	Compliance Monitoring Plan
COC	Contaminants of Concern
CB	Christy box
DIS	Discretionary sampling of non-required analyte
DISS	Distal south
DMW	Detection monitor well (non-CMP)
DRY	The well was dry.
DSB	Distal Site Boundary
EGSA	Eastern General Services Area
EPA	Environmental Protection Agency
ERD	Environmental Restoration Division
E	Effluent
EV	Effluent vapor
EW	Extraction well
FIRE HAZARD	The well couldn't be accessed due to tall dry grass
FL	Flowing (Artesian) well
ft^3	Cubic feet
g	Gram(s)
GAC	Granular activated carbon
gal	gallon(s)
GSA	General Services Area
GTU	GAC Treatment Unit

GW	Guard well
GWTS	Ground Water Treatment System
H_2O	Water
HEPA	High Explosives Process Area
HMX	High-Melting Explosive
HpCDD	Heptachlorinated dibenzo-p-dioxin
HpCDF	Heptachlorinated dibenzofuran.
HSU	Hydrostratigraphic unit
HxCDD	Hexachlorinated dibenzo-p-dioxin
HxCDF	Hexachlorinated dibenzofuran
I	Influent
IV	Influent vapor
IW	Injection well
μg/L	Micrograms per liter
μmhos/cm	Micro ohms per centimeter
M	Monthly
MCL	Maximum Contaminant Level
MT	Measured twice
ME	Measurement error
mg/L	Milligrams per liter
mg/kg	Milligrams per kilogram
MSL	Mean sea level
MUD	Mud at bottom of casing
MWB	Monitor well used for background
MWPT	Monitor well used for plume tracking
N	No
NC	Non-CMP well/borehole
ND	Analyte not detected
NO_3	Nitrate
NA	Not applicable
NM	Water level not measured
NR	Sample not required
NS	Well not sampled
OCDD	Octachlorodibenzo-p-dioxin
OCDF	Octachlorodibenzofuran
OU	Operable unit
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethylene
PeCDD	Pentachlorinated dibenzo-p-dioxin
PeCDF	Pentachlorinated dibenzofuran
PE	Pump extraction
pCi/L	Picocuries per liter
pg/g	picogram per gram

pH	A measure of the acidity or alkalinity of an aqueous solution
ppb	Parts per billion
ppm $_{v/v}$	Parts per million on a volume-to-volume basis
PRG	Preliminary Remediation Goal
PRX	Proximal
PRXN	Proximal north
PTU	Portable Treatment Unit
PUMPING	The well was being pumped.
Q	Quarterly
RA	Restricted access
RDX	Research Department explosive
S	Semi-annual
SRC	Source
SPR	Spring
STU	Solar-powered Treatment Unit
SVE	Soil Vapor Extraction
TBOS	Tetra-butyl-orthosilicate
TBOS/TKEBS	tetrabutyl ortho silicate/tetrakis (2-ethylbutyl) silane
TCDD	Tetrachlorodibenzo-p-dioxin
TCDF	Tetrachlorodibenzofuran
TCE	Trichloroethylene
TDS	Total dissolved solids
TEF	Toxicity Equivalency Factor.
TF	Treatment facility
TRACER STUDY	The well was part of the Building 834 tracer study.
Trans-1,2-DCE	Trans-1,2-dichloroethene
VE	Vapor effluent
VES	Vapor extraction system
VI	Vapor influent
VOC	Volatile organic compound
V/V	Volume per volume
WGMG	Water Guidance and Monitoring Group
WS	Water supply well
Y	Yes

Requested Analyses

ANIONS = Anions suite performed by various analytical methods.
AS:THISO = Thorium isotopes performed by alpha spectrometry.
AS:UISO = Uranium isotopes performed by alpha spectrometry.
CMPTRIMET = Thorium, uranium, and lithium performed by EPA Method 200.7.
DWMETALS = Drinking water metals suite performed by various analytical methods.

E200.7:Ba = Barium performed by EPA Method 200.7.

E200.7:Be = Beryllium performed by EPA Method 200.7.

E200.7:Cd = Cadmium performed by EPA Method 200.7.

E200.7:Cu = Copper performed by EPA Method 200.7.

E200.7:SiO2 = Silica performed by EPA Method 200.7.

E200.7:Zn = Zinc performed by EPA Method 200.7.

E210.2 = Beryllium performed by EPA Method 210.2.

E218.2 = Chromium performed by EPA Method 218.2.

E239.2 = Lead performed by EPA Method 239.2.

E245.2 = Mercury performed by EPA Method 245.2.

E300.0:NO2 = Nitrite performed by EPA Method 300.0.

E300.0:NO3 = Nitrate performed by EPA Method 300.0.

E300.0:O-PO2 = Orthophosphate performed by EPA Method 300.0.

E300.0:PERC = Perchlorate performed by EPA Method 300.0.

E340.2 = Fluoride performed by EPA method 340.2.

E350.2 = Ammonia nitrogen (as N) performed by EPA Method 350.2

E502.2 = Drinking water volatile organic compounds performed by EPA Method 502.2.

E601 = Halogenated volatile organic compounds performed by EPA Method 601.

E602 = Aromatic volatile organic compounds performed by EPA Method 602.

E624 = Volatile organic compounds performed by EPA Method 624.

E8082A = Polychlorinated biphenyls performed by EPA Method 8082A.

E8330 = High explosive compounds performed by EPA Method 8330.

E8330:R+H = High explosive compounds RDX and HMX performed by EPA Method 8330.

E900 = Gross alpha and beta performed by EPA Method 900.

E906 = Tritium performed by EPA Method 906.

EM8015:DIESEL = Diesel range organic compounds performed by modified EPA Method 8015.

GENMIN = General minerals suite performed by various analytical methods.

GENMINDISS = Dissolved general minerals suite performed by various analytical methods.

MS:THISO = Thorium isotopes performed by mass spectrometry.

MS:UISO = Uranium isotopes performed by mass spectrometry.

NUTRIENTS = Nutrients suite performed by various analytical methods.

T26METALS = Title 26 metals.

TBOS = Tetrabutylorthosilicate.

W8330:LOW = High explosive compounds performed by EPA Method 8330.

WDRE624 = Volatile organic compounds performed by EPA Method 624.

WDRMIN = General minerals suite performed by various analytical methods used by WGMG.

Hydrogeologic Units

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

Data Qualifier Flag Definitions

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

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

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

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

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

I = Surrogate recoveries were outside of QC limits.

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

L = Spike accuracy not within control limits.

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

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

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

U = Compound was analyzed for, but not detected above detection limit.

Table Summ-1. Mass removed, January 1, 2005 through December 31, 2005.

Treatment facility	Volume of ground water treated (thousands of gal)	Volume of soil vapor treated (thousands of ft^3)	Estimated total VOC mass removed (g)	Estimated total perchlorate mass removed (g)	Estimated total nitrate mass removed (kg)	Estimated total RDX mass removed (g)	Estimated total TBOS mass removed (g)
EGSA GWTS	19,329	NA	140	NA	NA	NA	NA
CGSA GWTS	2,253	NA	420	NA	NA	NA	NA
CGSA SVE	NA	7,211	770	NA	NA	NA	NA
B834 GWTS	129	NA	2,400	NA	18	NA	410
B834 SVE	NA	25,792	83,000	NA	NA	NA	NA
B815-SRC GWTS	372	NA	12	28	140	83	NA
B815-PRX GWTS	1,000	NA	120	21	240	NA	NA
B815-DSB GWTS	1,682	NA	54	NA	NA	NA	NA
B817-SRC GWTS	4	NA	0	0.32	1.2	0.54	NA
B817-PRX GWTS	50	NA	1.9	5.5	17	1.6	NA
B829-SRC GWTS	<1	NA	0.029	0.0058	0.10	NA	NA
B854-SRC GWTS	395	NA	250	11	79	NA	NA
B854-SRC SVE	NA	2,927	1,900	NA	NA	NA	NA
B854-PRX GWTS	293	NA	64	14	53	NA	NA
B832-SRC GWTS	150	NA	60	1.8	61	NA	NA
B832-SRC SVE	NA	3,301	280	NA	NA	NA	NA
B830-SRC GWTS	21	NA	220	0.16	9.1	NA	NA
B830-SRC SVE	NA	17	40	NA	NA	NA	NA
B830-PRXN GWTS	415	NA	49	NA	15	NA	NA
B830-DISS GWTS	420	NA	140	7.6	110	NA	NA
Total	26,514	39,248	90,000	89	740	85	410

Notes:

B834 = Building 834.
B815 = Building 815.
B817 = Building 817.
B829 = Building 829.
B854 = Building 854.
B832 = Building 832.
B830 = Building 830.
CGSA = Central General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
EGSA = Eastern General Services Area.
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.
***Nitrate re-injected into the $Tnbs_2$ HSU undergoes in-situ biotransformation to benign N_2 gas by anaerobic denitrifying bacteria.**

Table Summ-2. Summary of cumulative remediation.

Treatment facility	Volume of ground water treated (thousands of gal)	Volume of soil vapor treated (thousands of ft^3)	Estimated total VOC mass removed (kg)	Estimated total perchlorate mass removed (g)	Estimated total nitrate mass removed (kg)	Estimated total RDX mass removed (kg)	Estimated total TBOS mass removed (kg)
EGSA GWTS	277,978	NA	7.1	NA	NA	NA	NA
CGSA GWTS	12,440	NA	14	NA	NA	NA	NA
CGSA SVE	NA	78,283	67	NA	NA	NA	NA
B834 GWTS	389	NA	34	NA	78	NA	9.4
B834 SVE	NA	89,900	250	NA	NA	NA	NA
B815-SRC GWTS	2,087	NA	0.054	150	700	0.57	NA
B815-PRX GWTS	3,160	NA	0.38	70	900	NA	NA
B815-DSB GWTS	5,065	NA	0.14	NA	NA	NA	NA
B817-SRC GWTS	10	NA	0	0.86	3.2	0.0016	NA
B817-PRX GWTS	100	NA	0.0089	5.5	17	0.0016	NA
B829-SRC GWTS	<1	NA	< 0.0001	0.0058	0.10	NA	NA
B854-SRC GWTS	4,145	NA	4.2	96	840	NA	NA
B854-SRC SVE	NA	2,927	1.9	NA	NA	NA	NA
B854-PRX GWTS	1,246	NA	0.39	54	210	NA	NA
B832-SRC GWTS	282	NA	0.094	6.5	130	NA	NA
B832-SRC SVE	NA	15,204	1.7	NA	NA	NA	NA
B830-SRC GWTS	55	NA	0.61	0.77	24	NA	NA
B830-SRC SVE	NA	47	0.18	NA	NA	NA	NA
B830-PRXN GWTS	1,834	NA	0.24	NA	15	NA	NA
B830-DISS GWTS	1,928	NA	0.69	17	470	NA	NA
Total	310,718	186,361	380	400	3,400	0.57	9.4

Notes:

B834 = Building 834.
B815 = Building 815.
B817 = Building 817.
B829 = Building 829.
B854 = Building 854.
B832 = Building 832.
B830 = Building 830.
CGSA = Central General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
ft^3 = cubic feet.
gal = Gallons.

g = grams.
GWTS = Ground water treatment system.
kg = Kilograms.
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.
*Nitrate re-injected into the $Tnbs_2$ HSU undergoes in-situ biotransformation to benign N_2 gas by anaerobic denitrifying bacteria.

Table 2-1. Wells and boreholes installed during 2005.

Well name	Well type	OU	Well/Borehole installation date	HSU	Drill Depth (ft)	Casing depth (ft)	Screened interval (ft-bgs)	Primary COCs	Primary COC sampling frequency	Secondary COCs	Secondary COC sampling frequency
W-834-2113	MWPT	OU2	1/17/05	Tpsg/Tps	40.3	39	33-38	VOCs	S	Nitrate, TBOS/TKEBS	A
W-834-2117	MWPT	OU2	2/3/05	Tpsg/Tps	45	42.5	34.5-41.5	VOCs	S	Nitrate, TBOS/TKEBS	A
B-STS-2127	Borehole	STS	1/4/05	NA	4	NA	NA	NC	NC	NC	NC
B-STS-2128	Borehole	STS	1/4/05	NA	3.5	NA	NA	NC	NC	NC	NC
B-STS-2129	Borehole	STS	1/4/05	NA	10	NA	NA	NC	NC	NC	NC
B-STS-2130	Borehole	STS	1/5/05	NA	18.4	NA	NA	NC	NC	NC	NC
B-855-2107	Borehole[a]	OU6	1/20/05	NA	20	NA	NA	NA	NA	NA	NA
B-855-2108	Borehole[a]	OU6	1/24/05	NA	20	NA	NA	NA	NA	NA	NA
W-815-2110	GW	OU4	3/2/05	Tnbs$_2$	225	206	195-205	VOCs	Q	Perchlorate, Nitrate, RDX	S
W-815-2111	GW	OU4	3/17/05	Tnbs$_2$	180	179	168-178	VOCs	Q	Perchlorate, Nitrate, RDX	S
W-817-2109	IW	OU4	4/28/05	Tnbs$_2$	145	136	95-135	NA	NA	NA	NA
W-832-2112	MWPT	OU7	6/1/05	Tnbs$_1$	325	236	225-235	VOCs	S	Perchlorate, Nitrate	A
W-814-2134	IW	OU4	7/13/05	Tnbs$_2$	225	176	125-165	NA	NA	NA	NA
W-814-2138	MWPT	OU4	7/27/05	Tpsg	110	106	95-105	VOCs	S	Perchlorate, Nitrate	A
W-854-2115	EW[b]	OU6	8/11/05	Tnbs$_1$/Tnsc$_0$	100	170.8	160-170	VOCs	Q[c]	Perchlorate, Nitrate	Q[b]
W-865-2133	GW	B865	8/11/05	Tnbs$_1$	250	138	128-138	NC	NC	NC	NC
W-854-2139	EW[b]	OU6	9/15/05	Tnbs$_1$/Tnsc$_0$	120	120	110-120	VOCs	Q[c]	Perchlorate, Nitrate	Q[b]
W-Pit7-2141	MWPT	OU5 (Pit 7)	10/12/05	Tnbs$_0$	321	309	298-308	NC	NC	NC	NC
W-850-2145	MWPT	OU5	12/6/05	Tnbs$_1$/Tnbs$_0$	230	198.5	188-198	Tritium	S	Perchlorate, Nitrate	A

Notes:

NA = Not applicable.

NC = Non-CMP well/borehole.

STS = Sandia Test Site. Analytical results were reported in the Sandia Test Site Characterization Summary report, December 2005.

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

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

[a] The analytical results were reported in the letter report, *Excavation of polychlorinated biphenyl-contaminated soil at the Building 855 lagoon at Lawrence Livermore National Laboratory (LLNL)* Site 300, September 2005.

[b] Extraction wells for the Building 854-Distal ground water extraction and treatment facility scheduled for startup in 2006.

[c] Extraction wells are sampled per the Substantive Requirements (see treatment facility sampling and analysis plans).

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

Table 2.1-1. Central General Services Area (CGSA) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
CGSA	July	672	672	424	234,346
	August	840	840	524	233,040
	September	672	672	907	237,083
	October	672	672	1,047	255,774
	November	840	840	1,108	357,526
	December	672	672	962	225,620
Total		4,368	4,368	4,972	1,543,389

Table 2.1-2. Eastern General Services Area (EGSA) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
EGSA	July	NA	672	NA	1,095,672
	August	NA	792	NA	1,675,061
	September	NA	672	NA	1,823,142
	October	NA	840	NA	2,284,691
	November	NA	672	NA	1,820,762
	December	NA	696	NA	1,877,397
Total		NA	4,344	NA	10,576,725

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

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CGSA-GWTS-E	7/14/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	8/10/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	9/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	10/11/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-E	12/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CGSA-GWTS-I	7/14/05	14	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	<0.5
CGSA-GWTS-I	10/11/05	24 B	1.3	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	7/19/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	8/9/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	10/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-E	12/6/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-I	7/19/05	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EGSA-GWTS-I	10/12/05	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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

Location	Date	Detection frequency
CGSA-GWTS-E	**7/14/05**	**0 of 19**
CGSA-GWTS-E	**8/10/05**	**0 of 19**
CGSA-GWTS-E	**9/20/05**	**0 of 19**
CGSA-GWTS-E	**10/11/05**	**0 of 19**
CGSA-GWTS-E	**11/1/05**	**0 of 19**
CGSA-GWTS-E	**12/7/05**	**0 of 18**
CGSA-GWTS-I	**7/14/05**	**0 of 19**
CGSA-GWTS-I	**10/11/05**	**0 of 19**
EGSA-GWTS-E	**7/19/05**	**0 of 19**
EGSA-GWTS-E	**8/9/05**	**0 of 19**
EGSA-GWTS-E	**9/7/05**	**0 of 19**
EGSA-GWTS-E	**10/12/05**	**0 of 19**
EGSA-GWTS-E	**11/1/05**	**0 of 19**
EGSA-GWTS-E	**12/6/05**	**0 of 19**
EGSA-GWTS-I	**7/19/05**	**0 of 19**
EGSA-GWTS-I	**10/12/05**	**0 of 19**

Notes:

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

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

Location	Date	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Nitrite (as N) (mg/L)	Nitrite (as NO2) (mg/L)	Sulfate (mg/L)
EGSA-GWTS-E	7/19/05	150 DH	0.31 DH	1.4	5.9	<0.02	<0.06	410 DH
EGSA-GWTS-E	8/9/05	150 BD	0.54 D	2.8	12.2	<0.02	<0.06	400 D
EGSA-GWTS-E	9/7/05	150 D	0.42 D	2.7	11.7	<0.02	<0.06	400 D
EGSA-GWTS-E	10/12/05	150 BD	0.4 D	2.7	11.7	<0.02	<0.06	400 D
EGSA-GWTS-E	11/1/05	160	0.35	2.7	11.7	<0.02	<0.06	380
EGSA-GWTS-E	12/6/05	160	0.4	2.7	11.7	<0.4	<1.3	390
EGSA-GWTS-I	7/19/05	160	0.4	3.5	15	<0.02	<0.065	390
EGSA-GWTS-I	10/12/05	150 BD	0.47 D	2.7	11.7	<0.02	<0.06	400 D

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

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

Location	Date	Aluminum (mg/L)	Arsenic (mg/L)	Selenium (mg/L)
EGSA-GWTS-E	7/19/05	<0.05	<0.002	0.011 D
EGSA-GWTS-E	8/9/05	<0.05	<0.002	0.0042
EGSA-GWTS-E	9/7/05	<0.05	0.0025	<0.008 D
EGSA-GWTS-E	10/12/05	<0.05	0.002	0.0039
EGSA-GWTS-E	11/1/05	<0.05	0.0024	0.0056 L
EGSA-GWTS-E	12/6/05	<0.05	0.0022	0.0056
EGSA-GWTS-I	7/19/05	<0.05	<0.002	0.012 DJ
EGSA-GWTS-I	10/12/05	<0.05	0.0022	0.0066

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

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

Location	Date	Specific conductance (μmhos/cm)
EGSA-GWTS-E	7/19/05	1,700
EGSA-GWTS-E	8/9/05	1,700
EGSA-GWTS-E	9/7/05	1,700
EGSA-GWTS-E	10/12/05	1,700
EGSA-GWTS-E	11/1/05	1,700
EGSA-GWTS-E	12/6/05	1,600
EGSA-GWTS-I	7/19/05	1,700
EGSA-GWTS-I	10/12/05	1,700

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

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

Location	Date	Cyanide (mg/L)
EGSA-GWTS-E	7/19/05	<0.02
EGSA-GWTS-E	8/9/05	<0.02
EGSA-GWTS-E	9/7/05	<0.02
EGSA-GWTS-E	10/12/05	<0.02
EGSA-GWTS-E	11/1/05	<0.02
EGSA-GWTS-E	12/6/05	<0.02
EGSA-GWTS-I	7/19/05	<0.02
EGSA-GWTS-I	10/12/05	<0.02

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

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

Location	Date	Total dissolved solids (TDS) (mg/L)
EGSA-GWTS-E	7/19/05	1,200 D
EGSA-GWTS-E	8/9/05	1,200 D
EGSA-GWTS-E	9/7/05	1,100 D
EGSA-GWTS-E	10/12/05	1,200 DH
EGSA-GWTS-E	11/1/05	1,200 D
EGSA-GWTS-E	12/6/05	1,200 D

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

Table 2.1-9. Central General Services Area VOCs in soil vapor extraction treatment system influent.

Location	Date	TCE ($ppm_{v/v}$)	PCE ($ppm_{v/v}$)	1,1-DCE ($ppm_{v/v}$)	cis-1,2-DCE ($ppm_{v/v}$)
CGSA-SVE-I	7/19/05	<0.02[a]	<0.02	<0.02	<0.02
CGSA-SVE-I	8/17/05	<0.2[a]	<0.2	<0.2	<0.2
CGSA-SVE-I	9/20/05	<0.2[a]	<0.2	<0.2	-
CGSA-SVE-I	10/19/05	<0.2[a]	<0.2	<0.2	-
CGSA-SVE-I	11/10/05	<0.2[a]	<0.2	<0.2	-
CGSA-SVE-I	11/21/05	0.5	<0.2	<0.2	-
CGSA-SVE-I	12/7/05	0.5	<0.2	<0.2	-

Notes:

[a] **Sample line was clogged, results below the detection limit (<0.2) are invalid.**

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

Table 2.1-10. General Services Area treatment facility sampling and analysis plan.

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

Table 2.1-10. General Services Area treatment facility sampling and analysis plan.

Sample location	Sample identification	Parameter	Frequency
Receiving Water Monitoring	3SW-CHC-R1 & R2[a]	VOCs	Quarterly
		pH	Quarterly
		Conductivity	Quarterly
		Dissolved Oxygen	Quarterly
		Nitrate + Nitrite	Quarterly
		Total Aluminum	Quarterly
		Total Selenium	Quarterly
		Total Cyanide	Quarterly
		Total Arsenic	Quarterly
		Fluoride	Quarterly
		Chloride	Quarterly
		Sulfate	Quarterly
		Total Dissolved Solids	Quarterly
		Temperature	Quarterly
		Hardness	Quarterly
		Turbidity	Quarterly
		Visual Observations[b]	Quarterly
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	No Monitoring Requirements	
Effluent Vapor	TF-GSA2-EV	VOCs	Weekly[c]
Intermediate GAC	TF-GSA2-CF4IV	VOCs	Weekly[c]

Notes:

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

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

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

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

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

Table 2.1-11. Central General Services Area ground water sampling and analysis plan.

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

Table 2.1-11. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-7ES	MWPT	Qal	S	CGSA CMP/WGM	E601	1	Y	
W-7ES	MWPT	Qal	S	CGSA CMP/WGM	E601	3	Y	
W-7F	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-7F	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-7G	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-7G	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-7H	MWPT	Qal	S	CGSA CMP	E601	2	Y	
W-7H	MWPT	Qal	S	CGSA CMP	E601	4	Y	
W-7I	EW	$Tnbs_2$	S	CGSA CMP	E601	2	Y	See TF data, CGSA-SRC.
W-71	EW	$Tnbs_2$	B	CGSA CMP	E245.2	4	X	Next sample required 4ndQ 2006. See TF data, CGSA-SRC.
W-7I	EW	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-7J	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-7J	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-7K	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-7K	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-7L	MWPT	$Tnbs_1$	B	CGSA CMP	E200.7:Cu	2	Y	Next sample required 2ndQ 2007.
W-7L	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-7L	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-7M	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-7M	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-7N	MWPT	$Tnbs_1$	B	CGSA CMP	E245.2	2	Y	Next sample required 2ndQ 2007.
W-7N	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-7N	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-7O	EW	Qal	B	CGSA CMP	E200.7:Cu	4	Y	See TF data, CGSA-SRC.
W-7O	EW	Qal	B	CGSA CMP	E200.7:Zn	4	Y	See TF data, CGSA-SRC.
W-7O	EW	Qal	S	CGSA CMP	E601	2	Y	See TF data, CGSA-SRC.
W-7O	EW	Qal	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-7P	MWPT	$Tnbs_1$	Q	CGSA CMP	E601	1	Y	
W-7P	MWPT	$Tnbs_1$	Q	CGSA CMP	E601	2	Y	
W-7P	MWPT	$Tnbs_1$	Q	CGSA CMP	E601	3	Y	
W-7P	MWPT	$Tnbs_1$	Q	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-7PS	MWPT	Qal	Q	CGSA CMP/WGM	E601	1	Y	
W-7PS	MWPT	Qal	Q	CGSA CMP/WGM	E601	2	Y	
W-7PS	MWPT	Qal	Q	CGSA CMP/WGM	E601	3	Y	
W-7PS	MWPT	Qal	Q	CGSA CMP/WGM	E601	4	Y	
W-7Q	MWPT	$Tnbs_2$		DIS	E601	2	Y	
W-7Q	MWPT	$Tnbs_2$		DIS	E601	3	Y	
W-7Q	MWPT	$Tnbs_2$		DIS	E601	4	Y	
W-7R	MWPT	Qal		DIS	E601	2	Y	
W-7R	MWPT	Qal		DIS	E601	3	Y	
W-7R	MWPT	Qal		DIS	E601	4	Y	
W-7S	MWPT	Qal		DIS	E601	2	Y	
W-7S	MWPT	Qal		DIS	E601	3	Y	
W-7S	MWPT	Qal		DIS	E601	4	Y	
W-7T	MWPT	Qal		DIS	E601	2	Y	

Table 2.1-11. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-7T	MWPT	Qal		DIS	E601	3	Y	
W-7T	MWPT	Qal		DIS	E601	4	Y	
W-843-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-843-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-843-02	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-843-02	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-872-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cu	2	Y	Next sample required 2ndQ 2007.
W-872-01	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	Y	Next sample required 2ndQ 2007.
W-872-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-872-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-872-02	EW	$Tnbs_2$	S	CGSA CMP	E601	2	N	Dry. See TF data, CGSA-SRC.
W-872-02	EW	$Tnbs_2$	s	CGSA CMP	E601	4	N	Insufficient water. See TF data, CGSA-SRC.
W-873-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	2	Y	
W-873-01	MWPT	$Tnbs_1$	S	CGSA CMP	E601	4	Y	
W-873-02	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-873-02	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-873-03	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-873-03	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-873-04	MWPT	$Tnsc_1$	B	CGSA CMP	E239.2	2	Y	Next sample required 2ndQ 2005.
W-873-04	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-873-04	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-873-06	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cd	2	Y	Next sample required 2ndQ 2005.
W-873-06	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-873-06	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-873-07	EW	$Tnbs_2$	S	CGSA CMP	E601	2	Y	See TF data, CGSA-SRC.
W-873-07	EW	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cd	2	Y	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Cu	2	Y	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Zn	2	Y	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	Y	Next sample required 2ndQ 2007.
W-875-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-875-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-875-02	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-875-02	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-875-03	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-875-03	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	N	Dry.
W-875-04	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	2	Y	Next sample required 2ndQ 2007.
W-875-04	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-875-04	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-875-05	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-875-05	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-875-06	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-875-06	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-875-07	EW	$Tnbs_2$	B	CGSA CMP	E239.2	3	Y	See TF data, CGSA-SRC.
W-875-07	EW	$Tnbs_2$	S	CGSA CMP	E601	2	Y	See TF data, CGSA-SRC.
W-875-07	EW	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-875-08	EW	$Tnbs_2$	S	CGSA CMP	E601	2	Y	See TF data, CGSA-SRC.
W-875-08	EW	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-875-09	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	Insufficient water.
W-875-09	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	N	Dry.

Table 2.1-11. Central General Services Area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-875-10	MWPT	$Tnbs_2$	B	CGSA CMP	E200.7:Ba	3	N	Insufficient water.
W-875-10	MWPT	$Tnbs_2$	B	CGSA CMP	E239.2	3	N	Insufficient water.
W-875-10	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	Insufficient water. See TF data, CGSA-SRC.
W-875-10	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-875-11	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	Insufficient water. See TF data, CGSA-SRC.
W-875-11	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-875-15	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	N	Insufficient water. See TF data, CGSA-SRC.
W-875-15	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	See TF data, CGSA-SRC.
W-876-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	2	Y	
W-876-01	MWPT	$Tnbs_2$	S	CGSA CMP	E601	4	Y	
W-879-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-879-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-889-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	2	Y	
W-889-01	MWPT	$Tnsc_1$	S	CGSA CMP	E601	4	Y	
W-CGSA-1732	MWPT	Qal		DIS	E601	1	N	Dry.
W-CGSA-1733	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1733	MWPT	Qal		DIS	E601	3	Y	
W-CGSA-1733	MWPT	Qal		DIS	E601	4	Y	
W-CGSA-1735	MWPT	Qal		DIS	E601	1	N	Dry.
W-CGSA-1736	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1736	MWPT	Qal		DIS	E601	4	Y	
W-CGSA-1737	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1737	MWPT	Qal		DIS	E601	4	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	2	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	3	Y	
W-CGSA-1739	MWPT	Qal		DIS	E601	4	Y	

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CDF-1	MWPT	Qal-$Tnsc_0$		CMP/WGMG	E502.2	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CDF-1	MWPT	Qal-$Tnsc_0$		CMP/WGMG	E502.2	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CDF-1	MWPT	Qal-$Tnsc_0$		CMP/WGMG	E502.2	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CDF-1	MWPT	Qal-$Tnsc_0$		CMP/WGMG	E502.2	4	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CDF-1	MWPT	Qal-$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$		CMP/WGMG	E502.2	3	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	3	Y	
CON-1	MWPT	$Tnsc_0$		CMP/WGMG	E502.2	4	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	4	Y	
CON-1	MWPT	$Tnsc_0$		CMP/WGMG	E502.2	1	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	1	Y	
CON-1	MWPT	$Tnsc_0$		CMP/WGMG	E502.2	2	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CON-1	MWPT	$Tnsc_0$	M	CMP/WGMG	E601	2	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	3	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	4	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	1	Y	
CON-2	MWPT	Qal-$Tnsc_0$	Q	CMP/WGMG	E601	2	Y	
W-24P-03	MWPT	Qal	Q	CMP	E601	1	N	Unable to access well, area flooded - unsafe.
W-24P-03	MWPT	Qal	Q	CMP	E601	2	Y	
W-24P-03	MWPT	Qal	Q	CMP	E601	3	Y	
W-24P-03	MWPT	Qal	Q	CMP	E601	4	Y	
W-25D-01	MWPT	Qal	S	CMP	E601	2	Y	
W-25D-01	MWPT	Qal	S	CMP	E601	4	Y	
W-25D-02	MWPT	Qal	S	CMP	E601	2	Y	
W-25D-02	MWPT	Qal	S	CMP	E601	4	Y	
W-25M-01	MWPT	Qal		DIS	E300.0:PERC	2	Y	
W-25M-01	MWPT	Qal		DIS	E300:PERC	4	Y	
W-25M-01	MWPT	Qal	S	CMP	E601	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-25M-01	MWPT	Qal	S	CMP	E601	4	Y	
W-25M-01	MWPT	Qal		DIS	E8330:R+H	2	Y	
W-25M-01	MWPT	Qal		DIS	E8330:R+H	4	Y	
W-25M-01	MWPT	Qal		DIS	NUTRIENTS	2	Y	
W-25M-01	MWPT	Qal		DIS	NUTRIENTS	4	Y	
W-25M-02	MWPT	Qal	S	CMP	E601	2	Y	
W-25M-02	MWPT	Qal	S	CMP	E601	4	Y	
W-25M-03	MWPT	Qal	S	CMP	E601	2	Y	
W-25M-03	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-01	EW	Qal		DIS	E601	1	Y	See TF data, EGSA-SRC.
W-25N-01	EW	Qal	S	CMP	E601	2	Y	See TF data, EGSA-SRC.
W-25N-01	EW	Qal		DIS	E601	3	Y	See TF data, EGSA-SRC.
W-25N-01	EW	Qal	S	CMP	E601	4	Y	See TF data, EGSA-SRC.
W-25N-04	MWPT	Tmss		DIS	ANIONS	2	Y	
W-25N-04	MWPT	Tmss		DIS	ANIONS	4	Y	
W-25N-04	MWPT	Tmss		DIS	E200.7	4	Y	
W-25N-04	MWPT	Tmss		DIS	E200.7:Ba	2	Y	
W-25N-04	MWPT	Tmss		DIS	E300.0:PERC	2	Y	
W-25N-04	MWPT	Tmss		DIS	E300:PERC	4	Y	
W-25N-04	MWPT	Tmss		DIS	E350.2	2	Y	
W-25N-04	MWPT	Tmss		DIS	E350.2	4	Y	
W-25N-04	MWPT	Tmss	S	CMP	E601	2	Y	
W-25N-04	MWPT	Tmss	S	CMP	E601	4	Y	
W-25N-05	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-05	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-06	MWPT	Qal	S	CMP	E601	2	Y	
W-25N-06	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-07	MWPT	Qal	Q	CMP	E601	1	Y	
W-25N-07	MWPT	Qal	Q	CMP	E601	2	Y	
W-25N-07	MWPT	Qal	Q	CMP	E601	3	Y	
W-25N-07	MWPT	Qal	Q	CMP	E601	4	Y	
W-25N-08	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-08	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-09	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-09	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-10	MWPT	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-10	MWPT	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-10	MWPT	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-10	MWPT	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-11	MWPT	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-11	MWPT	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-11	MWPT	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-11	MWPT	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-12	MWPT	$Tnbs_1$	Q	CMP	E601	1	Y	
W-25N-12	MWPT	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-12	MWPT	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-12	MWPT	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-13	MWPT	$Tnbs_1$	Q	CMP	E601	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-25N-13	MWPT	$Tnbs_1$	Q	CMP	E601	2	Y	
W-25N-13	MWPT	$Tnbs_1$	Q	CMP	E601	3	Y	
W-25N-13	MWPT	$Tnbs_1$	Q	CMP	E601	4	Y	
W-25N-15	MWPT	Qal	S	CMP	E601	2	Y	
W-25N-15	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-18	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-18	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-20	MWPT	Qal	S	CMP	E601	2	Y	
W-25N-20	MWPT	Qal	S	CMP	E601	4	Y	
W-25N-21	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-21	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-22	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-22	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-23	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-23	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-24	EW	Qal		DIS	E601	1	Y	See TF data, EGSA-SRC.
W-25N-24	EW	Qal	S	CMP	E601	2	Y	See TF data, EGSA-SRC.
W-25N-24	EW	Qal		DIS	E601	3	Y	See TF data, EGSA-SRC.
W-25N-24	EW	Qal	S	CMP	E601	4	Y	See TF data, EGSA-SRC.
W-25N-25	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-25	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-26	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-26	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-25N-28	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-25N-28	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-01	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	2	Y	
W-26R-01	MWPT	$Tnbs_1$		ERD/WGMG	E601	3	Y	
W-26R-01	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	4	Y	
W-26R-02	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-02	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-03	EW	Qal	S	CMP	E601	1	Y	See TF data, EGSA-SRC.
W-26R-03	EW	Qal		DIS	E601	2	Y	See TF data, EGSA-SRC.
W-26R-03	EW	Qal	S	CMP	E601	3	Y	See TF data, EGSA-SRC.
W-26R-04	MWPT	Qal	S	CMP	E601	2	Y	
W-26R-04	MWPT	Qal		DIS	E601	3	Y	
W-26R-04	MWPT	Qal	S	CMP	E601	4	Y	
W-26R-05	MWPT	Qal	S	CMP/WGMG	E601	2	Y	
W-26R-05	MWPT	Qal		ERD/WGMG	E601	3	Y	
W-26R-05	MWPT	Qal	S	CMP/WGMG	E601	4	Y	
W-26R-06	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-06	MWPT	$Tnbs_1$		DIS	E601	3	Y	
W-26R-06	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-07	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-07	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-08	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-26R-08	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-26R-11	MWPT	Qal	S	CMP	E601	2	N	Pump down.
W-26R-11	MWPT	Qal	S	CMP	E601	4	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-7D	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-7D	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-7DS	MWPT	Qal		ERD/WGMG	E601	1	Y	
W-7DS	MWPT	Qal	S	CMP/WGMG	E601	2	Y	
W-7DS	MWPT	Qal		ERD/WGMG	E601	3	Y	
W-7DS	MWPT	Qal	S	CMP/WGMG	E601	4	Y	

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

Table 2.1-13. Central General Services Area (CGSA) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
CGSA	July	58	31	NA	NA	NA	NA
	August	72	32	NA	NA	NA	NA
	September	120	25	NA	NA	NA	NA
	October	80	31	NA	NA	NA	NA
	November	84	41	NA	NA	NA	NA
	December	73	27	NA	NA	NA	NA
Total		490	190	NA	NA	NA	NA

Table 2.1-14. Eastern General Services Area (EGSA) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
EGSA	July	NA	6.7	NA	NA	NA	NA
	August	NA	10	NA	NA	NA	NA
	September	NA	13	NA	NA	NA	NA
	October	NA	16	NA	NA	NA	NA
	November	NA	12	NA	NA	NA	NA
	December	NA	13	NA	NA	NA	NA
Total		NA	71	NA	NA	NA	NA

Table 2.2-1. Building 834 (B834) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B834	July	571	584	2,610	15,808
	August	708	708	3,661	15,871
	September	579	579	3,225	12,216
	October	670	671	3,832	11,784
	November	778	777	4,629	13,045
	December	338	338	2,109	4,900
Total		3,644	3,657	20,066	73,624

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

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
B834-GWTS-E	7/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B834-GWTS-E	8/2/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B834-GWTS-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B834-GWTS-E	10/11/05	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B834-GWTS-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B834-GWTS-E	12/8/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B834-GWTS-I	7/12/05	4,600 D	89	340 D	0.77	<0.5	1.2	<0.5	<0.5	1.3	<0.5	2	<0.5	<0.5	<0.5
B834-GWTS-I	8/2/2005[a]	4,200 D	46 D	240 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 DJ
B834-GWTS-I	10/11/05	4,000 BD	68	140 D	<0.5 E	<0.5 E	1.1	<0.5	<0.5 E	1	<0.5 E	2.1	0.68	<0.5	<0.5

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

Location	Date	Detection frequency
B834-GWTS-E	7/12/05	0 of 19
B834-GWTS-E	8/2/05	0 of 19
B834-GWTS-E	9/7/05	0 of 19
B834-GWTS-E	10/11/05	0 of 19
B834-GWTS-E	11/1/05	0 of 19
B834-GWTS-E	12/8/05	0 of 19
B834-GWTS-I	7/12/05	0 of 19
B834-GWTS-I	8/2/2005[a]	0 of 19
B834-GWTS-I	10/11/05	0 of 19

Notes:

[a] **Extra influent sample collected.**

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

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

Location	Date	Nitrate (as NO3) (mg/L)
B834-GWTS-E	7/12/05	66
B834-GWTS-E	8/2/05	74
B834-GWTS-E	9/7/05	76
B834-GWTS-E	10/11/05	79
B834-GWTS-E	11/1/05	74
B834-GWTS-E	12/8/05	67
B834-GWTS-I	7/12/05	81
B834-GWTS-I	8/2/2005[a]	87
B834-GWTS-I	10/11/05	96 D

Notes:

[a] **Extra influent sample collected.**

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

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

Location	Date	Diesel range organics (C12-C24) (μg/L)
B834-GWTS-E	7/12/05	<200
B834-GWTS-E	8/2/05	<200
B834-GWTS-E	9/7/05	<200
B834-GWTS-E	10/11/05	<200
B834-GWTS-E	11/1/05	<200
B834-GWTS-E	12/8/05	<200
B834-GWTS-I	7/12/05	<200
B834-GWTS-I	8/2/2005[a]	<200
B834-GWTS-I	10/11/05	<200

Notes:

[a] **Extra influent sample collected.**

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

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

Location	Date	TBOS (μg/L)
B834-GWTS-E	7/12/05	<1
B834-GWTS-E	8/2/05	<1
B834-GWTS-E	9/7/05	<1 D
B834-GWTS-E	10/11/05	5.6 O
B834-GWTS-E	10/20/05 [a]	<1
B834-GWTS-E	11/1/05	<1
B834-GWTS-E	12/8/05	<1
B834-GWTS-I	7/12/05	7.5
B834-GWTS-I	8/2/05	1.5
B834-GWTS-I	9/7/05	7.5
B834-GWTS-I	10/11/05	7.2 O
B834-GWTS-I	10/20/05 [a]	13
B834-GWTS-I	11/1/05	15
B834-GWTS-I	12/8/05	12

Notes:

[a] **Additional TBOS samples were collected in October due to a detection in the October 11, 2005 effluent.**

Monthly influent samples were collected to monitor the effectiveness of floating product removal by the floating hydrocarbon adsorption devices.

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

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

Sample location	Sample identification	Parameter	Frequency
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 Monitoring Requirements**	
Effluent Port	**TF-834-VE**	**VOCs**	**Weekly[a]**
Intermediate GAC	**TF-834-VCF4I**	**VOCs**	**Weekly[a]**

Notes:

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

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

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-1709	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-1709	MWPT	Tpsg		DIS	E300.0:PERC	3	Y	
W-834-1709	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1709	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-1709	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-1711	MWPT	Tps		DIS	DWMETALS	3	Y	
W-834-1711	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-834-1711	MWPT	Tps		DIS	E300.0:PERC	3	Y	
W-834-1711	MWPT	Tps	S	CMP	E601	3	Y	
W-834-1711	MWPT	Tps	S	CMP	E624	1	Y	
W-834-1711	MWPT	Tps	A	CMP	TBOS	1	Y	
W-834-1824	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-1824	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-1824	MWPT	Tpsg		DIS	E601	2	Y	Sample collected under Experiment 3X077.
W-834-1824	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1824	MWPT	Tpsg		DIS	E601	4	Y	
W-834-1824	MWPT	Tpsg		DIS	TBOS	1	N	No samples taken due to tracer study.
W-834-1825	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-1825	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-1825	MWPT	Tpsg		DIS	E601	2	Y	Sample collected under Experiment 3X077.
W-834-1825	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1825	MWPT	Tpsg		DIS	E601	4	Y	
W-834-1825	MWPT	Tpsg	A	CMP	TBOS	1	N	No samples taken due to tracer study.
W-834-1833	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-1833	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-1833	MWPT	Tpsg		DIS	E601	2	Y	Sample collected under Experiment 3X077.
W-834-1833	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-1833	MWPT	Tpsg		DIS	E601	4	Y	
W-834-1833	MWPT	Tpsg	A	CMP	TBOS	1	N	No samples taken due to tracer study.
W-834-2001	MWPT	Tpsg		DIS	DWMETALS	3	Y	
W-834-2001	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-2001	MWPT	Tpsg		DIS	E300.0:PERC	3	Y	
W-834-2001	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-2001	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-2001	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	Y	
W-834-2001	MWPT	Tpsg		DIS	EM8015:DIESEL	3	Y	
W-834-2001	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-2001	MWPT	Tpsg	A	DIS	TBOS	3	Y	
W-834-2113	MWPT	Tpsg		DIS	DWMETALS	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	New Wells for 2005; Well not yet completed.
W-834-2113	MWPT	Tpsg		DIS	E300.0:PERC	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg	S	CMP	E624	1	N	New Wells for 2005; Well not yet completed.
W-834-2113	MWPT	Tpsg		DIS	E624	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg	S	CMP	E624	3	Y	New Wells for 2005.
W-834-2113	MWPT	Tpsg		DIS	E624	4	Y	New Wells for 2005.
W-834-2113	MWPT	Tpsg		DIS	E900	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg		DIS	E906	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg		DIS	GENMINDISS	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg		DIS	MS:UISO	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2113	MWPT	Tpsg	A	CMP	TBOS	3	Y	New Wells for 2005.
W-834-2117	MWPT	Tpsg		DIS	DWMETALS	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2117	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	New Wells for 2005; Well not yet completed.
W-834-2117	MWPT	Tpsg		DIS	E300.0:PERC	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2117	MWPT	Tpsg		DIS	E300.0:PERC	4	Y	New Wells for 2005.
W-834-2117	MWPT	Tpsg	S	CMP	E624	2	Y	New Wells for 2005.
W-834-2117	MWPT	Tpsg		DIS	E624	3	Y	New Wells for 2005.
W-834-2117	MWPT	Tpsg	S	CMP	E624	4	Y	New Wells for 2005.
W-834-2117	MWPT	Tpsg		DIS	E900	2	Y	New Wells for 2005; Baseline Analyses.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-2117	MWPT	Tpsg		DIS	E906	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2117	MWPT	Tpsg		DIS	GENMINDISS	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2117	MWPT	Tpsg		DIS	MS:UISO	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2117	MWPT	Tpsg	A	CMP	TBOS	3	Y	New Wells for 2005.
W-834-2118	MWPT	Tpsg		DIS	DWMETALS	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2118	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	New Wells for 2005; Well not yet completed.
W-834-2118	MWPT	Tpsg		DIS	E300.0:PERC	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2118	MWPT	Tpsg		DIS	E300.0:PERC	4	Y	New Wells for 2005.
W-834-2118	MWPT	Tpsg	S	CMP	E624	2	Y	New Wells for 2005.
W-834-2118	MWPT	Tpsg		DIS	E624	3	Y	New Wells for 2005.
W-834-2118	MWPT	Tpsg	S	CMP	E624	4	Y	New Wells for 2005.
W-834-2118	MWPT	Tpsg		DIS	E900	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2118	MWPT	Tpsg		DIS	E906	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2118	MWPT	Tpsg		DIS	GENMINDISS	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2118	MWPT	Tpsg		DIS	MS:UISO	2	Y	New Wells for 2005; Baseline Analyses.
W-834-2118	MWPT	Tpsg	A	CMP	TBOS	3	Y	New Wells for 2005.
W-834-2119	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Well not yet completed.
W-834-2119	MWPT	Tpsg		DIS	E300.0:PERC	3	Y	New Wells for 2005.
W-834-2119	MWPT	Tpsg	S	CMP	E601	2	Y	New Wells for 2005.
W-834-2119	MWPT	Tpsg		DIS	E624	3	Y	New Wells for 2005.
W-834-2119	MWPT	Tpsg	S	CMP	E624	4	Y	New Wells for 2005.
W-834-2119	MWPT	Tpsg	A	CMP	EM8015:DIESEL	2	Y	New Wells for 2005.
W-834-2119	MWPT	Tpsg	A	CMP	TBOS	2	Y	New Wells for 2005.
W-834-A1	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-834-A1	MWPT	Tps	S	CMP	E601	3	Y	
W-834-A1	MWPT	Tps	S	CMP	E624	1	Y	
W-834-A1	MWPT	Tps	A	CMP	EM8015:DIESEL	1	Y	
W-834-A1	MWPT	Tps	A	CMP	TBOS	1	Y	
W-834-A2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-A2	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-A2	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-A2	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	Y	
W-834-A2	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-B2	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-B2				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-B2	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-B2	EW			DIS	E601	4	Y	See TF data, B834-SRC.
W-834-B2	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-B2	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-B3				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-B3	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-B3	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-B3	EW			DIS	E601	4	Y	See TF data, B834-SRC.
W-834-B3	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-B3	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-B4	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-B4	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-B4	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-B4	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-C2	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-C2	EW	Tpsg	S	CMP	E601	3	N	Insufficient water. See TF data, B834-SRC.
W-834-C2	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-C2	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-C4	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-C4	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-C4	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-C4	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-C5	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-C5	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-C5	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-C5	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	Y	
W-834-C5	MWPT	Tpsg		DIS	GENMIN	1	Y	
W-834-C5	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D10	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-D10	MWPT	Tps	S	CMP	E624	1	Y	
W-834-D10	MWPT	Tps	S	CMP	E624	3	Y	
W-834-D10	MWPT	Tps	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-D10	MWPT	Tps	A	CMP	TBOS	1	N	Insufficient water.
W-834-D11	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D11	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D11	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D11	EW	Tpsg	A	CMP	EM8015:DIESEL	1	Y	See TF data, B834-SRC.
W-834-D11	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D12				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-D12				DIS	E601	4	Y	See TF data, B834-SRC.
W-834-D12	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D12	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D12	EW	Tpsg	S	CMP	E624	3	Y	See TF data, B834-SRC.
W-834-D12	EW	Tpsg	A	CMP	EM8015:DIESEL	1	Y	See TF data, B834-SRC.
W-834-D12	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D13				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-D13				DIS	E601	4	Y	See TF data, B834-SRC.
W-834-D13	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D13	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D13	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D13	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D13	EW	Tpsg	A	CMP	TBOS	3	Y	See TF data, B834-SRC.
W-834-D14	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D14	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D14	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D14	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D15	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-D15	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D15	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-D15	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D16	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D16	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-D16	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-D16	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-D16	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-D17	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-D17	MWPT	Tpsg	S	CMP	E601	1	N	Insufficient water.
W-834-D17	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-D17	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Insufficient water.
W-834-D17	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-D18	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-D18	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-D18	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-D18	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-D2	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D2	MWPT	$Tnbs_1$	A	CMP	E601	1	N	Dry.
W-834-D2	MWPT	$Tnbs_1$	A	CMP	TBOS	1	N	Dry.
W-834-D3	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D3	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D3	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D3	EW	Tpsg	A	CMP	TBOS	3	Y	See TF data, B834-SRC.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-D4				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-D4	EW			DIS	E601	4	Y	See TF data, B834-SRC.
W-834-D4	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D4	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D4	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D4	EW	Tpsg	A	CMP	EM8015:DIESEL	1	Y	See TF data, B834-SRC.
W-834-D4	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D4	EW	Tpsg		DIS	TBOS	3	Y	See TF data, B834-SRC.
W-834-D5	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D5	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D5	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D5	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D5	EW	Tpsg		DIS	TBOS	1	Y	See TF data, B834-SRC.
W-834-D6				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-D6	EW			DIS	E601	4	Y	See TF data, B834-SRC.
W-834-D6	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D6	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-D6	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D6	EW	Tpsg	A	CMP	EM8015:DIESEL	1	Y	See TF data, B834-SRC.
W-834-D6	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D6	EW	Tpsg		DIS	TBOS	3	Y	See TF data, B834-SRC.
W-834-D7				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-D7	EW			DIS	E601	4	Y	See TF data, B834-SRC.
W-834-D7	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-D7	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-D7	EW	Tpsg	S	CMP	E624	3	Y	See TF data, B834-SRC.
W-834-D7	EW	Tpsg	A	CMP	EM8015:DIESEL	1	Y	See TF data, B834-SRC.
W-834-D7	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-D9A	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	N	Dry.
W-834-D9A	MWPT	$Tnbs_2$	A	CMP	E601	1	N	Dry.
W-834-D9A	MWPT	$Tnbs_2$	A	CMP	TBOS	1	N	Dry.
W-834-G3	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-G3	MWPT	Tpsg	A	CMP	E601	1	N	Insufficient water.
W-834-G3	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-H2	EW	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water. See TF data, B834-SRC.
W-834-H2	EW	Tpsg	S	CMP	E601	1	N	Insufficient water. See TF data, B834-SRC.
W-834-H2	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-H2	EW	Tpsg	A	CMP	TBOS	1	N	Insufficient water. See TF data, B834-SRC.
W-834-J1				DIS	E601	2	Y	See TF data, B834-SRC.
W-834-J1				DIS	E601	4	Y	See TF data, B834-SRC.
W-834-J1	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-J1	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-J1	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-J1	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-J2	EW	Tpsg	A	CMP	E300.0:NO3	1	Y	See TF data, B834-SRC.
W-834-J2	EW	Tpsg	S	CMP	E601	3	Y	See TF data, B834-SRC.
W-834-J2	EW	Tpsg	S	CMP	E624	1	Y	See TF data, B834-SRC.
W-834-J2	EW	Tpsg	A	CMP	TBOS	1	Y	See TF data, B834-SRC.
W-834-J3	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-J3	MWPT	Tpsg	S	CMP	E601	1	N	Insufficient water.
W-834-J3	MWPT	Tpsg	S	CMP	E601	3	N	Insufficient water.
W-834-J3	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-K1A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-K1A	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-K1A	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-K1A	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-K1A	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-M1	MWPT	Tpsg		DIS	E218.2	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-M1	MWPT	Tpsg		DIS	E218.2	3	Y	
W-834-M1	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-M1	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-M1	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-M1	MWPT	Tpsg		DIS	GENMIN	1	Y	
W-834-M1	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-M2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-M2	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-M2	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-M2	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S1				DIS	E601	2	Y	
W-834-S1	MWPT	Tpsg		DIS	E218.2	1	Y	
W-834-S1	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S1	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-S1	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-S1	MWPT	Tpsg			E624	4	Y	
W-834-S1	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	Y	
W-834-S1	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S1	MWPT	Tpsg		DIS	TBOS	3	Y	
W-834-S10	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S10	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-S10	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-S10	MWPT	Tpsg	A	CMP	EM8015:DIESEL	1	N	Dry.
W-834-S10	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S12A	MWPT			DIS	E601	2	Y	
W-834-S12A	MWPT			DIS	E624	4	Y	
W-834-S12A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S12A	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-S12A	MWPT	Tpsg	S	CMP	E624	3	Y	
W-834-S12A	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S13	MWPT			DIS	E601	2	Y	
W-834-S13	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-S13	MWPT	Tpsg	S	CMP	E601	1	N	Insufficient water.
W-834-S13	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S13	MWPT	Tpsg		DIS	E601	4	Y	
W-834-S13	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-S4	MWPT	Tpsg		DIS	E218.2	1	Y	
W-834-S4	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S4	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S4	MWPT	Tpsg	S	CMP	E624	1	Y	E624 analyzed.
W-834-S4	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S5	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-S5	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-S5	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-S5	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-S6	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S6	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S6	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-S6	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S7	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-S7	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-S7	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-S7	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-S8	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-834-S8	MWPT	$Tnsc_2$	S	CMP	E624	1	Y	
W-834-S8	MWPT	$Tnsc_2$	S	CMP	E624	3	Y	
W-834-S8	MWPT	$Tnsc_2$	A	CMP	EM8015:DIESEL	1	Y	
W-834-S8	MWPT	$Tnsc_2$	A	CMP	TBOS	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-834-S9	MWPT	$Tnsc_2$		DIS	E218.2	1	Y	
W-834-S9	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-834-S9	MWPT	$Tnsc_2$	S	CMP	E624	1	Y	
W-834-S9	MWPT	$Tnsc_2$	S	CMP	E624	3	Y	
W-834-S9	MWPT	$Tnsc_2$	A	CMP	EM8015:DIESEL	1	Y	
W-834-S9	MWPT	$Tnsc_2$	A	CMP	TBOS	1	Y	
W-834-T1	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-834-T1	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-834-T1	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-834-T1	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-834-T1	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-834-T1	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-834-T1	GW	$Tnbs_1$	S	CMP	TBOS	1	Y	
W-834-T1	GW	$Tnbs_1$	S	CMP	TBOS	3	Y	
W-834-T11	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T11	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T11	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T11	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-T2	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-T2	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-T2	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T2	MWPT	Tpsg	A	CMP	TBOS	1	N	No samples taken due to tracer study.
W-834-T2A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-T2A	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-T2A	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T2A	MWPT	Tpsg	A	CMP	TBOS	1	N	No samples taken due to tracer study.
W-834-T2B	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-T2B	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-T2B	MWPT	Tpsg	S	CMP	E601	3	N	No samples taken due to tracer study.
W-834-T2B	MWPT	Tpsg	A	CMP	TBOS	1	N	No samples taken due to tracer study.
W-834-T2C	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T2C	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T2C	MWPT	Tpsg	S	CMP	E601	3	N	No samples taken due to tracer study.
W-834-T2C	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.
W-834-T2D	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	No samples taken due to tracer study.
W-834-T2D	MWPT	Tpsg	S	CMP	E601	1	Y	Sample collected under Experiment 3X077.
W-834-T2D	MWPT	Tpsg	S	CMP	E601	3	N	No samples taken due to tracer study.
W-834-T2D	MWPT	Tpsg	A	CMP	TBOS	1	N	No samples taken due to tracer study.
W-834-T3	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-834-T3	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-834-T3	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-834-T3	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-834-T3	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-834-T3	GW	$Tnbs_1$	Q	CMP	E624	1	Y	
W-834-T3	GW	$Tnbs_1$	S	CMP	TBOS	1	Y	
W-834-T3	GW	$Tnbs_1$	S	CMP	TBOS	3	Y	
W-834-T5	MWPT	Tpsg	A	CMP	E300.0:NO3	1	Y	
W-834-T5	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T5	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-T5	MWPT	Tpsg	A	CMP	TBOS	1	Y	
W-834-T7A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Insufficient water.
W-834-T7A	MWPT	Tpsg	S	CMP	E601	3	Y	
W-834-T7A	MWPT	Tpsg	S	CMP	E624	1	Y	
W-834-T7A	MWPT	Tpsg	A	CMP	TBOS	1	N	Insufficient water.
W-834-T8A	MWPT	Tpsg	A	CMP	E300.0:NO3	1	N	Dry.
W-834-T8A	MWPT	Tpsg	S	CMP	E601	1	N	Dry.
W-834-T8A	MWPT	Tpsg	S	CMP	E601	3	N	Dry.
W-834-T8A	MWPT	Tpsg	A	CMP	TBOS	1	N	Dry.

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

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

Notes:
Building 834 primary COC: VOCs (E601, 502.2, or E624).
Building 834 secondary COC: Nitrate (E300.0:NO3).
Building 834 secondary COC: TBOS/TKEBS.
Building 834 secondary COC: Diesel.
See Table Acronyms and Abbreviations in the Tables section of this report for acronym and abbreviation definitions.

Table 2.2-8. Building 834 (B834) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B834	July	8,600	100	NA	0.78	NA	71
	August	12,000	100	NA	0.90	NA	71
	September	9,600	80	NA	0.75	NA	46
	October	3,800	240	NA	0.57	NA	49
	November	4,600	270	NA	1.1	NA	55
	December	2,000	100	NA	0.72	NA	20
Total		40,000	900	NA	4.8	NA	310

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

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	3	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW1	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	4	Y	
CARNRW1	WS	Tnbs$_1$/Tmss		CMP/WGMG	E624	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:NO3	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E300.0:PERC	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	3	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E601	4	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	1	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	2	Y	
CARNRW2	WS	Tnbs$_1$/Tmss	M	CMP/WGMG	E906	2	Y	

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

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

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

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
CARNRW4	WS	Qal/Tts	M	CMP	E906	3	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	4	Y	
CARNRW4	WS	Qal/Tts	M	CMP	E906	4	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:NO3	1	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:NO3	2	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:NO3	3	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:NO3	4	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:PERC	1	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:PERC	2	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:PERC	3	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E300.0:PERC	4	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E624	1	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E624	2	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E624	3	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E624	4	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E906	1	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E906	2	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E906	3	Y	
EP6-06*	DMW	Qt/Tnbs$_1$		ERD/WGMG	E906	4	Y	
EP6-07	MWPT	Tnbs$_1$	A	CMP	E300.0:NO3	1	Y	
EP6-07	MWPT	Tnbs$_1$	A	CMP	E300.0:PERC	1	Y	
EP6-07	MWPT	Tnbs$_1$	S	CMP	E601	1	Y	
EP6-07	MWPT	Tnbs$_1$	S	CMP	E601	3	Y	
EP6-07	MWPT	Tnbs$_1$	S	CMP	E906	1	Y	
EP6-07	MWPT	Tnbs$_1$	S	CMP	E906	3	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	1	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	2	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	3	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	4	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	1	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	2	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	3	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	4	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E624	1	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E624	2	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E624	3	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E624	4	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E906	1	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E906	2	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E906	3	Y	
EP6-08*	DMW	Tnbs$_1$		ERD/WGMG	E906	4	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	1	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	2	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	3	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:NO3	4	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	1	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	2	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	3	Y	
EP6-09*	DMW	Tnbs$_1$		ERD/WGMG	E300.0:PERC	4	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E624	1	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E624	3	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E624	4	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
EP6-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K6-01**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K6-01**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K6-01**	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	
K6-01**	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K6-01**	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K6-01**	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K6-01S*	DMW	$Qt/Tnbs^1$		ERD/WGMG	E300.0:NO3	2	Y	
K6-01S*	DMW	$Qt/Tnbs^1$		ERD/WGMG	E300.0:NO3	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	4	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	1	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	2	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	3	Y	
K6-01S*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	4	Y	
K6-03	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	1	Y	
K6-03	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:PERC	1	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	1	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	3	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	1	Y	
K6-03	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	3	Y	
K6-04	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-04	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-04	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-14	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-14	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-14	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-15	MWPT	$Qt/Tnbs_1$	A	CMP/WGMG	E300.0:NO3	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	A	CMP/WGMG	E300.0:PERC	1	N	Dry.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E601	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E601	3	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E906	1	N	Dry.
K6-15	MWPT	$Qt/Tnbs_1$	S	CMP/WGMG	E906	3	N	Dry.
K6-16	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E601	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E601	3	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E906	1	Y	
K6-16	MWPT	$Qt/Tnbs_1$	S	CMP	E906	3	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
K6-17	GW	$Qt/Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	1	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	2	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	3	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E601	4	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	1	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	2	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	3	Y	
K6-17	GW	$Qt/Tnbs_1$	Q	CMP	E906	4	Y	
K6-18	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E601	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E601	3	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E906	1	Y	
K6-18	MWPT	$Qt/Tnbs_1$	S	CMP	E906	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E624	4	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	1	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	2	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	3	Y	
K6-19*	DMW	$Qt/Tnbs_1$		ERD/WGMG	E906	4	Y	
K6-21	MWPT	Qt	A	CMP	E300.0:NO3	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E300.0:PERC	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E601	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E906	1	N	Dry.
K6-21	MWPT	Qt	A	CMP	E601	3	N	Dry.
K6-21	MWPT	Qt	A	CMP	E906	3	N	Dry.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	N	Dry.
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	N	Dry.
K6-22	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	N	Dry.
K6-22	GW	$Tnbs_1$	Q	CMP	E601	1	N	Dry.
K6-22	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	1	N	Dry.
K6-22	GW	$Tnbs_1$	Q	CMP	E906	2	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	3	Y	
K6-22	GW	$Tnbs_1$	Q	CMP	E906	4	Y	
K6-23	MWPT	Tmss	A	CMP	E300.0:NO3	1	Y	
K6-23	MWPT	Tmss	A	CMP	E300.0:PERC	1	Y	
K6-23	MWPT	Tmss	S	CMP	E601	1	Y	
K6-23	MWPT	Tmss	S	CMP	E601	3	Y	
K6-23	MWPT	Tmss	S	CMP	E906	1	Y	
K6-23	MWPT	Tmss	S	CMP	E906	3	Y	
K6-24	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-24	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-24	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-25	MWPT	Tmss	A	CMP	E300.0:NO3	1	Y	
K6-25	MWPT	Tmss	A	CMP	E300.0:PERC	1	Y	
K6-25	MWPT	Tmss	S	CMP	E601	1	Y	
K6-25	MWPT	Tmss	S	CMP	E601	3	Y	
K6-25	MWPT	Tmss	S	CMP	E906	1	Y	
K6-25	MWPT	Tmss	S	CMP	E906	3	Y	
K6-26	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-26	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-26	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-27	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-27	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-27	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-32	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	1	Y	
K6-32	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:PERC	1	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	1	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E601	3	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	1	Y	
K6-32	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	3	Y	
K6-33	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-33	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K6-33	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-33	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
K6-34	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	1	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	2	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	3	Y	
K6-34	GW	$Tnbs_1$	Q	CMP	E906	4	Y	
K6-35	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
K6-35	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E906	1	Y	
K6-35	MWPT	$Tnbs_1$	S	CMP	E906	3	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E624	1	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E624	3	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E624	4	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K6-36*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
SPRING15	SPR	Qt	A	CMP	E300.0:NO3	1	N	Dry.
SPRING15	SPR	Qt	A	CMP	E300.0:PERC	1	N	Dry.
SPRING15	SPR	Qt	A	CMP	E601	1	N	Dry.
SPRING15	SPR	Qt	A	CMP	E906	1	N	Dry.
SPRING8	SPR	Qt		DIS	DWMETALS	4	Y	
SPRING8	SPR	Qt		DIS	E210.2	4	Y	
SPRING8	SPR	Qt		DIS	E300.0:PERC	4	Y	
SPRING8	SPR	Qt		DIS	E601	4	Y	
SPRING8	SPR	Qt		DIS	E8330:R+H	4	Y	
SPRING8	SPR	Qt		DIS	E906	4	Y	
W-33C-01	MWPT	Tts	A	CMP	E300.0:NO3	1	Y	
W-33C-01	MWPT	Tts	A	CMP	E300.0:PERC	1	Y	

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

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

Notes:

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

**** = K6-01 TO BE SAMPLED QUARTERLY IF K6-01S IS DRY.**

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

Pit 6 primary COC: tritium (E906).

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

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

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

Table 2.4-1. Building 815-Source (B815-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B815-SRC	July	NA	620	NA	33,259
	August	NA	658	NA	35,436
	September	NA	473	NA	24,722
	October	NA	656	NA	30,272
	November	NA	566	NA	28,023
	December	NA	587	NA	24,201
Total		NA	3,560	NA	175,913

Table 2.4-2. Building 815-Proximal (B815-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B815-PRX	July	NA	655	NA	83,571
	August	NA	822	NA	100,890
	September	NA	662	NA	76,033
	October	NA	751	NA	84,213
	November	NA	678	NA	78,416
	December	NA	689	NA	77,931
Total		NA	4,257	NA	501,054

Table 2.4-3. Building 815-Distal Site Boundary (B815-DSB) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B815-DSB	July	NA	671	NA	160,717
	August	NA	848	NA	202,203
	September	NA	666	NA	158,411
	October	NA	840	NA	179,429
	November	NA	678	NA	160,125
	December	NA	718	NA	169,311
Total		NA	4,421	NA	1,030,196

Table 2.4-4. Building 817-Source (B817-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B817-SRC	July	NA	14	NA	312
	August	NA	19	NA	389
	September	NA	12	NA	260
	October	NA	13	NA	263
	November	NA	18	NA	339
	December	NA	11	NA	198
Total		NA	87	NA	1,761

Table 2.4-5. Building 817-Proximal (B817-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B817-PRX	September	NA	12	NA	1,083
	October	NA	75	NA	2,878
	November	NA	695	NA	28,453
	December	NA	699	NA	17,728
Total		NA	1,481	NA	50,142

Table 2.4-6. Building 829-Source (B829-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B829-SRC	August	NA	2	NA	6
	September	NA	0	NA	0
	October	NA	16	NA	101
	November	NA	23	NA	124
	December	NA	8	NA	52
Total		NA	49	NA	283

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

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
B815-DSB-E	7/13/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-E	8/9/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-E	10/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-E	12/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-I	7/13/05	9.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-DSB-I	10/12/05	9.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-E	7/21/05	<0.5	<0.5	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-E	8/9/05	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-E	10/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-E	12/6/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-I	7/21/05	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-PRX-I	10/12/05	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	7/13/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	8/9/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	10/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	12/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	12/8/05 [a]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-E	12/14/05 [a]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-I	7/13/05	7.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.91	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-I	10/12/05	7.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.95	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-I	12/8/05 [a]	5.3	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5 E	<0.5	0.81	<0.5	<0.5	<0.5	<0.5	<0.5
B815-SRC-I	12/14/05 [a]	4.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5

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

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
B817-PRX-E	9/21/05[b]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-PRX-E	9/28/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-PRX-E	10/24/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-PRX-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-PRX-E	12/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-PRX-I	9/21/05	13 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-PRX-I	10/24/05	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-E	7/13/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-E	8/23/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-E	9/8/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-E	10/5/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-E	11/2/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-E	12/6/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-I	7/13/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B817-SRC-I	10/5/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-E	10/20/05[c]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-E	11/3/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-E	12/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-I	8/18/05	61	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-I	8/22/05[d]	57	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-I	8/23/05[d]	65	<0.5	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-I	8/24/05[d]	63	<0.5	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B829-STU07-I	10/20/05	26	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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

Location	Date	Detection frequency	Methylene chloride (µg/L)
B815-DSB-E	**7/13/05**	**0 of 19**	**-**
B815-DSB-E	**8/9/05**	**0 of 19**	**-**
B815-DSB-E	**9/7/05**	**0 of 19**	**-**
B815-DSB-E	**10/12/05**	**0 of 19**	**-**
B815-DSB-E	**11/1/05**	**0 of 19**	**-**
B815-DSB-E	**12/1/05**	**0 of 18**	**-**
B815-DSB-I	**7/13/05**	**0 of 19**	**-**
B815-DSB-I	**10/12/05**	**0 of 19**	**-**
B815-PRX-E	**7/21/05**	**0 of 19**	**-**
B815-PRX-E	**8/9/05**	**0 of 19**	**-**
B815-PRX-E	**9/7/05**	**0 of 19**	**-**
B815-PRX-E	**10/12/05**	**0 of 19**	**-**
B815-PRX-E	**11/1/05**	**0 of 19**	**-**
B815-PRX-E	**12/6/05**	**0 of 19**	**-**
B815-PRX-I	**7/21/05**	**0 of 19**	**-**
B815-PRX-I	**10/12/05**	**0 of 19**	**-**
B815-SRC-E	**7/13/05**	**0 of 19**	**-**
B815-SRC-E	**8/9/05**	**0 of 19**	**-**
B815-SRC-E	**9/7/05**	**0 of 19**	**-**
B815-SRC-E	**10/12/05**	**0 of 19**	**-**
B815-SRC-E	**11/1/05**	**0 of 19**	**-**
B815-SRC-E	**12/1/05**	**0 of 18**	**-**
B815-SRC-E	**12/8/05**	**0 of 19**	**-**
B815-SRC-E	**12/14/05**	**0 of 19**	**-**
B815-SRC-I	**7/13/05**	**0 of 19**	**-**
B815-SRC-I	**10/12/05**	**0 of 19**	**-**
B815-SRC-I	**12/8/05**	**0 of 19**	**-**
B815-SRC-I	**12/14/05**	**0 of 19**	**-**

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

Location	Date	Detection frequency	Methylene chloride (µg/L)
B817-PRX-E	9/21/05	1 of 19	1.8
B817-PRX-E	9/28/05	0 of 19	-
B817-PRX-E	10/24/05	0 of 19	-
B817-PRX-E	11/1/05	0 of 19	-
B817-PRX-E	12/1/05	0 of 18	-
B817-PRX-I	9/21/05	0 of 19	-
B817-PRX-I	10/24/05	0 of 18	-
B817-SRC-E	7/13/05	0 of 19	-
B817-SRC-E	8/23/05	0 of 19	-
B817-SRC-E	9/8/05	0 of 19	-
B817-SRC-E	10/5/05	0 of 19	-
B817-SRC-E	11/2/05	0 of 19	-
B817-SRC-E	12/6/05	0 of 19	-
B817-SRC-I	7/13/05	0 of 19	-
B817-SRC-I	10/5/05	0 of 19	-
B829-STU07-E	10/20/05	0 of 19	-
B829-STU07-E	11/3/05	0 of 19	-
B829-STU07-E	12/7/05	0 of 19	-
B829-STU07-I	8/18/05	0 of 19	-
B829-STU07-I	8/22/05	0 of 19	-
B829-STU07-I	8/23/05	0 of 19	-
B829-STU07-I	8/24/05	0 of 19	-
B829-STU07-I	10/20/05	0 of 19	-

Notes:

[a] **Additional December influent and effluent samples collected due to extraction wellfield expansion to W-815-04 and injection well hookup.**

[b] **B817-PRX was started on September 21, 2005.**

[c] **B829-SRC was started on August 18, 2005, however, due to low flow and initial extraction well pump problems, there was no effluent water available until October.**

[d] **Additional samples collected during August as part of startup testing.**

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

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

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
B815-DSB-E	7/13/05	<0.5	-[a]
B815-DSB-E	8/9/05	<0.5	-
B815-DSB-E	9/7/05	<0.5	<4
B815-DSB-E	10/12/05	<0.5	-
B815-DSB-E	11/1/05	<0.5	-
B815-DSB-E	12/1/05	<0.5	-
B815-DSB-I	7/13/05	<0.5	-
B815-DSB-I	10/12/05	<0.5	-
B815-PRX-E	7/21/05	73	<4
B815-PRX-E	8/9/05	75	<4
B815-PRX-E	9/7/05	74	<4
B815-PRX-E	10/12/05	72	<4
B815-PRX-E	11/1/05	87	<4
B815-PRX-E	12/6/05	82	<4
B815-PRX-I	7/21/05	80	5.5
B815-PRX-I	10/12/05	78	7.7
B815-SRC-E	7/13/05	110 D	4
B815-SRC-E	7/27/05[b]	-	<4
B815-SRC-E	8/9/05	93 D	<4
B815-SRC-E	9/7/05	110 D	5.9
B815-SRC-E	10/12/05	97 D	<4
B815-SRC-E	11/1/05	96 D	<4
B815-SRC-E	12/1/05	99 D	<4
B815-SRC-E	12/8/05[c]	95 D	<4
B815-SRC-E	12/14/05[c]	85	<4
B815-SRC-I	7/13/05	100 D	19
B815-SRC-I	10/12/05	95 D	20
B815-SRC-I	12/8/05[c]	97 D	15
B815-SRC-I	12/14/05[c]	97 D	19
B817-PRX-E	9/21/05[d]	<1 D	<4
B817-PRX-E	9/28/05[d]	<0.5	<4
B817-PRX-E	10/24/05	<0.5	<4
B817-PRX-E	11/1/05	<0.5	<4
B817-PRX-E	12/1/05	78	<4
B817-PRX-I	9/21/05	89 D	26
B817-PRX-I	10/24/05	91 D	29

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

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
B817-SRC-E	7/13/05	<0.5	<4
B817-SRC-E	8/23/05	8.3	<4
B817-SRC-E	9/8/05	<1 D	<4
B817-SRC-E	10/5/05	7.9	<4
B817-SRC-E	11/2/05	10	<4
B817-SRC-E	12/6/05	11	<4
B817-SRC-I	7/13/05	94 D	19
B817-SRC-I	10/5/05	88	22
B829-SRC-E	10/20/05[e]	<0.5	<4
B829-SRC-E	11/3/05	<0.5 E	<80 D
B829-SRC-E	12/7/05	<0.5	<20 D
B829-SRC-E	12/14/05[f]	-	<20 D
B829-SRC-I	8/18/05	95	6.2
B829-SRC-I	8/22/05[g]	100	5.8
B829-SRC-I	8/23/05[g]	50	4
B829-SRC-I	8/24/05[g]	110	9.3
B829-SRC-I	10/20/05	98	5.4

Notes:

[a] **B830-DSB does not require perchlorate sampling and analysis.**

[b] **July 28, 2005 resample due to perchlorate detection in July 13, 2005 effluent sample.**

[c] **Additional December influent and effluent samples collected due to extraction wellfield expansion to W-815-04 and injection well hookup.**

[d] **B817-PRX was started on September 21, 2005. Additional September sample collected as part of startup testing.**

[e] **B829-SRC was started on August 18, 2005, however, due to low flow and initial extraction well pump problems, there was no effluent water available until October.**

[f] **Additional December sample collected due to matrix interference that caused the reporting limit to be increased. The matrix interference may have been caused by salts bleeding off the new ion-exchange resin.**

[g] **Additional samples collected during August as part of startup testing.**

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

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

Location	Date	HMX (μg/L)	RDX (μg/L)
B815-PRX-E	7/21/05	<3	<3
B815-PRX-E	8/9/05	<3.8	<3.8
B815-PRX-E	9/7/05	<5	<5
B815-PRX-E	10/12/05	<5	<5
B815-PRX-E	11/1/05	<5 D	<5 D
B815-PRX-E	12/6/05	<5	<5
B815-PRX-I	7/21/05	<3.1	<3.1
B815-PRX-I	10/12/05	<5	<5
B815-SRC-E	7/13/05	<3.8	<3.8
B815-SRC-E	8/9/05	<4.1	<4.1
B815-SRC-E	9/7/05	<5	<5
B815-SRC-E	10/12/05	<5	<5
B815-SRC-E	11/1/05	<5 D	<5 D
B815-SRC-E	12/1/05	<5	<5
B815-SRC-E	12/8/05 [a]	<5	<5
B815-SRC-E	12/14/05[a]	<5	<5
B815-SRC-I	7/13/05	5.4	55
B815-SRC-I	10/12/05	5.2	57
B815-SRC-I	12/8/05 [a]	6.9	74
B815-SRC-I	12/14/05[a]	8.1	71
B817-SRC-E	7/13/05	<3.3	<3.3
B817-SRC-E	8/23/05	<4	<4
B817-SRC-E	9/8/05	<5	<5
B817-SRC-E	10/5/05	<5	<5
B817-SRC-E	11/2/05	<5	<5
B817-SRC-E	12/6/05	<5	<5
B817-SRC-I	7/13/05	12	32
B817-SRC-I	10/5/05	14	35

Notes:

[a] **Additional December influent and effluent samples collected due to extraction wellfield expansion to W-815-04 and injection well hookup.**

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

Table 2.4-10. 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**
		HE Compounds	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU02-E**	**VOCs**	**Monthly**
		HE Compounds	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
B815-PRX GWTS			
Influent Port	**GTU06-I**	**VOCs**	**Quarterly**
		Nitrate	**Quarterly**
		HE Compounds	**Quarterly**
		Perchlorate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU06-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		HE Compounds	**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 2.4-10 (Cont.). High Explosive Process Area OU treatment facility sampling and analysis plans.

Sample location	Sample identification	Parameter	Frequency
B817-SRC GWTS			
Influent Port	**W-817-01-STU10-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		HE Compounds	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU10-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		HE Compounds	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
B817-PRX GWTS			
Influent Port	**GTU08-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		HE Compounds	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**GTU08-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		HE Compounds	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
B829-SRC GWTS			
Influent Port	**W-829-06-STU07-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU07-E**	**VOCs**	**Monthly**
Effluent Port	**BTU04-E**	**Perchlorate**	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**

Notes:

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

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:NO3	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E300.0:PERC	4	Y	
GALLO1	WS	$Tnbs_2$		CMP/WGMG	E502.2	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E601	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	1	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	2	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	3	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	4	Y	
GALLO1	WS	$Tnbs_2$	M	CMP/WGMG	E8330:R+H	4	Y	
SPRING14	SPR	$Tnbs_2$	B	CMP	E300.0:NO3	1	Y	Next sample required 1ndQ 2007.
SPRING14	SPR	$Tnbs_2$	B	CMP	E300.0:PERC	1	Y	Next sample required 1ndQ 2007.
SPRING14	SPR	$Tnbs_2$	B	CMP	E601	1	Y	Next sample required 1ndQ 2007.
SPRING14	SPR	$Tnbs_2$	B	CMP	E8330:R+H	1	Y	Next sample required 1ndQ 2007.
SPRING5	SPR	Tps	A	CMP	E300.0:NO3	1	N	Dry.
SPRING5	SPR	Tps	A	CMP	E300.0:PERC	1	N	Dry.
SPRING5	SPR	Tps	S	CMP	E601	1	N	Dry.
SPRING5	SPR	Tps	S	CMP	E601	3	N	Dry.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
SPRING5	SPR	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-35B-01	GW	Qal	S	CMP	E300.0:NO3	1	Y	
W-35B-01	GW	Qal	S	CMP	E300.0:NO3	3	Y	
W-35B-01	GW	Qal	S	CMP	E300.0:PERC	1	Y	
W-35B-01	GW	Qal	S	CMP	E300.0:PERC	3	Y	
W-35B-01	GW	Qal	Q	CMP	E601	1	Y	
W-35B-01	GW	Qal	Q	CMP	E601	2	Y	
W-35B-01	GW	Qal	Q	CMP	E601	3	Y	
W-35B-01	GW	Qal	Q	CMP	E601	4	Y	
W-35B-01	GW	Qal	S	CMP	E8330:R+H	1	Y	
W-35B-01	GW	Qal	S	CMP	E8330:R+H	3	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-02	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-02	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-03	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-03	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-04	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-04	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-35B-05	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-35B-05	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-35C-01	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-35C-01	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-35C-01	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-35C-02	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-35C-02	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-35C-02	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-35C-02	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
W-35C-02	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-35C-04	EW	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	See TF data, B815-DSB.
W-35C-04	EW	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	See TF data, B815-DSB.
W-35C-04	EW	$Tnbs_2$	S	CMP	E601	1	Y	See TF data, B815-DSB.
W-35C-04	EW	$Tnbs_2$	S	CMP	E601	3	Y	See TF data, B815-DSB.
W-35C-04	EW	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	See TF data, B815-DSB.
W-35C-05	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-35C-05	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-35C-05	MWPT	Tps	S	CMP	E601	1	Y	
W-35C-05	MWPT	Tps	S	CMP	E601	3	Y	
W-35C-05	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-35C-06	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-35C-06	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-35C-06	MWPT	Qal	S	CMP	E601	1	Y	
W-35C-06	MWPT	Qal	S	CMP	E601	3	Y	
W-35C-06	MWPT	Qal	A	CMP	E8330:R+H	1	Y	
W-35C-07	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-35C-07	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-35C-07	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-35C-07	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-35C-07	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-35C-08	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-35C-08	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-35C-08	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-35C-08	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-35C-08	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	Y	
W-4A	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	Y	
W-4A	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	Y	
W-4A	MWPT	$Tnsc_2$	S	CMP	E601	1	Y	
W-4A	MWPT	$Tnsc_2$	S	CMP	E601	3	Y	
W-4A	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	N	Control box malfunctioned.
W-4AS	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-4AS	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-4AS	MWPT	Tps	S	CMP	E601	1	Y	
W-4AS	MWPT	Tps	S	CMP	E601	3	Y	
W-4AS	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-4B	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-4B	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-4B	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-4B	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-4B	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:NO3	1	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:NO3	3	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:PERC	1	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	S	CMP	E300.0:PERC	3	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	Q	CMP	E601	1	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	Q	CMP	E601	2	X	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	Q	CMP	E601	3	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	Q	CMP	E601	4	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	S	CMP	E8330:R+H	1	Y	Changed to GW 2ndQ 2005.
W-4C	GW	$Tnsc_1$	S	CMP	E8330:R+H	3	Y	Changed to GW 2ndQ 2005.
W-6BD	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-6BD	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-6BD	MWPT	Tps	S	CMP	E601	1	Y	

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

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-6I	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-6I	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-6I	MWPT	Tps	S	CMP	E601	1	Y	
W-6I	MWPT	Tps	S	CMP	E601	3	Y	
W-6I	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-6J	GW	$Tnbs_2$	Q	CMP	E601	4	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-6J	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	
W-6K	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6K	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6K	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-6K	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6K	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-6L	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-6L	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-6L	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-6L	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-6L	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-806-06A	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	1	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$		DIS	E300.0:NO3	2	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	1	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$		DIS	E300.0:PERC	2	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$	B	CMP	E601	1	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$		DIS	E601	2	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$	B	CMP	E8330:R+H	1	Y	Next sample required 1ndQ 2007.
W-806-06A	MWB	$Tnsc_1$		DIS	E8330:R+H	2	Y	Next sample required 1ndQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E300.0:NO3	1&2	N	Dry. Next sample required 1ndQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E300.0:PERC	1&2	N	Dry. Next sample required 1ndQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E601	1&2	N	Dry. Next sample required 1ndQ 2007.
W-806-07	MWB	$Tnbs_2$	B	CMP	E8330:R+H	1&2	N	Dry. Next sample required 1ndQ 2007.
W-808-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-808-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-808-01	MWPT	Tps	S	CMP	E601	1	Y	
W-808-01	MWPT	Tps	S	CMP	E601	3	Y	
W-808-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-808-02	MWPT	$Tnsc_2$	A	CMP	E300.0:NO3	1	N	Dry.
W-808-02	MWPT	$Tnsc_2$	A	CMP	E300.0:PERC	1	N	Dry.
W-808-02	MWPT	$Tnsc_2$	S	CMP	E601	1	N	Dry.
W-808-02	MWPT	$Tnsc_2$	S	CMP	E601	3	N	Dry.
W-808-02	MWPT	$Tnsc_2$	A	CMP	E8330:R+H	1	N	Dry.
W-808-03	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-808-03	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-808-03	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-808-03	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
W-808-03	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-809-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-809-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-809-01	MWPT	Tps	S	CMP	E601	1	Y	
W-809-01	MWPT	Tps	S	CMP	E601	3	Y	
W-809-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-809-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-809-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-809-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-809-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-809-02	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-809-03	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-809-03	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-809-03	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-809-03	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-809-03	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-809-04	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-809-04	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-809-04	MWPT	Tps	S	CMP	E601	1	Y	
W-809-04	MWPT	Tps	S	CMP	E601	3	Y	
W-809-04	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-810-01	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-810-01	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-810-01	MWPT	$Tnbs_1$	S	CMP	E601	1	Y	
W-810-01	MWPT	$Tnbs_1$	S	CMP	E601	3	Y	
W-810-01	MWPT	$Tnbs_1$	A	CMP	E8330:R+H	1	Y	
W-814-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-814-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-814-01	MWPT	Tps	S	CMP	E601	1	Y	
W-814-01	MWPT	Tps	S	CMP	E601	3	Y	
W-814-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-814-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-814-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-814-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-814-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-814-02	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-814-03	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-814-03	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-814-03	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-814-03	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-814-03	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:NO3	1	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:NO3	3	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:PERC	1	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	S	CMP	E300.0:PERC	3	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	1	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	2	X	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	3	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	Q	CMP	E601	4	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	S	CMP	E8330:R+H	1	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-04	GW	$Tnsc_1$	S	CMP	E8330:R+H	3	Y	Changed from a MWPT to GW 2ndQ 2005.
W-814-2134	IW	$Tnbs_2$		DIS	DWMETALS	3	Y	B815-PRX injection well.
W-814-2134	IW	$Tnbs_2$		DIS	E200.7:SI	3	Y	B815-PRX injection well.
W-814-2134	IW	$Tnbs_2$		DIS	E624	3	Y	B815-PRX injection well.
W-814-2134	IW	$Tnbs_2$		DIS	E900	3	Y	B815-PRX injection well.
W-814-2134	IW	$Tnbs_2$		DIS	E906	3	Y	B815-PRX injection well.
W-814-2134	IW	$Tnbs_2$		DIS	GENMINDISS	3	Y	B815-PRX injection well.
W-814-2134	IW	$Tnbs_2$		DIS	MS:UISO	3	Y	B815-PRX injection well.
W-815-01	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-815-01	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-815-01	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-815-01	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-815-01	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-815-02	EW	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	See TF data, B815-SRC.
W-815-02	EW	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	See TF data, B815-SRC.
W-815-02	EW	$Tnbs_2$	S	CMP	E601	1	Y	See TF data, B815-SRC.
W-815-02	EW	$Tnbs_2$	S	CMP	E601	3	Y	See TF data, B815-SRC.
W-815-02	EW	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	See TF data, B815-SRC.
W-815-03	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Dry.
W-815-03	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Dry.
W-815-03	MWPT	Tps	S	CMP	E601	1	N	Dry.
W-815-03	MWPT	Tps	S	CMP	E601	3	N	Dry.
W-815-03	MWPT	Tps	A	CMP	E8330:R+H	1	N	Dry.
W-815-04	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-815-04	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-815-04	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-815-04	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-815-04	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-815-05	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-815-05	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-815-05	MWPT	Tps	S	CMP	E601	1	Y	
W-815-05	MWPT	Tps	S	CMP	E601	3	Y	
W-815-05	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-815-06	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-815-06	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-815-06	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-815-06	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-815-06	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-815-07	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	N	Insufficient water to collect sample.
W-815-07	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	N	Insufficient water to collect sample.
W-815-07	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-815-07	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-815-07	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	N	Insufficient water to collect sample.
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	1	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	2	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	3	Y	
W-815-08	GW	$Tnbs_1$	Q	CMP	E601	4	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E8330:R+H	1	Y	
W-815-08	GW	$Tnbs_1$	S	CMP	E8330:R+H	3	Y	
W-815-1918	IW	$Tnbs_2$		DIS	DWMETALS	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	DWMETALS	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E300.0:NO3	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E300.0:NO3	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E300.0:PERC	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E300.0:PERC	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E624	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E624	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E900	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E900	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E906	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	E906	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	GENMINDISS	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	GENMINDISS	4	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	MS:UISO	3	Y	B815-SRC injection well.
W-815-1918	IW	$Tnbs_2$		DIS	MS:UISO	4	Y	B815-SRC injection well.
W-815-1928	MWPT	Tps	A	CMP	E300.0:NO3	1	N	Insufficient water to collect sample.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-815-1928	MWPT	Tps	A	CMP	E300.0:PERC	1	N	Insufficient water to collect sample.
W-815-1928	MWPT	Tps	S	CMP	E601	1	N	Insufficient water to collect sample.
W-815-1928	MWPT	Tps	S	CMP	E601	3	Y	
W-815-1928	MWPT	Tps	A	CMP	E8330:R+H	1	N	Insufficient water to collect sample.
W-815-2110	GW	$Tnbs_2$		DIS	DWMETALS	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$		DIS	E200.7:SI	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$	Q	CMP	E624	3	Y	To be changed to E601.
W-815-2110	GW	$Tnbs_2$		DIS	E8330:R+H	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$		DIS	E900	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$		DIS	E906	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$		DIS	GENMINDISS	3	Y	Gallo1 Guard Well.
W-815-2110	GW	$Tnbs_2$		DIS	MS:UISO	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	DWMETALS	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E200.7:SI	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E300.0:NO3	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E300.0:PERC	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E624	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E8330:R+H	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E900	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	E906	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	GENMINDISS	3	Y	Gallo1 Guard Well.
W-815-2111	GW	$Tnbs_2$		DIS	MS:UISO	3	Y	Gallo1 Guard Well.
W-817-01	EW	$Tnbs_2$	S	CMP/WGMG	E300.0:NO3	1	Y	See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	S	CMP/WGMG	E300.0:NO3	3	Y	See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	S	CMP/WGMG	E300.0:PERC	1	Y	See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	S	CMP/WGMG	E300.0:PERC	3	Y	See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	Q	CMP/WGMG	E601	1	Y	WDRE624 analyzed. See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	Q	CMP/WGMG	E601	2	Y	See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	Q	CMP/WGMG	E601	3	Y	WDRE624 analyzed. See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	Q	CMP/WGMG	E601	4	Y	WDRE624 analyzed. See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	S	CMP/WGMG	E8330:R+H	1	Y	W8330:LOW analyzed. See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$	S	CMP/WGMG	E8330:R+H	3	Y	W8330:LOW analyzed. See TF data, B817-SRC.
W-817-01	EW	$Tnbs_2$		ERD/WGMG	W8330:LOW	4	Y	See TF data, B817-SRC.
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	E300.0:NO3	1	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	E300.0:PERC	1	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	E601	1	Y	WDRE624 analyzed.
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	E8330:R+H	1	Y	W8330:LOW analyzed.
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	2	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	3	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	4	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	2	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	3	Y	
W-817-02*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	4	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	E300.0:NO3	1	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	E300.0:PERC	1	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	E601	1	Y	WDRE624 analyzed.
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	E8330:R+H	1	Y	W8330:LOW analyzed.
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	2	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	3	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	4	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	2	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	3	Y	
W-817-03*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	4	Y	
W-817-03A	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-817-03A	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-817-03A	MWPT	Tps	S	CMP	E601	1	Y	
W-817-03A	MWPT	Tps	S	CMP	E601	3	Y	
W-817-03A	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	E300.0:NO3	1	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	E300.0:PERC	1	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	E601	1	Y	WDRE624 analyzed.
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	E8330:R+H	1	Y	W8330:LOW analyzed.
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	2	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	3	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	W8330:LOW	4	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	2	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	3	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	WDRE624	4	Y	
W-817-04*	DMW	$Tnbs_2$		ERD/WGMG	WDRMIN	4	Y	
W-817-05	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-817-05	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-817-05	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
W-817-05	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-817-05	MWPT	$Tnsc_1$	A	CMP	E8330:R+H	1	Y	
W-817-06A	IW	$Tnbs_2$	A	CMP	E300.0:NO3	1	N	B817-SRC injection well.
W-817-06A	IW	$Tnbs_2$	A	CMP	E300.0:PERC	1	N	B817-SRC injection well.
W-817-06A	IW	$Tnbs_2$	S	CMP	E601	1	N	B817-SRC injection well.
W-817-06A	IW	$Tnbs_2$	S	CMP	E601	3	N	B817-SRC injection well.
W-817-06A	IW	$Tnbs_2$	A	CMP	E8330:R+H	1	N	B817-SRC injection well.
W-817-07	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-817-07	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-817-07	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-817-07	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-817-07	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-817-2109	IW	$Tnbs_2$		DIS	DWMETALS	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E200.7:SI	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E300.0:NO3	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E300.0:PERC	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E624	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E8330:R+H	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E900	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	E906	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	GENMINDISS	3	Y	B817-PRX injection well.
W-817-2109	IW	$Tnbs_2$		DIS	MS:UISO	3	Y	B817-PRX injection well.
W-818-01	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-01	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-01	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-01	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-01	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-03	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-03	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-03	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-03	MWPT	$Tnbs_2$	S	CMP	E601	3	N	Unable to access due to grass fire hazard.
W-818-03	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-04	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-04	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-04	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-04	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-04	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-06	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-06	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-06	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-818-06	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-06	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-07	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-07	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-07	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-07	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-07	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-818-08	EW	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	See TF data, B815-PRX.
W-818-08	EW	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	See TF data, B815-PRX.
W-818-08	EW	$Tnbs_2$	S	CMP	E601	1	Y	See TF data, B815-PRX.
W-818-08	EW	$Tnbs_2$	S	CMP	E601	3	Y	See TF data, B815-PRX.
W-818-08	EW	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	See TF data, B815-PRX.
W-818-09	EW	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	See TF data, B815-PRX.
W-818-09	EW	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	See TF data, B815-PRX.
W-818-09	EW	$Tnbs_2$	S	CMP	E601	1	Y	See TF data, B815-PRX.
W-818-09	EW	$Tnbs_2$	S	CMP	E601	3	Y	See TF data, B815-PRX.
W-818-09	EW	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	See TF data, B815-PRX.
W-818-11	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-818-11	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-818-11	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-818-11	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-818-11	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-819-02	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-819-02	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-819-02	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
W-819-02	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-819-02	MWPT	$Tnsc_1$	A	CMP	E8330:R+H	1	Y	
W-823-01	MWPT	Tps	A	CMP	E300.0:NO3	1	Y	
W-823-01	MWPT	Tps	A	CMP	E300.0:PERC	1	Y	
W-823-01	MWPT	Tps	S	CMP	E601	1	Y	
W-823-01	MWPT	Tps	S	CMP	E601	3	Y	
W-823-01	MWPT	Tps	A	CMP	E8330:R+H	1	Y	
W-823-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-823-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-823-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-823-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-823-02	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-823-03	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-823-03	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-823-03	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-823-03	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-823-03	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-823-13	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-823-13	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-823-13	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-823-13	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-823-13	MWPT	$Tnbs_2$	A	CMP	E8330:R+H	1	Y	
W-827-01	MWB	$Tnbs_2$	B	CMP	E300.0:NO3	1	N	Dry. Next sample required 1ndQ 2007.
W-827-01	MWB	$Tnbs_2$	B	CMP	E300.0:PERC	1	N	Dry. Next sample required 1ndQ 2007.
W-827-01	MWB	$Tnbs_2$	B	CMP	E601	1	N	Dry. Next sample required 1ndQ 2007.
W-827-01	MWB	$Tnbs_2$	B	CMP	E8330:R+H	1	N	Dry. Next sample required 1ndQ 2007.
W-827-02	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	1	Y	Next sample required 1ndQ 2005.
W-827-02	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	1	Y	Next sample required 1ndQ 2005.
W-827-02	MWB	$Tnsc_1$	B	CMP	E601	1	Y	Next sample required 1ndQ 2005.
W-827-02	MWB	$Tnsc_1$	B	CMP	E8330:R+H	1	Y	Next sample required 1ndQ 2005.
W-827-03	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	1	N	Pump down. Next sample required 1ndQ 2005.
W-827-03	MWB	$Tnsc_1$	B	CMP	E300.0:NO3	3	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-827-03	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	1	N	Pump down. Next sample required 1ndQ 2005.
W-827-03	MWB	$Tnsc_1$	B	CMP	E300.0:PERC	3	Y	
W-827-03	MWB	$Tnsc_1$	B	CMP	E601	1	N	Pump down. Next sample required 1ndQ 2005.
W-827-03	MWB	$Tnsc_1$	B	CMP	E601	3	Y	
W-827-03	MWB	$Tnsc_1$	B	CMP	E8330:R+H	1	N	Pump down. Next sample required 1ndQ 2005.
W-827-05	MWB	$Tnsc_1$	B	CMP	E8330:R+H	3	Y	
W-827-05	MWPT	$Tnbs_1$	S	CMP	E300.0:NO3	1	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	S	CMP	E300.0:NO3	3	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	S	CMP	E300.0:PERC	1	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	S	CMP	E300.0:PERC	3	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	Q	CMP	E601	1	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	Q	CMP	E601	2	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	Q	CMP	E601	3	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	Q	CMP	E601	4	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	S	CMP	E8330:R+H	1	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-827-05	MWPT	$Tnbs_1$	S	CMP	E8330:R+H	3	Y	No longer HEBP DMW; Replaced by W-829-1938.
W-829-06	DMW	$Tnsc_1$		CMP	E300.0:PERC	1	Y	No longer a WGMG well, to be converted to extraction well.
W-829-06	DMW	$Tnsc_1$		CMP	E601	1	Y	No longer a WGMG well, to be convert to extraction well.
W-829-06	DMW	$Tnsc_1$		CMP	E300.0:NO3	3	Y	No longer a WGMG well, to be converted to extraction well.
W-829-06	DMW	$Tnsc_1$		CMP	E601	3	Y	No longer a WGMG well, to be convert to extraction well.
W-829-06	DMW	$Tnsc_1$		CMP	E8330:R+H	3	Y	No longer a WGMG well, to be converted to extraction well.
W-829-08	DMW	$Tnsc_1$		CMP	E300.0:NO3	3	Y	No longer a WGMG well, to be converted to injection well.
W-829-08	DMW	$Tnsc_1$		CMP	E300.0:PERC	3	Y	No longer a WGMG well, to be converted to injection well.
W-829-08	DMW	$Tnsc_1$		CMP	E601	1	Y	No longer a WGMG well, to be converted to injection well.
W-829-08	DMW	$Tnsc_1$		CMP	E601	3	Y	No longer a WGMG well, to be converted to injection well.
W-829-08	DMW	$Tnsc_1$		CMP	E8330:R+H	3	N	No longer a WGMG well, to be converted to injection well.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E624	1	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E624	3	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E624	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	1	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	2	Y	
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	3	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-15**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E624	1	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E624	3	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E624	4	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	1	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	2	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	3	Y	
W-829-1938**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	4	Y	
W-829-1940	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-829-1940	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-829-1940	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
W-829-1940	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-829-1940	MWPT	$Tnsc_1$	A	CMP	E8330:R+H	1	Y	
W-829-1940	MWPT	$Tnsc_1$		DIS	E900	4	Y	
W-829-1940	MWPT	$Tnsc_1$		DIS	E906	4	Y	
W-829-1940	MWPT	$Tnsc_1$		DIS	MS:UISO	4	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E624	1	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E624	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E624	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	1	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	2	Y	
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	3	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-829-22**	DMW	$Tnbs_1$		ERD/WGMG	E8330:R+H	4	N	Sample frequency changed from quarterly to annual. Next sample required 2nd Q 2006.
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:NO3	1	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:NO3	3	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:PERC	1	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:PERC	3	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	1	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	2	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	3	Y	
W-880-01	GW	$Tnbs_2$	Q	CMP	E601	4		
W-880-01	GW	$Tnbs_2$	S	CMP	E8330:R+H	1	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E8330:R+H	3	Y	

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

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

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

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

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

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

Notes:

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).

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

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

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

Table 2.4-12. Building 815-Source (B815-SRC) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B815-SRC	July	NA	1.0	2.4	13	6.9	NA
	August	NA	1.1	2.5	13	7.4	NA
	September	NA	0.78	1.8	9.2	5.2	NA
	October	NA	1.0	2.3	11	6.5	NA
	November	NA	0.93	2.1	10	6.1	NA
	December	NA	0.66	1.6	8.8	5.9	NA
Total		NA	5.5	13	65	38	NA

Notes:

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

Table 2.4-13. Building 815-Proximal (B815-PRX) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B815-PRX	July	NA	8.5	1.5	19	NA	NA
	August	NA	10	1.9	23	NA	NA
	September	NA	7.6	1.4	17	NA	NA
	October	NA	8.2	1.5	19	NA	NA
	November	NA	7.9	1.4	18	NA	NA
	December	NA	7.9	1.4	17	NA	NA
Total		NA	50	9.2	110	NA	NA

Notes:

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

Table 2.4-14. Building 815-Distal Site Boundary (B815-DSB) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B815-DSB	July	NA	5.1	NA	NA	NA	NA
	August	NA	6.3	NA	NA	NA	NA
	September	NA	4.9	NA	NA	NA	NA
	October	NA	5.8	NA	NA	NA	NA
	November	NA	5.2	NA	NA	NA	NA
	December	NA	5.5	NA	NA	NA	NA
Total		NA	33	NA	NA	NA	NA

Table 2.4-15. Building 817-Source (B817-SRC) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B817-SRC	July	NA	0	0.025	0.11	0.046	NA
	August	NA	0	0.032	0.13	0.061	NA
	September	NA	0	0.022	0.086	0.040	NA
	October	NA	0	0.023	0.088	0.037	NA
	November	NA	0	0.031	0.11	0.048	NA
	December	NA	0	0.018	0.066	0.028	NA
Total		NA	0	0.15	0.59	0.26	NA

Notes:

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

Table 2.4-16. Building 817-Proximal (B817-PRX) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B817-PRX	September	NA	0.053	0.12	0.37	0.033	NA
	October	NA	0.094	0.31	0.99	0.088	NA
	November	NA	1.1	3.1	9.8	0.89	NA
	December	NA	0.67	1.9	6.1	0.55	NA
Total		NA	1.9	5.5	17	1.6	NA

Notes:

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

Table 2.4-17. Building 829-Source (B829-SRC) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B829-SRC	August	NA	0.0014	0.00013	0.0021	NA	NA
	September	NA	0	0	0	NA	NA
	October	NA	0.0099	0.0021	0.038	NA	NA
	November	NA	0.012	0.0025	0.046	NA	NA
	December	NA	0.0051	0.0011	0.019	NA	NA
Total		NA	0.029	0.0058	0.10	NA	NA

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	1	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	1	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	2	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	3	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	3	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	4	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	4	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-01C*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:THISO	1	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:UISO	1	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:NO3	1	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:PERC	1	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E906	1	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:THISO	2	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:UISO	2	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:NO3	2	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:PERC	2	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E624	2	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E906	2	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:THISO	3	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:UISO	3	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:NO3	3	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:PERC	3	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E601	3	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E906	3	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:THISO	4	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	AS:UISO	4	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:NO3	4	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E300.0:PERC	4	Y	
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-02B*	DMW	$Tnbs_0$		ERD/WGMG	E906	4	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	1	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	1	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	2	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	3	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	3	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	4	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	4	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-03*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:THISO	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:UISO	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:NO3	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:PERC	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E906	1	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:THISO	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:UISO	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:NO3	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:PERC	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E624	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E906	2	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:THISO	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:UISO	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:NO3	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:PERC	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E601	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E906	3	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:THISO	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	AS:UISO	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:NO3	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E300.0:PERC	4	Y	
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-04*	DMW	$Tnbs_1/Tnbs_0$		ERD/WGMG	E906	4	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	1	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	1	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	2	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	3	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	3	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	4	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	4	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-05*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K1-06	DMW	$Tnbs_1$		DIS	E601	1	Y	
K1-06	DMW	$Tnbs_1$		DIS	E906	1	Y	
K1-06	DMW	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K1-06	DMW	$Tnbs_1$	S	CMP	E906	2	Y	
K1-06	DMW	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
K1-06	DMW	$Tnbs_1$	S	CMP	E906	4	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	1	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	1	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	2	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	3	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	3	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	4	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	4	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-07*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	1	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	1	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	2	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	3	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	3	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	4	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	4	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-08*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	1	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	1	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	1	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	1	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E601	1	Y	E624 was analyzed.
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	1	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	2	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	2	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E624	2	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	2	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	3	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	3	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	3	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	3	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E601	3	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	3	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:THISO	4	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	AS:UISO	4	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:NO3	4	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E601	4	Y	E624 was analyzed.
K1-09*	DMW	$Tnbs_1$		ERD/WGMG	E906	4	Y	
K2-03	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K2-03	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
K2-03	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
K2-03	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
K2-04D	MWPT	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K2-04D	MWPT	$Tnbs_1$		ERD/WGMG	E200.7:SI02	2	Y	
K2-04D	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-04D	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K2-04D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
K2-04D	MWPT	$Tnbs_1$		ERD/WGMG	GENMIN	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K2-04D	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
K2-04D	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K2-04D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
K2-04D	MWPT	$Tnbs_1$		ERD/WGMG	MS:UISO	4	Y	
K2-04S	MWPT	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
K2-04S	MWPT	$Tnbs_1$		ERD/WGMG	E200.7:SI02	2	Y	
K2-04S	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-04S	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
K2-04S	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
K2-04S	MWPT	$Tnbs_1$		ERD/WGMG	GENMIN	2	Y	
K2-04S	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
K2-04S	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
K2-04S	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
NC2-05	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-05	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-05	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-05	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-05	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-05	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-05A	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-05A	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-05A	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-05A	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-05A	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-05A	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-05A	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-06	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-06	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-06	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-06	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-06	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-06	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-06	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-06A	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-06A	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-06A	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-06A	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-06A	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-06A	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-06A	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-06A	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
NC2-09	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-09	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-09	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-09	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-09	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-09	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-10	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-10	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-10	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-10	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC2-10	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-10	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-11D	MWPT	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$		ERD/WGMG	E200.7:SI02	2	Y	
NC2-11D	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
NC2-11D	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
NC2-11D	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
NC2-11D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
NC2-11D	MWPT	$Tnbs_1$		ERD/WGMG	GENMIN	2	Y	
NC2-11D	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
NC2-11D	MWPT	$Tnbs_1$		ERD/WGMG	MS:UISO	4	Y	
NC2-11D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
NC2-11I	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-11I	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-11I	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-11I	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-11I	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-11I	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-11S	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-11S	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-11S	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-11S	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-12D	MWPT	$Tnbs_1$		ERD/WGMG	AS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$		ERD/WGMG	E200.7:SI02	2	Y	
NC2-12D	MWPT	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
NC2-12D	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	2	Y	
NC2-12D	MWPT	$Tnbs_1$		ERD/WGMG	E300.0:PERC	4	Y	
NC2-12D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	2	Y	
NC2-12D	MWPT	$Tnbs_1$		ERD/WGMG	GENMIN	2	Y	
NC2-12D	MWPT	$Tnbs_1$	A	CMP/WGMG	MS:UISO	2	Y	
NC2-12D	MWPT	$Tnbs_1$		ERD/WGMG	MS:UISO	4	Y	
NC2-12D	MWPT	$Tnbs_1$	S	CMP/WGMG	E906	4	Y	
NC2-12I	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-12I	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-12I	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-12I	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-12I	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-12I	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-12S	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-12S	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-12S	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-12S	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-13	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-13	MWPT	$Tnbs_1$		DIS	E601	2	Y	
NC2-13	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-13	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-13	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-14S	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-14S	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-14S	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-14S	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-14S	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC2-14S	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-14S	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-15	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Laboratory unable to analyze samples.
NC2-15	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Laboratory unable to analyze samples.
NC2-15	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Laboratory unable to analyze samples.
NC2-15	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-16	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-16	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-16	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC2-16	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-16	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-16	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-16	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-17	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Laboratory unable to analyze samples.
NC2-17	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Laboratory unable to analyze samples.
NC2-17	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Laboratory unable to analyze samples.
NC2-17	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-18	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Laboratory unable to analyze samples.
NC2-18	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	N	Laboratory unable to analyze samples.
NC2-18	MWPT	$Tnbs_1$	A	CMP	E906	2	N	Laboratory unable to analyze samples.
NC2-18	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Laboratory unable to analyze samples.
NC2-18	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-19	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-19	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-19	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-19	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-19	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-19	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC2-20	MWPT	$Tnbs_0$		DIS	E200.7:SI02	2	Y	
NC2-20	MWPT	$Tnbs_0$	A	CMP	E300.0:NO3	2	Y	
NC2-20	MWPT	$Tnbs_0$	S	CMP	E906	2	Y	
NC2-20	MWPT	$Tnbs_0$		DIS	GENMIN	2	Y	
NC2-20	MWPT	$Tnbs_0$	A	CMP	MS:UISO	2	Y	
NC2-20	MWPT	$Tnbs_0$	S	CMP	E906	4	Y	
NC2-21	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC2-21	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-21	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC2-21	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-21	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC2-21	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-10	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-10	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-10	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-10	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-10	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-10	MWPT	$Tnbs_1$	A	DIS	MS:UISO	2	Y	
NC7-10	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$		DIS	GENMIN	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	A	DIS	MS:UISO	2	Y	
NC7-11	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-14	MWPT	$Qal/Tnbs_1$	A	CMP	MS:UISO	2	N	Insufficient water to collect sample.
NC7-14	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	N	Dry.
NC7-15	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-15	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-15	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-15	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-15	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-15	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-15	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-19	MWPT	$Qal/Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	S	CMP	E906	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$		DIS	GENMIN	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-19	MWPT	$Qal/Tnbs_1$	S	CMP	E906	4	Y	
NC7-27	MWPT	$Tnsc_0$		DIS	E200.7:SI02	2	Y	
NC7-27	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
NC7-27	MWPT	$Tnsc_0$		DIS	E300.0:PERC	2	Y	
NC7-27	MWPT	$Tnsc_0$	S	CMP	E906	2	Y	
NC7-27	MWPT	$Tnsc_0$		DIS	GENMIN	2	Y	
NC7-27	MWPT	$Tnsc_0$	A	CMP	MS:UISO	2	Y	
NC7-27	MWPT	$Tnsc_0$	S	CMP	E906	4	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-28	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	E300.0:PERC	4	Y	
NC7-28	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-28	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-28	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-28	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-29	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-29	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-29	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-29	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-29	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-29	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-29	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-43	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-43	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-43	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-43	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-43	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-43	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-43	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-44	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-44	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-44	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-44	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-44	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-44	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-44	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-45	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Bent casing.
NC7-45	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Bent casing.
NC7-45	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Bent casing.
NC7-45	MWPT	$Tnbs_1$	S	CMP	E906	4	N	Bent casing.
NC7-46	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-46	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-46	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-46	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-46	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-46	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-46	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-54	MWPT	Qal		DIS	E200.7:SI02	2	Y	
NC7-54	MWPT	Qal	A	CMP	E300.0:NO3	2	Y	
NC7-54	MWPT	Qal		DIS	E300.0:PERC	2	Y	
NC7-54	MWPT	Qal	S	CMP	E906	2	Y	
NC7-54	MWPT	Qal		DIS	GENMIN	2	Y	
NC7-54	MWPT	Qal	A	CMP	MS:UISO	2	Y	
NC7-54	MWPT	Qal	S	CMP	E906	4	Y	
NC7-54	MWPT	Qal		DIS	MS:UISO	4	Y	
NC7-55	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Bent casing.
NC7-55	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Bent casing.
NC7-55	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Bent casing.
NC7-55	MWPT	$Tnbs_1$	S	CMP	E906	4	N	Bent casing.
NC7-56	MWPT	Qal/$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	S	CMP	E906	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-56	MWPT	Qal/$Tnbs_1$	S	CMP	E906	4	Y	
NC7-57	MWPT	Qal	A	CMP	E300.0:NO3	2	N	Dry.
NC7-57	MWPT	Qal	S	CMP	E906	2	N	Dry.
NC7-57	MWPT	Qal	A	CMP	MS:UISO	2	N	Dry.
NC7-57	MWPT	Qal	S	CMP	E906	4	N	Dry.
NC7-58	MWPT	Qal		DIS	E200.7:SI02	2	Y	
NC7-58	MWPT	Qal	A	CMP	E300.0:NO3	2	Y	
NC7-58	MWPT	Qal		DIS	E300.0:PERC	2	Y	
NC7-58	MWPT	Qal	S	CMP	E906	2	Y	
NC7-58	MWPT	Qal		DIS	GENMIN	2	Y	
NC7-58	MWPT	Qal	A	CMP	MS:UISO	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-58	MWPT	Qal	S	CMP	E906	4	Y	
NC7-59	MWPT	Qal/$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-59	MWPT	Qal/$Tnbs_1$	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	CMP	E906	2	Y	
NC7-59	MWPT	Qal/$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-59	MWPT	Qal/$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-59	MWPT	Qal/$Tnbs_1$	S	CMP	E906	4	Y	
NC7-60	MWPT	$Tnbs_0$		DIS	DWMETALS	2	Y	
NC7-60	MWPT	$Tnbs_0$		DIS	E200.7:SI02	2	Y	
NC7-60	MWPT	$Tnbs_0$	A	CMP	E300.0:NO3	2	Y	
NC7-60	MWPT	$Tnbs_0$		DIS	E300.0:PERC	2	Y	
NC7-60	MWPT	$Tnbs_0$	S	CMP	E906	2	Y	
NC7-60	MWPT	$Tnbs_0$		DIS	GENMIN	2	Y	
NC7-60	MWPT	$Tnbs_0$	A	CMP	MS:UISO	2	Y	
NC7-60	MWPT	$Tnbs_0$	S	CMP	E906	4	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	AS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	E200.7:SI02	2	Y	
NC7-61	MWPT	$Tnbs_0$	A	CMP/WGMG	E300.0:NO3	2	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	E300.0:PERC	2	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	E300.0:NO3	4	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	E300.0:PERC	4	Y	
NC7-61	MWPT	$Tnbs_0$	S	CMP/WGMG	E906	2	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	GENMIN	2	Y	
NC7-61	MWPT	$Tnbs_0$	A	CMP/WGMG	MS:UISO	2	Y	
NC7-61	MWPT	$Tnbs_0$		ERD/WGMG	E601	4	Y	
NC7-61	MWPT	$Tnbs_0$	S	CMP/WGMG	E906	4	Y	
NC7-62	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-62	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-62	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-62	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-62	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-62	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-62	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	AS:UISO	2	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	E200.7:SI02	2	Y	
NC7-69	MWPT	Tmss	A	CMP/WGMG	E300.0:NO3	2	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	E300.0:PERC	2	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	E601	2	Y	
NC7-69	MWPT	Tmss	S	CMP/WGMG	E906	2	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	GENMIN	2	Y	
NC7-69	MWPT	Tmss	A	CMP/WGMG	MS:UISO	2	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	E300.0:PERC	4	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	MS:UISO	4	Y	
NC7-69	MWPT	Tmss		ERD/WGMG	E601	4	Y	
NC7-69	MWPT	Tmss	S	CMP/WGMG	E906	4	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	MS:UISO	1	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-70	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-70	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
NC7-70	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-70	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-70	MWPT	$Tnbs_1$		DIS	MS:UISO	4	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-71	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-71	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-71	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-71	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-71	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-72	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-72	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-72	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-72	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-72	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-72	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-72	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-73	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
NC7-73	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC7-73	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
NC7-73	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
NC7-73	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
NC7-73	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
NC7-73	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
NC7-76	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Laboratory unable to analyze samples.
NC7-76	MWPT	$Tnbs_1$	S	CMP	E906	2	N	Laboratory unable to analyze samples.
NC7-76	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	N	Laboratory unable to analyze samples.
NC7-76	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$		DIS	E200.7:SI02	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	S	CMP	E906	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$		DIS	GENMIN	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	A	CMP	MS:UISO	2	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	S	DIS	E906	3	Y	
SPRING24	SPR	$Tnbs_0/Tnbs_1$	S	CMP	E906	4	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	E200.7:SI02	2	Y	
W-850-05	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	E300.0:PERC	2	Y	
W-850-05	MWPT	$Tnbs_1$	S	CMP	E906	2	Y	
W-850-05	MWPT	$Tnbs_1$		DIS	GENMIN	2	Y	
W-850-05	MWPT	$Tnbs_1$	A	CMP	MS:UISO	2	Y	
W-850-05	MWPT	$Tnbs_1$	S	CMP	E906	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	S	DIS	E906	1	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E200.7:SIO2	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	2	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		CMP	E906	2	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-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	3	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	4	Y	
W-865-1802	MWPT	$Tnbs_0$-$Tnsc_0$	S	CMP	E906	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	GENMIN	1	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E200.7:SIO2	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E900	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		CMP	E906	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	GENMIN	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	A	CMP	MS:UISO	2	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	3	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	DWMETALS	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E300.0:PERC	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E900	4	Y	
W-865-1803	MWPT	$Tnbs_0$-$Tnsc_0$	S	CMP	E906	4	Y	
W8SPRNG	SPR	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Laboratory unable to analyze samples.
W8SPRNG	SPR	$Tnbs_1$		DIS	E300.0:PERC	2	N	Laboratory unable to analyze samples.
W8SPRNG	SPR	$Tnbs_1$	S	CMP	E906	2	N	Laboratory unable to analyze samples.
W8SPRNG	SPR	$Tnbs_1$	A	CMP	MS:UISO	2	N	Laboratory unable to analyze samples.
W8SPRNG	SPR	$Tnbs_1$	S	CMP	E906	4	Y	
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	1	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	1	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	2	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	2	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	3	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	3	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E601	4	N	Dry.
W-PIT1-01	MWPT	$Tnbs_0$-$Tnsc_0$		DIS	E906	4	N	Dry.
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	1	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	1	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	2	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	3	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	3	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E601	4	Y	
W-PIT1-02	MWPT	$Tnbs_1$		DIS	E906	4	Y	
W-PIT7-16	MWPT	$Tnsc_0$		DIS	E200.7:SI02	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	S	CMP	E906	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$		DIS	GENMIN	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	A	CMP	MS:UISO	2	Y	
W-PIT7-16	MWPT	$Tnsc_0$	S	CMP	E906	4	Y	

Notes:

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

Building 850 primary COC: tritium (E906).

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

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

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

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

Table 2.6-1. Building 854-Source (B854-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B854-SRC	July	NA	23	NA	1,384
	August	NA	308	NA	21,201
	September	NA	632	NA	41,694
	October	NA	673	NA	44,345
	November	408	840	1,159	56,429
	December	621	674	1,769	45,717
Total		1,029	3,150	2,928	210,770

Table 2.6-2. Building 854-Proximal (B854-PRX) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B854-PRX	July	NA	335	NA	19,526
	August	NA	756	NA	48,938
	September	NA	415	NA	26,349
	October	NA	378	NA	24,104
	November	NA	417	NA	26,556
	December	NA	195	NA	12,414
Total		NA	2,496	NA	157,887

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

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
B854-PRX-E	7/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-E	8/11/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-E	10/4/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-E	12/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-I	7/12/05	59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-PRX-I	10/4/05	62 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-E	7/13/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-E	8/23/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-E	10/5/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-E	12/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-I	7/13/05	160 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B854-SRC-I	10/5/05	170 BDJ	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2.6-3 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency
B854-PRX-E	7/12/05	0 of 19
B854-PRX-E	8/11/05	0 of 19
B854-PRX-E	9/7/05	0 of 19
B854-PRX-E	10/4/05	0 of 19
B854-PRX-E	11/1/05	0 of 19
B854-PRX-E	12/7/05	0 of 19
B854-PRX-I	7/12/05	0 of 19
B854-PRX-I	10/4/05	0 of 19
B854-SRC-E	7/13/05	0 of 19
B854-SRC-E	8/23/05	0 of 19
B854-SRC-E	9/7/05	0 of 19
B854-SRC-E	10/5/05	0 of 19
B854-SRC-E	11/1/05	0 of 19
B854-SRC-E	12/7/05	0 of 19
B854-SRC-I	7/13/05	0 of 19
B854-SRC-I	10/5/05	0 of 19

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

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

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
B854-PRX-E	7/12/05	7.6	<4
B854-PRX-E	8/11/05	12	<4
B854-PRX-E	9/7/05	22	<4
B854-PRX-E	10/4/05	18	<4
B854-PRX-E	11/1/05	8.6	<4
B854-PRX-E	12/7/05	1.4	<4
B854-PRX-I	7/12/05	46	12
B854-PRX-I	10/4/05	47	13
B854-SRC-E	7/13/05	-[a]	<4
B854-SRC-E	8/23/05	48	<4
B854-SRC-E	9/7/05	47	<4
B854-SRC-E	10/5/05	49	<4
B854-SRC-E	11/1/05	49	<4
B854-SRC-E	12/7/05	52	<4
B854-SRC-I	7/13/05	55	5.6
B854-SRC-I	10/5/05	53	7

Notes:

[a] **A sample for nitrate was collected but not analyzed by the laboratory.**

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

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

Sample location	Sample identification	Parameter	Frequency
B854-SRC GWTS			
Influent Port	**W-854-02-STU08-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU08-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**
B854-SRC SVE			
Influent Port	**VES06-I**	**No Monitoring Requirements**	
Effluent Port	**VES06-E**	**VOCs**	**Weekly**[a]
Intermediate GAC	**VES06-CF3I**	**VOCs**	**Weekly**[a]
B854-PRX GWTS			
Influent Port	**W-854-03-STU02-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		pH	**Quarterly**
Effluent Port	**STU02-E**	**VOCs**	**Monthly**
Effluent Port	**BTU03-E**	**Perchlorate**	**Monthly**
		Nitrate	**Monthly**
		pH	**Monthly**

Notes:

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

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

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

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
SPRING10	SPR	Qls	Q	CMP	E601	1	Y	
SPRING10	SPR	Qls	Q	CMP	E601	2	Y	
SPRING10	SPR	Qls	Q	CMP	E601	3	Y	
SPRING10	SPR	Qls	Q	CMP	E601	4	Y	
SPRING10	SPR	Qls	A	CMP	E300.0:NO3	2	Y	
SPRING10	SPR	Qls	A	CMP	E300.0:PERC	2	Y	
SPRING11	SPR	Qls-Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	
SPRING11	SPR	Qls-Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	
SPRING11	SPR	Qls-Tnbs$_1$		DIS	E300.0:PERC	4	Y	
SPRING11	SPR	Qls-Tnbs$_1$	Q	CMP	E601	1	Y	
SPRING11	SPR	Qls-Tnbs$_1$	Q	CMP	E601	2	Y	
SPRING11	SPR	Qls-Tnbs$_1$	Q	CMP	E601	3	Y	
SPRING11	SPR	Qls-Tnbs$_1$	Q	CMP	E601	4	Y	
W-854-01	MWPT	Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	
W-854-01	MWPT	Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	
W-854-01	MWPT	Tnbs$_1$	S	CMP	E601	2	Y	
W-854-01	MWPT	Tnbs$_1$	S	CMP	E601	4	Y	
W-854-02	EW	Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	See TF data, B854-SRC.
W-854-02	EW	Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	See TF data, B854-SRC.
W-854-02	EW	Tnbs$_1$	S	CMP	E601	2	Y	See TF data, B854-SRC.
W-854-02	EW	Tnbs$_1$	S	CMP	E601	4	Y	See TF data, B854-SRC.
W-854-03	EW	Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	See TF data, B854-PRX.
W-854-03	EW	Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	See TF data, B854-PRX.
W-854-03	EW	Tnbs$_1$	S	CMP	E601	2	Y	See TF data, B854-PRX.
W-854-03	EW	Tnbs$_1$	S	CMP	E601	4	Y	See TF data, B854-PRX.
W-854-04	MWPT	Tmss	A	CMP	E300.0:NO3	2	Y	
W-854-04	MWPT	Tmss	A	CMP	E300.0:PERC	2	Y	
W-854-04	MWPT	Tmss	S	CMP	E601	2	Y	
W-854-04	MWPT	Tmss	S	CMP	E601	4	Y	
W-854-05	MWPT	Qls-Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	
W-854-05	MWPT	Qls-Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	
W-854-05	MWPT	Qls-Tnbs$_1$	S	CMP	E601	2	Y	
W-854-05	MWPT	Qls-Tnbs$_1$	S	CMP	E601	4	Y	
W-854-06	MWPT	Tnsc$_0$	A	CMP	E300.0:NO3	2	Y	
W-854-06	MWPT	Tnsc$_0$	A	CMP	E300.0:PERC	2	Y	
W-854-06	MWPT	Tnsc$_0$	S	CMP	E601	2	Y	
W-854-06	MWPT	Tnsc$_0$	S	CMP	E601	4	Y	
W-854-07	MWPT	Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	
W-854-07	MWPT	Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	
W-854-07	MWPT	Tnbs$_1$	S	CMP	E601	2	Y	
W-854-07	MWPT	Tnbs$_1$	S	CMP	E601	4	Y	
W-854-08	MWPT	Tnbs$_1$	A	CMP	E300.0:NO3	2	Y	
W-854-08	MWPT	Tnbs$_1$	A	CMP	E300.0:PERC	2	Y	
W-854-08	MWPT	Tnbs$_1$	S	CMP	E601	2	Y	
W-854-08	MWPT	Tnbs$_1$	S	CMP	E601	4	Y	
W-854-09	MWPT	Tnsbs$_0$	A	CMP	E300.0:NO3	2	Y	
W-854-09	MWPT	Tnsbs$_0$	A	CMP	E300.0:PERC	2	Y	
W-854-09	MWPT	Tnsbs$_0$	S	CMP	E601	2	Y	
W-854-09	MWPT	Tnsbs$_0$	S	CMP	E601	4	Y	
W-854-10	MWPT	Tnsbs$_0$	A	CMP	E300.0:NO3	2	Y	

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-854-10	MWPT	$Tnsbs_0$	A	CMP	E300.0:PERC	2	Y	
W-854-10	MWPT	$Tnsbs_0$	S	CMP	E601	2	Y	
W-854-10	MWPT	$Tnsbs_0$	S	CMP	E601	4	Y	
W-854-11	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Dry.
W-854-11	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	N	Dry.
W-854-11	MWPT	$Tnbs_1$	A	CMP	E601	2	N	Dry.
W-854-12	MWPT	Tmss	A	CMP	E300.0:NO3	2	N	Insufficient water.
W-854-12	MWPT	Tmss	A	CMP	E300.0:PERC	2	N	Insufficient water.
W-854-12	MWPT	Tmss	S	CMP	E601	2	N	Insufficient water.
W-854-12	MWPT	Tmss	S	CMP	E601	4	N	Dry.
W-854-13	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-13	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-13	MWPT	$Tnsc_0$		DIS	E300.0:PERC	4	Y	
W-854-13	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-13	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	
W-854-13	MWPT	$Tnsc_0$	B	CMP	PCBS	2	Y	Next sample required 2ndQ 2007.
W-854-14	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-14	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-14	MWPT	$Tnbs_1$	A	CMP	E601	2	Y	Sampling frequency changed to annual due to continued lack of water.
W-854-15	MWPT	Qls	A	CMP	E300.0:NO3	2	Y	
W-854-15	MWPT	Qls	A	CMP	E300.0:PERC	2	Y	
W-854-15	MWPT	Qls	S	CMP	E601	2	Y	
W-854-15	MWPT	Qls	S	CMP	E601	4	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	S	CMP	E601	2	Y	
W-854-17	MWPT	$Tnsbs_0$-$Tnsc_0$	S	CMP	E601	4	Y	
W-854-1701	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1701	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1701	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1701	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	
W-854-1706	MWPT	Qal-$Tnbs_1$	A	CMP	E300.0:NO3	2	N	Dry.
W-854-1706	MWPT	Qal-$Tnbs_1$	A	CMP	E300.0:PERC	2	N	Dry.
W-854-1706	MWPT	Qal-$Tnbs_1$	A	CMP	E601	2	N	Dry.
W-854-1707	MWPT	$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1707	MWPT	$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1707	MWPT	$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1707	MWPT	$Tnsc_0$	S	CMP	E601	4	Y	
W-854-1731	MWPT	Tmss	A	CMP	E300.0:NO3	2	Y	
W-854-1731	MWPT	Tmss	A	CMP	E300.0:PERC	2	Y	
W-854-1731	MWPT	Tmss	S	CMP	E601	2	Y	
W-854-1731	MWPT	Tmss	S	CMP	E601	4	Y	
W-854-1822	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-1822	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-1822	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-1822	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	2	Y	

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-854-1823	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	4	Y	
W-854-18A	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-18A	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-18A	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-18A	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-19	MWPT	Qls	A	CMP	E300.0:NO3	2	N	Dry.
W-854-19	MWPT	Qls	A	CMP	E300.0:PERC	2	N	Dry.
W-854-19	MWPT	Qls	A	CMP	E601	2	N	Dry.
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:NO3	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	A	CMP	E300.0:PERC	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	2	Y	
W-854-1902	MWPT	$Tnsbs_1$-$Tnsc_0$	S	CMP	E601	4	Y	
W-854-45	MWPT	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-854-45	MWPT	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-854-45	MWPT	$Tnbs_1$	S	CMP	E601	2	Y	
W-854-45	MWPT	$Tnbs_1$	S	CMP	E601	4	Y	
W-854-F2	MWPT	Qls-$Tnbs_1$	B	CMP	E300.0:NO3	2	N	Dry. Next sample required 2ndQ 2007.
W-854-F2	MWPT	Qls-$Tnbs_1$	B	CMP	E300.0:PERC	2	N	Dry. Next sample required 2ndQ 2007.
W-854-F2	MWPT	Qls-$Tnbs_1$	B	CMP	E601	2	N	Dry. Next sample required 2ndQ 2007.

Notes:

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

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

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

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

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

Table 2.6-7. Building 854-Source (B854-SRC) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B854-SRC	July	NA	0.84	0.029	0.29	NA	NA
	August	NA	13	0.45	4.4	NA	NA
	September	NA	25	0.88	8.7	NA	NA
	October	NA	29	1.2	8.9	NA	NA
	November	770	36	1.5	11	NA	NA
	December	1,100	29	1.2	9.2	NA	NA
Total		1,900	130	5.2	43	NA	NA

Table 2.6-8. Building 854-Proximal (B854-PRX) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B854-PRX	July	NA	4.4	0.96	3.6	NA	NA
	August	NA	11	2.4	8.9	NA	NA
	September	NA	5.9	1.3	4.8	NA	NA
	October	NA	5.7	1.2	4.4	NA	NA
	November	NA	6.2	1.3	4.8	NA	NA
	December	NA	2.9	0.61	2.3	NA	NA
Total		NA	36	7.8	29	NA	NA

Table 2.7-1. Building 832-Source (B832-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B832-SRC	July	0	590	247	1,810
	August	0	816	353	2,442
	September	0	672	304	21,774
	October	0	672	292	50,249
	November	0	840	324	45,777
	December	0	672	222	2,009
Total		0	4,262	1,742	124,061

Table 2.7-2. Building 830-Source (B830-SRC) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B830-SRC	July	130	16	1	799
	August	140	19	1	1,061
	September	136	16	1	895
	October	0	26	0	1,647
	November	NA	42	NA	2,569
	December	NA	24	NA	1,387
Total		406	143	3	8,358

Table 2.7-3. Building 830-Proximal North (B830-PRXN) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B830-PRXN	July	NA	538	NA	46,330
	August	NA	604	NA	51,829
	September	NA	469	NA	39,892
	October	NA	526	NA	44,300
	November	NA	378	NA	31,375
	December	NA	182	NA	14,679
Total		NA	2,697	NA	228,405

Table 2.7-4. Building 830-Distal South (B830-DISS) volumes of ground water and soil vapor extracted and discharged, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE Operational hours	GWTS Operational hours	Volume of vapor extracted (thousands of ft^3)	Volume of ground water discharged (gal)
B830-DISS	July	NA	108	NA	9,100
	August	NA	552	NA	17,900
	September	NA	672	NA	22,200
	October	NA	672	NA	25,300
	November	NA	840	NA	32,200
	December	NA	336	NA	10,800
Total		NA	3,180	NA	117,500

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

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
B830-DISS-E	8/11/05[a]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-DISS-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-DISS-E	10/4/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-DISS-E	11/3/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-DISS-E	12/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-DISS-I	8/11/05	94 BD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-DISS-I	10/4/05	100 BD	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-E	7/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-E	8/9/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-E	9/7/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-E	10/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-E	12/6/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-PRXN-I	7/12/05	31	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
B830-PRXN-I	10/12/05	31	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-E	7/14/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-E	8/11/05	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-E	9/13/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-E	10/5/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-E	11/2/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-E	12/6/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B830-SRC-I	7/14/05	2,200 D	4.8	0.58	<0.5	<0.5	0.89	<0.5	1.9	<0.5	<0.5	0.61	<0.5	<0.5	<0.5
B830-SRC-I	10/5/05	2,300 D	7	0.56	<0.5	<0.5	1.2	<0.5	2.5	0.64	<0.5	0.61	<0.5	<0.5	<0.5

Table 2.7-5 (Cont.). Building 832 Canyon OU VOCs in ground water treatment system influent and effluent.

Location	Date	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetra-chloride (µg/L)	Chloro-form (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
B832-SRC-E	7/12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	8/10/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	9/7/05[b]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	9/13/05[b]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	9/21/05[b]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	9/28/05[b]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	10/6/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	11/1/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-E	12/8/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-I	7/12/05	31	<0.5	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-I	9/7/05[b]	140 D	<0.5	5.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-I	9/13/05[b]	130 BD	<0.5	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-I	9/21/05[b]	130 BD	<0.5	5.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-I	9/28/05[b]	110 D	<0.5	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B832-SRC-I	10/6/05	100 BD	<0.5	5.6	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2.7-5 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency
B830-DISS-E	**8/11/05**	**0 of 19**
B830-DISS-E	**9/7/05**	**0 of 19**
B830-DISS-E	**10/4/05**	**0 of 19**
B830-DISS-E	**11/3/05**	**0 of 19**
B830-DISS-E	**12/12/05**	**0 of 19**
B830-DISS-I	**8/11/05**	**0 of 19**
B830-DISS-I	**10/4/05**	**0 of 19**
B830-PRXN-E	**7/12/05**	**0 of 19**
B830-PRXN-E	**8/9/05**	**0 of 19**
B830-PRXN-E	**9/7/05**	**0 of 19**
B830-PRXN-E	**10/12/05**	**0 of 19**
B830-PRXN-E	**11/1/05**	**0 of 19**
B830-PRXN-E	**12/6/05**	**0 of 19**
B830-PRXN-I	**7/12/05**	**0 of 19**
B830-PRXN-I	**10/12/05**	**0 of 19**
B830-SRC-E	**7/14/05**	**0 of 19**
B830-SRC-E	**8/11/05**	**0 of 19**
B830-SRC-E	**9/13/05**	**0 of 19**
B830-SRC-E	**10/5/05**	**0 of 19**
B830-SRC-E	**11/2/05**	**0 of 19**
B830-SRC-E	**12/6/05**	**0 of 19**
B830-SRC-I	**7/14/05**	**0 of 19**
B830-SRC-I	**10/5/05**	**0 of 19**

Table 2.7-5 (Cont.). Analytes detected but not reported in main table.

Location	Date	Detection frequency
B832-SRC-E	7/12/05	0 of 19
B832-SRC-E	8/10/05	0 of 17
B832-SRC-E	9/7/05	0 of 19
B832-SRC-E	9/13/05	0 of 19
B832-SRC-E	9/21/05	0 of 19
B832-SRC-E	9/28/05	0 of 19
B832-SRC-E	10/6/05	0 of 19
B832-SRC-E	11/1/05	0 of 19
B832-SRC-E	12/8/05	0 of 19
B832-SRC-I	7/12/05	0 of 19
B832-SRC-I	9/7/05	0 of 19
B832-SRC-I	9/13/05	0 of 19
B832-SRC-I	9/21/05	0 of 19
B832-SRC-I	9/28/05	0 of 19
B832-SRC-I	10/6/05	0 of 19

Notes:

[a] **B830-DISS was not operating during July.**

[b] **Additional influent and effluent samples were taken for the B832-SRC during September due to the wellfield expansion.**

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

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

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
B830-DISS-E	7/7/05[a]	56	-
B830-DISS-E	8/11/05	<0.5	<4
B830-DISS-E	9/7/05	<0.5	<4
B830-DISS-E	10/4/05	<0.5	<4
B830-DISS-E	11/3/05	12	<4
B830-DISS-E	12/12/05	<1 DE	<4
B830-DISS-I	8/11/05	63	4.6
B830-DISS-I	10/4/05	63	4
B830-PRXN-E	7/12/05	17 D	<4
B830-PRXN-E	8/9/05	-[b]	<4
B830-PRXN-E	9/7/05	16 D	<4
B830-PRXN-E	10/12/05	15 D	<4
B830-PRXN-E	11/1/05	16 D	<4
B830-PRXN-E	12/6/05	2.5 D	<4
B830-PRXN-I	7/12/05	17 D	<4
B830-PRXN-I	10/12/05	17 D	<4
B830-SRC-E	7/14/05	110 D	<4
B830-SRC-E	8/11/05	110 D	<4
B830-SRC-E	9/13/05	78	<4
B830-SRC-E	10/5/05	82	<4
B830-SRC-E	11/2/05	110 D	<4
B830-SRC-E	12/6/05	89 D	<4
B830-SRC-I	7/14/05	120 D	4.5
B830-SRC-I	10/5/05	110 D	4.2
B832-SRC-E	7/12/05	87 D	<4
B832-SRC-E	8/10/05	130 D	<4
B832-SRC-E	9/7/05[c]	75 D	<4
B832-SRC-E	9/13/05[c]	5.4 D	<4
B832-SRC-E	9/21/05[c]	70 D	<4
B832-SRC-E	9/28/05[c]	89 D	<4
B832-SRC-E	10/6/05	85 D	<4
B832-SRC-E	11/1/05	91 D	<4
B832-SRC-E	12/8/05	84 D	<4
B832-SRC-I	7/12/05	93 D	9.4
B832-SRC-I	9/7/05[c]	95 D	9.1
B832-SRC-I	9/13/05[c]	88 D	8.7
B832-SRC-I	9/21/05[c]	95 D	8.8
B832-SRC-I	9/28/05[c]	95 D	8.8
B832-SRC-I	10/6/05	100 D	9.4

Notes:

[a] **Facility shutdown in June due to nitrate detections in the effluent. July sample collected only for nitrate to determine bioreactor optimization.**

[b] **Nitrate sample inadvertently not collected.**

[c] **Additional influent and effluent samples were taken for the B832-SRC during September due to the wellfield expansion.**

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

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	**TF-832-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**Monthly**
B832-SRC SVE			
Influent Port	**TF-832-SVI**	**No Monitoring Requirements**	
Effluent Port	**TF-832-SVE**	**VOCs**	**Weekly**[a]
Intermediate GAC	**VES06-CF3I**	**VOCs**	**Weekly**[a]
B830-SRC GWTS			
Influent Port	**GTU05-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		PH	**Quarterly**
Effluent Port	**GTU05-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**Monthly**
B830-SRC SVE			
Influent Port	**VES06-I**	**No Monitoring Requirements**	
Effluent Port	**VES06-E**	**VOCs**	**Weekly**[a]
Intermediate GAC	**VES06-CF3I**	**VOCs**	**Weekly**[a]

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

Sample location	Sample identification	Parameter	Frequency
B830-PRXN GWTS			
Influent Port	**W-830-57-STU03-I**	**VOCs**	**Quarterly**
		Perchlorate	**Quarterly**
		Nitrate	**Quarterly**
		PH	**Quarterly**
Effluent Port	**STU03-E**	**VOCs**	**Monthly**
		Perchlorate	**Monthly**
		Nitrate	**Monthly**
		PH	**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**

Notes:

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

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

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

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
SPRING3	SPR	Qal	A	CMP	E300.0:NO3	1	Y	
SPRING3	SPR	Qal	A	CMP	E300.0:PERC	1	Y	
SPRING3	SPR	Qal	S	CMP	E601	1	Y	
SPRING3	SPR	Qal	S	CMP	E601	3	Y	
SPRING4	SPR	Tps	B	CMP	E300.0:NO3	1	Y	Next sample required 1ndQ 2007.
SPRING4	SPR	Tps	B	CMP	E300.0:PERC	1	Y	Next sample required 1ndQ 2007.
SPRING4	SPR	Tps	B	CMP	E601	1	Y	Next sample required 1ndQ 2007.
SVI-830-031	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Insufficient water to collect sample.
SVI-830-031	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Insufficient water to collect sample.
SVI-830-031	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
SVI-830-031	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
SVI-830-032	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Dry.
SVI-830-032	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Dry.
SVI-830-032	MWPT	$Tnsc_1$	S	CMP	E601	1	N	Dry.
SVI-830-032	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
SVI-830-033	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Dry.
SVI-830-033	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Dry.
SVI-830-033	MWPT	$Tnsc_1$	S	CMP	E601	1	N	Dry.
SVI-830-033	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
SVI-830-035	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
SVI-830-035	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
SVI-830-035	MWPT	$Tnsc_1$	S	CMP	E601	1	Y	
SVI-830-035	MWPT	$Tnsc_1$	S	CMP	E601	3	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-04A	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	A	CMP	E300.0:NO3	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	A	CMP	E300.0:PERC	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	S	CMP	E601	1	Y	
W-830-05	MWPT	$Tnbs_2$-$Tnsc_{1c}$	S	CMP	E601	3	Y	
W-830-07	MWPT	$Tnsc_1$	A	CMP	E300.0:NO3	1	N	Dry.
W-830-07	MWPT	$Tnsc_1$	A	CMP	E300.0:PERC	1	N	Dry.
W-830-07	MWPT	$Tnsc_1$	S	CMP	E601	1	N	Dry.
W-830-07	MWPT	$Tnsc_1$	S	CMP	E601	3	N	Dry.
W-830-09	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-09	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-10	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-10	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-11	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:NO3	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:PERC	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	S	CMP	E601	1	Y	
W-830-11	MWPT	$Tnsc_{1c}$	S	CMP	E601	3	Y	
W-830-12	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-830-12	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-830-13	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-830-13	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-13	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-830-13	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-830-14	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-14	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-15	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-15	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-15	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-15	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	1	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	3	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	1	Y	
W-830-16	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	3	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	1	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	2	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	3	Y	
W-830-16	GW	$Tnsc_{1b}$	Q	CMP	E601	4	Y	
W-830-17	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-830-17	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-830-17	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-830-17	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	1	Y	Changed to GW 2ndQ 2005
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	3	Y	Changed to GW 2ndQ 2005
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	1	Y	Changed to GW 2ndQ 2005
W-830-1730	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	3	Y	Changed to GW 2ndQ 2005
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	1	Y	Changed to GW 2ndQ 2005
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	2	N	Not sampled. Changed to GW 2ndQ 2005.
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	3	Y	Changed to GW 2ndQ 2005.
W-830-1730	GW	$Tnsc_{1b}$	Q	CMP	E601	4	Y	Changed to GW 2ndQ 2005.
W-830-18	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-18	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-1807	EW	Qal/$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-SRC.
W-830-1807	EW	Qal/$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-SRC.
W-830-1807	EW	Qal/$Tnsc_1$	S	CMP	E601	1	Y	See TF data, B830-SRC.
W-830-1807	EW	Qal/$Tnsc_1$	S	CMP	E601	3	Y	See TF data, B830-SRC.
W-830-1829	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-1829	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-1830	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	1	Y	Frequency changed 2ndQ 2005
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:NO3	3	Y	Frequency changed 2ndQ 2005
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	1	Y	Frequency changed 2ndQ 2005
W-830-1831	GW	$Tnsc_{1b}$	S	CMP	E300.0:PERC	3	Y	Frequency changed 2ndQ 2005
W-830-1831	GW	$Tnsc_{1b}$		DIS	E300.0:PERC	4	Y	Frequency changed 2ndQ 2005
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	1	Y	Frequency changed 2ndQ 2005

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	2	N	Not sampled. Frequency changed 2ndQ 2005.
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	3	Y	Frequency changed 2ndQ 2005.
W-830-1831	GW	$Tnsc_{1b}$	Q	CMP	E601	4	Y	Frequency changed 2ndQ 2005.
W-830-1832	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-1832	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-19	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-SRC.
W-830-19	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-SRC.
W-830-19	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B830-SRC.
W-830-19	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B830-SRC.
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:NO3	1	Y	
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:NO3	3	Y	
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:PERC	1	Y	
W-830-20	GW	Upper $Tnbs_1$	S	CMP	E300.0:PERC	3	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	1	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	2	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	3	Y	
W-830-20	GW	Upper $Tnbs_1$	Q	CMP	E601	4	Y	
W-830-21	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-21	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-22	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:NO3	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:PERC	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	S	CMP	E601	1	Y	
W-830-22	MWPT	$Tnsc_{1a}$	S	CMP	E601	3	Y	
W-830-25	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-25	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-26	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-26	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-27	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:NO3	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	A	CMP	E300.0:PERC	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	S	CMP	E601	1	Y	
W-830-27	MWPT	$Tnsc_{1a}$	S	CMP	E601	3	Y	
W-830-28	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-28	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-830-29	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-830-29	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	S	CMP	E601	1	Y	
W-830-30	MWPT	Qal/$Tnsc_1$	S	CMP	E601	3	Y	
W-830-34	MWPT	Qal/$Tnsc_1$	A	CMP	E300.0:NO3	1	Y	

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-830-34	MWPT	$Qal/Tnsc_1$	A	CMP	E300.0:PERC	1	Y	
W-830-34	MWPT	$Qal/Tnsc_1$	S	CMP	E601	1	Y	
W-830-34	MWPT	$Qal/Tnsc_1$	S	CMP	E601	3	Y	
W-830-49	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-49	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-50	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-50	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-51	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-DISS.
W-830-51	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-DISS.
W-830-51	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B830-DISS.
W-830-51	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B830-DISS.
W-830-52	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-DISS.
W-830-52	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-DISS.
W-830-52	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B830-DISS.
W-830-52	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B830-DISS.
W-830-53	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-DISS.
W-830-53	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-DISS.
W-830-53	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B830-DISS.
W-830-53	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B830-DISS.
W-830-54	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:NO3	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	A	CMP	E300.0:PERC	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	S	CMP	E601	1	Y	
W-830-54	MWPT	$Tnsc_{1c}$	S	CMP	E601	3	Y	
W-830-55	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-55	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-56	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-56	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-57	EW	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-PRXN.
W-830-57	EW	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-PRXN.
W-830-57	EW	Upper $Tnbs_1$	S	CMP	E601	1	Y	See TF data, B830-PRXN.
W-830-57	EW	Upper $Tnbs_1$	S	CMP	E601	3	Y	See TF data, B830-PRXN.
W-830-58	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-830-58	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-830-58	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-830-58	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-830-59	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-SRC.
W-830-59	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-SRC.
W-830-59	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B830-SRC.
W-830-59	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B830-SRC.
W-830-60	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	S	CMP	E601	1	Y	
W-830-60	MWPT	Upper $Tnbs_1$	S	CMP	E601	3	Y	
W-831-01	MWB	Lower $Tnbs_1$	B	CMP	E300.0:NO3	1	Y	Next sample required 1ndQ 2007.
W-831-01	MWB	Lower $Tnbs_1$	B	CMP	E300.0:PERC	1	Y	Next sample required 1ndQ 2007.

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-831-01	MWB	Lower $Tnbs_1$	B	CMP	E601	1	Y	Next sample required 1ndQ 2007.
W-832-01	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B830-SRC.
W-832-01	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B830-SRC.
W-832-01	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B830-SRC.
W-832-01	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B830-SRC.
W-832-05	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	Well has been compromised, to be destroyed.
W-832-05	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	Well has been compromised, to be destroyed.
W-832-05	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	Well has been compromised, to be destroyed.
W-832-05	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	N	Well has been compromised, to be destroyed.
W-832-06	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	N	Well has been compromised, to be destroyed.
W-832-06	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	N	Well has been compromised, to be destroyed.
W-832-06	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	N	Well has been compromised, to be destroyed.
W-832-06	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	N	Well has been compromised, to be destroyed.
W-832-09	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:NO3	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	A	CMP	E300.0:PERC	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-832-09	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-832-10	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B832-SRC.
W-832-10	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B832-SRC.
W-832-10	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B832-SRC.
W-832-10	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B832-SRC.
W-832-11	EW	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	See TF data, B832-SRC.
W-832-11	EW	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	See TF data, B832-SRC.
W-832-11	EW	$Tnsc_{1b}$	S	CMP	E601	1	Y	See TF data, B832-SRC.
W-832-11	EW	$Tnsc_{1b}$	S	CMP	E601	3	Y	See TF data, B832-SRC.
W-832-12	EW	Qal/fill	A	CMP	E300.0:NO3	1	Y	See TF data, B832-SRC.
W-832-12	EW	Qal/fill	A	CMP	E300.0:PERC	1	Y	See TF data, B832-SRC.
W-832-12	EW	Qal/fill	S	CMP	E601	1	Y	See TF data, B832-SRC.
W-832-12	EW	Qal/fill	S	CMP	E601	3	Y	See TF data, B832-SRC.
W-832-13	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-13	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-13	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-13	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-14	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-14	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-14	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-14	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-15	EW	Qal/fill	A	CMP	E300.0:NO3	1	Y	See TF data, B832-SRC.
W-832-15	EW	Qal/fill	A	CMP	E300.0:PERC	1	Y	See TF data, B832-SRC.
W-832-15	EW	Qal/fill	S	CMP	E601	1	Y	See TF data, B832-SRC.
W-832-15	EW	Qal/fill	S	CMP	E601	3	Y	See TF data, B832-SRC.
W-832-15	EW	Qal/fill	B	CMP	E8330	4	N	See TF data, B832-SRC.
W-832-16	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-16	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-16	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-16	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-17	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-17	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-17	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-17	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-18	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-18	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-18	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-18	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-19	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Insufficient water to collect sample.
W-832-19	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Insufficient water to collect sample.
W-832-19	MWPT	Qal/fill	S	CMP	E601	1	N	Insufficient water to collect sample.
W-832-19	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-1927	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-832-1927	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-20	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-20	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-20	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-20	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-21	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-21	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-21	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-21	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-2112	GW	Upper $Tnbs_1$		DIS	DWMETALS	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$	S	DIS	E300.0	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$	S	DIS	E300.0	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$	Q	DIS	E624	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$		DIS	E900	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$		DIS	E906	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$		DIS	GENMINDISS	4	Y	New well.
W-832-2112	GW	Upper $Tnbs_1$		DIS	MS	4	Y	New well.
W-832-22	MWPT	Qal/fill	A	CMP	E300.0:NO3	1	N	Dry.
W-832-22	MWPT	Qal/fill	A	CMP	E300.0:PERC	1	N	Dry.
W-832-22	MWPT	Qal/fill	S	CMP	E601	1	N	Dry.
W-832-22	MWPT	Qal/fill	S	CMP	E601	3	N	Dry.
W-832-23	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	N	No sample collected, hooked to bubble tank.
W-832-23	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	N	No sample collected, hooked to bubble tank.
W-832-23	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	N	No sample collected, hooked to bubble tank.
W-832-23	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-24	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-832-24	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-25	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:NO3	1	Y	
W-832-25	MWPT	$Tnsc_{1b}$	A	CMP	E300.0:PERC	1	Y	
W-832-25	MWPT	$Tnsc_{1b}$	S	CMP	E601	1	Y	
W-832-25	MWPT	$Tnsc_{1b}$	S	CMP	E601	3	Y	
W-832-SC1	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-832-SC1	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-832-SC1	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC1	MWPT	Qal	S	CMP	E601	3	Y	
W-832-SC2	MWPT	Qal	A	CMP	E300.0:NO3	1	N	Insufficient water to collect sample.
W-832-SC2	MWPT	Qal	A	CMP	E300.0:PERC	1	N	Insufficient water to collect sample.
W-832-SC2	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC2	MWPT	Qal	S	CMP	E601	3	N	Insufficient water to collect sample.
W-832-SC3	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-832-SC3	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-832-SC3	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC3	MWPT	Qal	S	CMP	E601	3	Y	
W-832-SC4	MWPT	Qal	A	CMP	E300.0:NO3	1	Y	
W-832-SC4	MWPT	Qal	A	CMP	E300.0:PERC	1	Y	
W-832-SC4	MWPT	Qal	S	CMP	E601	1	Y	
W-832-SC4	MWPT	Qal	S	CMP	E601	3	N	Insufficient water to collect sample.
W-870-01	MWPT	Qal	A	CMP	E300.0:NO3	1	N	Dry.
W-870-01	MWPT	Qal	A	CMP	E300.0:PERC	1	N	Dry.
W-870-01	MWPT	Qal	S	CMP	E601	1	N	Dry.
W-870-01	MWPT	Qal	S	CMP	E601	3	N	Dry.
W-870-02	MWPT	$Tnbs_2$	A	CMP	E300.0:NO3	1	Y	
W-870-02	MWPT	$Tnbs_2$	A	CMP	E300.0:PERC	1	Y	
W-870-02	MWPT	$Tnbs_2$	S	CMP	E601	1	Y	
W-870-02	MWPT	$Tnbs_2$	S	CMP	E601	3	Y	
W-880-01	GW	$Tnbs_2$	S	CMP	E300.0:NO3			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).

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

Table 2.7-9. Building 832-Source (B832-SRC) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B832-SRC	July	21	0.25	0.081	0.88	NA	NA
	August	30	0.37	0.10	1.2	NA	NA
	September	25	10	0.086	8.2	NA	NA
	October	24	23	0.088	20	NA	NA
	November	27	21	0.097	18	NA	NA
	December	19	0.57	0.056	0.89	NA	NA
Total		150	55	0.51	49	NA	NA

Table 2.7-10. Building 830-Source (B830-SRC) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B830-SRC	July	1.3	6.9	0	0.37	NA	NA
	August	1.4	9.8	0	0.51	NA	NA
	September	1.4	8.3	0.0032	0.42	NA	NA
	October	0	17	0.037	0.78	NA	NA
	November	NA	28	0.058	1.2	NA	NA
	December	NA	15	0.031	0.66	NA	NA
Total		4.1	84	0.13	4.0	NA	NA

Table 2.7-11. Building 830-Proximal North (B830-PRXN) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B830-PRXN	July	NA	5.5	NA	3.0	NA	NA
	August	NA	6.2	NA	3.3	NA	NA
	September	NA	4.8	NA	2.6	NA	NA
	October	NA	5.3	NA	2.9	NA	NA
	November	NA	3.7	NA	2.0	NA	NA
	December	NA	1.8	NA	0.94	NA	NA
Total		NA	27	NA	15	NA	NA

Table 2.7-12. Building 830-Distal South (B830-DISS) mass removed, July 1, 2005 through December 31, 2005.

Treatment facility	Month	SVE VOC mass removed (g)	GWTS VOC mass removed (g)	Perchlorate mass removed (g)	Nitrate mass removed (kg)	RDX mass removed (g)	TBOS mass removed (g)
B830-DISS	July	NA	2.5	0.22	2.1	NA	NA
	August	NA	6.6	0.43	4.2	NA	NA
	September	NA	8.1	0.53	5.2	NA	NA
	October	NA	9.4	0.42	6.0	NA	NA
	November	NA	12	0.53	7.6	NA	NA
	December	NA	4.0	0.18	2.6	NA	NA
Total		NA	42	2.3	28	NA	NA

Table 2.8-1. Building 801 Firing Table and Pit 8 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K8-01	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	2		
K8-01	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	S	CMP	E601	2	Y	
K8-01	MWPT	Upper $Tnbs_1$	S	CMP	E601	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E340.2	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E601	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$		DIS	E601	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	E8330:R+H	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	1	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	2	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	3	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	Q	CMP	E906	4	Y	
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2007.
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2007.
K8-02B	CMP DMW	$Tnsc_1$/Upper $Tnbs_1$	A	CMP	T26METALS	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	S	CMP	E601	2	Y	
K8-03B	MWPT	Upper $Tnbs_1$	S	CMP	E601	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$		DIS	E20.7:SIO2	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E340.2	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E601	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$		DIS	E601	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	E8330:R+H	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	1	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	3	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	Q	CMP	E906	4	Y	
K8-04	CMP DMW	Upper $Tnbs_1$		DIS	GENMIN	2	Y	
K8-04	CMP DMW	Upper $Tnbs_1$	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2007.
K8-04	CMP DMW	Upper $Tnbs_1$	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2007.
K8-04	CMP DMW	Upper $Tnbs_1$	A	CMP	T26METALS	2	Y	
K8-05	CMP DMW	$Tnbs_2$	B	CMP	CMPTRIMET	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E300.0:NO3	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E300.0:PERC	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E340.2	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E601	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E8330:R+H	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	E906	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	MS:THISO	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	MS:UISO	2	N	DRY. Next sample required 2ndQ 2006.
K8-05	CMP DMW	$Tnbs_2$	B	CMP	T26METALS	2	N	DRY. Next sample required 2ndQ 2006.

Notes appear on following page.

Table 2.8-1. Building 801 and Pit 8 landfill area ground water sampling and analysis plan.

Notes:

No COCs in ground water.
CMP detection monitoring analyte: tritium (E906) sampled quarterly.
CMP detection monitoring analyte: VOCs (E601 or E624) sampled annually.
CMP detection monitoring analyte: fluoride (E340.2) sampled annually.
CMP detection monitoring analyte: HE compounds (E8330:R+H) sampled annually.
CMP detection monitoring analyte: nitrate (E300.0:NO3) sampled annually.
CMP detection monitoring analyte: perchlorate (E300.0:PERC) sampled annually.
CMP detection monitoring analytes: Title 26 metals plus U, Th, Li, Be (T26METALS and CMPTRIMET) sampled annually.
CMP detection monitoring analytes: uranium and thorium isotopes by mass spectrometry (MS:UISO and MS:THISO) sampled biennially.
Contaminants of Concern in the Vadose Zone not detected in Ground Water: HE Compounds and uranium.
Building 801 primary COC: VOCs (E601 or E624).
Building 801 secondary COC: nitrate (E300.0:NO3).
Building 801 secondary COC: uranium (MS:UISO) .

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-833-03	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-12	MWPT	Tps	A	CMP	E601	1	Y	
W-833-18	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-22	MWPT	Tps	B	CMP	E601	1	N	DRY. Next sample required 1st Q 2006.
W-833-28	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-30	MWPT	Lower $Tnbs_1$	S	CMP	E601	1	Y	
W-833-30	MWPT	Lower $Tnbs_1$	S	CMP	E601	3	Y	
W-833-33	MWPT	Tps	B	CMP	E601	1	N	Dry.
W-833-34	MWPT	Tps	A	CMP	E601	1	N	Dry.
W-833-43	MWPT	Tps	B	CMP	E601	1	N	Dry.
W-840-01	MWPT	Lower $Tnbs_1$		DIS	E300.0:NO3	1	N	Pump down.
W-840-01	MWPT	Lower $Tnbs_1$		DIS	E300.0:PERC	1	N	Pump down.
W-840-01	MWPT	Lower $Tnbs_1$		DIS	E601	1	N	Pump down.
W-841-01	MWPT	Upper $Tnbs_1$		DIS	E300.0:NO3	1	N	Dry.
W-841-01	MWPT	Upper $Tnbs_1$		DIS	E300.0:PERC	1	N	Dry.
W-841-01	MWPT	Upper $Tnbs_1$		DIS	E601	1	N	Dry.

Notes:

Building 833 primary COC: VOCs (E601).

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

Table 2.8-3. Building 845 Firing Table and Pit 9 Landfill area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K9-01	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-01	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-01	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-01	CMP DMW	Tmss	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2005.
K9-01	CMP DMW	Tmss	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2005.
K9-01	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-02	CMP DMW	Tmss		DIS	E200.7:SIO2	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-02	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-02	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-02	CMP DMW	Tmss		DIS	GENMIN	2	Y	
K9-02	CMP DMW	Tmss	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2005.
K9-02	CMP DMW	Tmss	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2005.
K9-02	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-03	CMP DMW	Tmss		DIS	E200.7:SIO2	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-03	CMP DMW	Tmss	A	CMP	E8330	2	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-03	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-03	CMP DMW	Tmss		DIS	GENMIN	2	Y	
K9-03	CMP DMW	Tmss	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2005.
K9-03	CMP DMW	Tmss	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2005.
K9-03	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	CMPTRIMET	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E300.0:NO3	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E300.0:PERC	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E340.2	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E601	2	Y	
K9-04	CMP DMW	Tmss	A	CMP	E8330	2	Y	

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 type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
K9-04	CMP DMW	Tmss	Q	CMP	E906	1	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	2	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	3	Y	
K9-04	CMP DMW	Tmss	Q	CMP	E906	4	Y	
K9-04	CMP DMW	Tmss	B	CMP	MS:THISO	2	Y	Next sample required 2ndQ 2005.
K9-04	CMP DMW	Tmss	B	CMP	MS:UISO	2	Y	Next sample required 2ndQ 2005.
K9-04	CMP DMW	Tmss	A	CMP	T26METALS	2	Y	

Notes:

No COCs in ground water.

CMP detection monitoring analyte: tritium (E906) sampled quarterly.

CMP detection monitoring analyte: VOCs (E601 or E624) sampled annually.

CMP detection monitoring analyte: fluoride (E340.2) sampled annually.

CMP detection monitoring analyte: HE compounds (E8330:R+H) sampled annually.

CMP detection monitoring analyte: nitrate (E300.0:NO3) sampled annually.

CMP detection monitoring analyte: perchlorate (E300.0:PERC) sampled annually.

CMP detection monitoring analytes: Title 26 metals plus U, Th, Li, Be (T26METALS and CMPTRIMET) sampled annually.

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

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

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

Table 2.8-4. Building 851 area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-851-05	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-05	MWPT	Tmss	B	CMP	E601	2	Y	Next sample required 2ndQ 2005.
W-851-05	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-05	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-05	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-05	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-06	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-06	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-06	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-06	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-06	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-07	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-07	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-07	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-07	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-07	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-08	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-08	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-08	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-08	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-08	MWPT	Tmss	S	CMP	MS:UISO	4	Y	

Notes:

Building 851 primary COC: uranium (MS:UISO).

Building 851 secondary COC: tritium (E906).

Contaminants of Concern in the Vadose Zone not detected in Ground Water: VOCs (E601).

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

Table 2.8-4. Building 851 area ground water sampling and analysis plan.

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-851-05	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-05	MWPT	Tmss	B	CMP	E601	2	Y	Next sample required 2ndQ 2005.
W-851-05	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-05	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-05	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-05	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-06	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-06	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-06	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-06	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-06	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-07	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-07	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-07	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-07	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-07	MWPT	Tmss	S	CMP	MS:UISO	4	Y	
W-851-08	MWPT	Tmss		DIS	E200.7:SIO2	2	Y	
W-851-08	MWPT	Tmss	A	CMP	E906	2	Y	
W-851-08	MWPT	Tmss		DIS	GENMIN	2	Y	
W-851-08	MWPT	Tmss	S	CMP	MS:UISO	2	Y	
W-851-08	MWPT	Tmss	S	CMP	MS:UISO	4	Y	

Notes:

Building 851 primary COC: uranium (MS:UISO).

Building 851 secondary COC: tritium (E906).

Contaminants of Concern in the Vadose Zone not detected in Ground Water: VOCs (E601).

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

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	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	CMP/WGMG	CMPTRIMET	2	Y	
K2-01C	CMP DMW	$Tnbs_1$		ERD/WGMG	E200.7:SIO2	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E300.0:NO3	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E300.0:PERC	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E340.2	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E601	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	E8330:R+H	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	1	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	3	Y	
K2-01C	CMP DMW	$Tnbs_1$	Q	CMP/WGMG	E906	4	Y	
K2-01C	CMP DMW	$Tnbs_1$		ERD/WGMG	GENMIN	2	Y	
K2-01C	CMP DMW	$Tnbs_1$	B	ERD/WGMG	MS:THISO	2	Y	Next sample required 2ndQ 2006.
K2-01C	CMP DMW	$Tnbs_1$	B	ERD/WGMG	MS:UISO	2	Y	Next sample required 2ndQ 2006.
K2-01C	CMP DMW	$Tnbs_1$	A	CMP/WGMG	T26METALS	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
NC2-08	CMP DMW	$Tnbs_1$		DIS	E200.7:SIO2	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E340.2	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E601	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	E8330:R+H	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	1	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	3	Y	
NC2-08	CMP DMW	$Tnbs_1$	Q	CMP	E906	4	Y	
NC2-08	CMP DMW	$Tnbs_1$		DIS	GENMIN	2	Y	
NC2-08	CMP DMW	$Tnbs_1$	B	DIS	MS:THISO	2	Y	Next sample required 2ndQ 2006.
NC2-08	CMP DMW	$Tnbs_1$	B	DIS	MS:UISO	2	Y	Next sample required 2ndQ 2006.
NC2-08	CMP DMW	$Tnbs_1$	A	CMP	T26METALS	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	CMPTRIMET	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	DMETALS	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E200.7:SIO2	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E200.7:SIO2	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:NO3	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E300.0:NO3	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:PERC	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E300.0:PERC	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E340.2	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E601	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E601	4	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E624	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	E8330:R+H	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	E8330:R+H	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	DIS	E900	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	1	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	2	Y	

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

Sampling location	Location type	Completion interval	Sampling frequency required	Sampling type	Requested analysis	Sampling quarter	Sampled Y/N	Comment
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	4	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	GENMIN	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	GENMINDISS	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:THISO	1	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:THISO	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:THISO	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:UISO	1	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:UISO	2	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:UISO	3	Y	
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$		DIS	MS:UISO	4	Y	Next sample required 4THQ 2006.
W-PIT2-1934	CMP DMW	Lower $Tnbs_1$	A	CMP	T26METALS	2	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	CMPTRIMET	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	CMPTRIMET	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:NO3	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	E300.0:NO3	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E300.0:PERC	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	E300.0:PERC	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E340.2	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	E340.2	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E601	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	E601	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	A	CMP	E8330:R+H	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	E8330:R+H	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	2	N	Laboratory unable to analyze sample.
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	Q	CMP	E906	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:THISO	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:THISO	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:THISO	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	MS:THISO	4	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:UISO	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	DIS	MS:UISO	1	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$	B	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	CMP	T26METALS	3	Y	
W-PIT2-1935	CMP DMW	Lower $Tnbs_1$		DIS	T26METALS	4	Y	

Notes:

No COCs in ground water at Pit 2.

CMP detection monitoring analyte: tritium (E906) sampled quarterly.

CMP detection monitoring analyte: VOCs (E601 or E624) sampled annually.

CMP detection monitoring analyte: fluoride (E340.2) sampled annually.

CMP detection monitoring analyte: HE compounds (E8330:R+H) sampled annually.

CMP detection monitoring analyte: nitrate (E300.0:NO3) sampled annually.

CMP detection monitoring analyte: perchlorate (E300.0:PERC) sampled annually.

CMP detection monitoring analytes: Title 26 metals plus U, Th, Li, Be (T26METALS and CMPTRIMET) sampled annually.

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

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

Table 4.1-1. Summary of inhalation risks and hazards resulting from transport of contaminant vapors to indoor ambient air.

Area	Pathway and model	Contaminant	Incremental risk	Hazard quotient	Comment
Building 834D	Indoor – JEM	TCE	1.1×10^{-2}	6.0	Based on a TCE concentration of 31,000 μg/L (4-Aug-2005) in well W-834-D15.
	Indoor – JEM	PCE	3.0×10^{-6}	NA	Based on a PCE concentration of 180 μg/L (12-Oct-2005) in well W-834-D13.
Cumulative risk and hazard index			$\mathbf{1.1 \times 10^{-2}}$	**6.0**	**Institutional controls in place, building only used for storage.**
Building 854A	Indoor – JEM	Total VOCs	9.6×10^{-7}	5.1×10^{-4}	Based on a Total VOC (all TCE) concentration of 5.1 μg/L (29-Nov-2005) in well W-854-10.
Cumulative risk and hazard index			$\mathbf{9.6 \times 10^{-7}}$	$\mathbf{5.1 \times 10^{-4}}$	**Inhalation risk or hazard did not exist in 2005. Institutional controls will remain in place during 2006.**
Building 854F	Indoor – None	Chloroform and TCE	NC	NC	Building 854F was demolished in 2005 removing the indoor air exposure pathway.
Cumulative risk and hazard index			**NC**	**NC**	**Inhalation risk or hazard for the indoor air pathway does not exist.**
Building 830	Indoor – JEM	Vinyl Chloride	9.6×10^{-7}	0.003	Based on a vinyl chloride detection limit of 25 μg/L (2-Feb-2005) in well W-830-34.
	Indoor – JEM	TCE	2.0×10^{-4}	0.11	Based on a TCE concentration of 1,300 μg/L (15-Aug-2005) in well W-830-34.
Cumulative risk and hazard index			$\mathbf{2.0 \times 10^{-4}}$	**0.11**	**Institutional controls in place.**
Building 833	Indoor – JEM	TCE	1.8×10^{-6}	0.001	Based on a 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 a chloroform detection limit of 0.5 μg/L (16-Aug-2005) in sampled wells.
Cumulative risk and hazard index			$\mathbf{1.8 \times 10^{-6}}$	**0.001**	**Institutional and engineering controls are in place. The air conditioning unit in Bldg. 833 is operated continuously to maintain neutral pressure differential between the subsurface and indoor air, and to maintain high exchange rates.**

Notes:

JEM = Johnson-Ettinger Model for indoor air pathway (EQM for USEPA, 2003).

NC = Not calculated.

NA = Not applicable. Unit Risk Factor (URF) or Reference Concentration (RfC) does not exist for this chemical.

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

Appendix A

Results of Influent and Effluent pH Monitoring

Appendix A

Results of Influent and Effluent ph Monitoring

A-1. Results of influent and effluent ph monitoring, July through December 2005.

A-1. Results of infuent and effluent pH monitoring, July through December 2005.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result
GSA OU			
EGSA GWTS	**07/19/2005**	**7**	**7**
EGSA GWTS	**08/09/2005**	**NA**	**7**
EGSA GWTS	**09/07/2005**	**NA**	**7**
EGSA GWTS	**10/12/2005**	**7**	**7**
EGSA GWTS	**11/01/2005**	**NA**	**7**
EGSA GWTS	**12/06/2005**	**NA**	**7**
CGSA GWTS	**07/14/2005**	**7**	**7.5**
CGSA GWTS	**08/10/2005**	**NA**	**7**
CGSA GWTS	**09/20/2005**	**NA**	**7.2**
CGSA GWTS	**10/11/2005**	**7**	**7.5**
CGSA GWTS	**11/01/2005**	**NA**	**7.5**
CGSA GWTS	**12/07/2005**	**NA**	**7**
Building 834 OU			
B834 GWTS	**07/12/2005**	**6.8**	**6.7**
B834 GWTS	**08/02/2005**	**7.2**	**7**
B834 GWTS	**09/07/2005**	**7.2**	**6.8**
B834 GWTS	**10/11/2005**	**7**	**7**
B834 GWTS	**11/01/2005**	**6.5**	**7.5**
B834 GWTS	**12/08/2005**	**7.1**	**7**
HEPA OU			
B815-SRC GWTS	**07/13/2005**	**7**	**7**
B815-SRC GWTS	**08/09/2005**	**NA**	**7**
B815-SRC GWTS	**09/07/2005**	**NA**	**7**
B815-SRC GWTS	**10/12/2005**	**7**	**7**
B815-SRC GWTS	**11/01/2005**	**NA**	**7**
B815-SRC GWTS	**12/01/2005**	**NA**	**6.5**
B815-SRC GWTS	**12/14/2005**	**7**	**6.5**
B815-PRX GWTS	**07/21/2005**	**7**	**7**
B815-PRX GWTS	**08/09/2005**	**NA**	**7**
B815-PRX GWTS	**09/07/2005**	**NA**	**7**
B815-PRX GWTS	**10/17/2005**	**7**	**7**

A-1. Results of infuent and effluent pH monitoring, July through December 2005.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result
B815-PRX GWTS	**11/01/2005**	**NA**	**7**
B815-PRX GWTS	**12/06/2005**	**NA**	**7**
B815-DSB GWTS	**07/13/2005**	**7**	**7**
B815-DSB GWTS	**08/09/2005**	**NA**	**7**
B815-DSB GWTS	**09/07/2005**	**NA**	**7**
B815-DSB GWTS	**10/12/2005**	**7**	**7**
B815-DSB GWTS	**11/01/2005**	**NA**	**7**
B815-DSB GWTS	**12/01/2005**	**NA**	**6.5**
B817-SRC GWTS	**07/13/2005**	**6.5**	**7**
B817-SRC GWTS	**08/23/2005**	**NA**	**7**
B817-SRC GWTS	**09/08/2005**	**NA**	**7.3**
B817-SRC GWTS	**10/05/2005**	**7**	**7**
B817-SRC GWTS	**11/02/2005**	**NA**	**7**
B817-SRC GWTS	**12/06/2005**	**NA**	**7**
B817-PRX GWTS	**07/31/2005**	**NA**	**NA**
B817-PRX GWTS	**08/31/2005**	**NA**	**NA**
B817-PRX GWTS	**09/21/2005**	**7**	**7**
B817-PRX GWTS	**09/28/2005**	**NA**	**7**
B817-PRX GWTS	**10/24/2005**	**7**	**7**
B817-PRX GWTS	**11/01/2005**	**NA**	**7**
B817-PRX GWTS	**12/01/2005**	**NA**	**6.5**
B829-SRC GWTS	**07/31/2005**	**NA**	**NA**
B829-SRC GWTS	**08/18/2005**	**7**	**7**
B829-SRC GWTS	**08/19/2005**	**NA**	**7**
B829-SRC GWTS	**09/30/2005**	**NA**	**NA**
B829-SRC GWTS	**10/20/2005**	**6.5**	**6.5**
B829-SRC GWTS	**11/03/2005**	**NA**	**7**
B829-SRC GWTS	**12/07/2005**	**NA**	**6.5**
Building 854 OU			
B854-SRC GWTS	**07/13/2005**	**7**	**7**
B854-SRC GWTS	**08/23/2005**	**NA**	**7**
B854-SRC GWTS	**09/07/2005**	**NA**	**7**

A-1. Results of infuent and effluent pH monitoring, July through December 2005.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result
B854-SRC GWTS	**10/05/2005**	**7**	**7**
B854-SRC GWTS	**11/01/2005**	**NA**	**6.5**
B854-SRC GWTS	**12/07/2005**	**NA**	**7**
B854-PRX GWTS	**07/12/2005**	**7**	**7**
B854-PRX GWTS	**08/11/2005**	**NA**	**7**
B854-PRX GWTS	**09/07/2005**	**NA**	**7**
B854-PRX GWTS	**10/04/2005**	**7**	**7**
B854-PRX GWTS	**11/01/2005**	**NA**	**6.5**
B854-PRX GWTS	**12/07/2005**	**NA**	**6.5**
832 Canyon OU			
B832-SRC GWTS	**07/12/2005**	**7.2**	**7**
B832-SRC GWTS	**08/10/2005**	**6.9**	**7**
B832-SRC GWTS	**09/13/2005**	**6.8**	**7**
B832-SRC GWTS	**09/28/2005**	**6.8**	**7**
B832-SRC GWTS	**10/06/2005**	**7**	**7**
B832-SRC GWTS	**11/01/2005**	**7.1**	**7**
B832-SRC GWTS	**12/08/2005**	**7.4**	**7**
B830-SRC GWTS	**07/14/2005**	**7**	**7**
B830-SRC GWTS	**08/11/2005**	**NA**	**7**
B830-SRC GWTS	**09/13/2005**	**NA**	**7**
B830-SRC GWTS	**10/05/2005**	**7**	**7**
B830-SRC GWTS	**11/02/2005**	**NA**	**7**
B830-SRC GWTS	**12/06/2005**	**NA**	**7**
B830-PRXN GWTS	**07/12/2005**	**7**	**7**
B830-PRXN GWTS	**08/09/2005**	**NA**	**7**
B830-PRXN GWTS	**09/07/2005**	**NA**	**7**
B830-PRXN GWTS	**10/12/2005**	**7**	**7**
B830-PRXN GWTS	**11/01/2005**	**NA**	**7**
B830-PRXN GWTS	**12/06/2005**	**NA**	**7**
B830-DISS GWTS	**07/31/2005**	**NA**	**NA**
B830-DISS GWTS	**08/11/2005**	**NA**	**7**
B830-DISS GWTS	**09/07/2005**	**NA**	**7**

A-1. Results of infuent and effluent pH monitoring, July through December 2005.

Sample Location	Sample Date	Influent pH Result	Effluent pH Result
B830-DISS GWTS	10/04/2005	6.5	6.5
B830-DISS GWTS	11/09/2005	NA	6.5
B830-DISS GWTS	12/12/2005	NA	6.5

Notes:

B834 = Building 834.
B815 = Building 815.
B817 = Building 817.
B829 = Building 829.
B854 = Building 854.
B832 = Building 832.
B830 = Building 830.
CGSA = Central General Services Area.
EGSA = Eastern General Services Area.
DISS = Distal south.
DSB = Distal site boundary.
GWTS = Ground water treatment system.
PRX = Proximal.
PRXN = Proximal North.
SRC = Source.
NA = Not applicable.
OU = Operable unit.
pH= A measure of the acidity or alkalinity of an aqueous solution.

Appendix B

Analytical Results for Routine Monitoring During 2005

Appendix B

Analytical Results for Routine Monitoring During 2005

B-36. Pit 2 Landfill general minerals in ground water.
B-37. Pit 2 Landfill metals and silica in ground water.
B-38. Building 854 OU VOCs in ground and surface water.
B-39. Building 854 OU nitrate and perchlorate in ground and surface water.
B-40. Building 854 OU PCBs in ground water.
B-41. Building 832 Canyon OU VOCs in ground and surface water.
B-42. Building 832 Canyon OU nitrate and perchlorate in ground and surface water.
B-43. Building 832 Canyon OU general minerals in ground water.
B-44. Building 832 Canyon OU metals in ground water.
B-45. Building 832 Canyon OU radiological constituents in ground water.
B-46. Building 832 Canyon OU uranium and thorium isotopes by mass spectrometry in ground water.
B-47. Building 851 Firing Table uranium and thorium isotopes by mass spectrometry in ground water.
B-48. Building 851 Firing Table tritium in ground water.
B-49. Building 851 Firing Table VOCs in ground water.
B-50. Building 851 Firing Table silica in ground water.
B-51. Building 851 Firing Table general minerals in ground water.
B-52. Building 845 Firing Table and Pit 9 Landfill tritium in ground water.
B-53. Building 845 Firing Table and Pit 9 Landfill uranium and thorium isotopes by mass spectrometry in ground water.
B-54. Building 845 Firing Table and Pit 9 Landfill metals and silica in ground water.
B-55. Building 845 Firing Table and Pit 9 Landfill VOCs in ground water.
B-56. Building 845 Firing Table and Pit 9 Landfill high explosive compounds in ground water.
B-57. Building 845 Firing Table and Pit 9 Landfill nitrate and perchlorate in ground water.
B-58. Building 845 Firing Table and Pit 9 Landfill general minerals in ground water.
B-59. Building 833 VOCs in ground water.
B-60. Building 801 Firing Table and Pit 8 Landfill tritium in ground water.
B-61. Building 801 Firing Table and Pit 8 Landfill uranium and thorium isotopes by mass spectrometry in ground water.
B-62. Building 801 Firing Table and Pit 8 Landfill metals and silica in ground water.
B-63. Building 801 Firing Table and Pit 8 Landfill VOCs in ground water.
B-64. Building 801 Firing Table and Pit 8 Landfill high explosive compounds in ground water.
B-65. Building 801 Firing Table and Pit 8 Landfill nitrate and perchlorate in ground water.
B-66. Building 801 Firing Table and Pit 8 Landfill general minerals in ground water.

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CDF1	1/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	1/11/05	E502.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CDF1	2/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	03/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	4/19/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	4/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	04/19/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CDF1	04/19/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	5/17/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	6/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	06/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	7/18/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	7/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	07/18/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<1	<0.5
CDF1	07/18/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	8/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	9/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	09/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	10/18/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	10/18/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CDF1	10/18/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	11/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	11/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	12/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CDF1	12/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	1/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	1/11/05	E502.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CON1	2/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	03/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	4/19/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	4/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	04/19/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CON1	04/19/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	5/17/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	6/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	06/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	7/12/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	7/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	07/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	07/12/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CON1	8/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	08/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	9/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	09/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	10/13/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	10/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	10/13/05 DUP	E502.2	<0.5 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CON1	10/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	11/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	11/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	12/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON1	12/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	3/1/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
CON2	4/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	7/18/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CON2	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	7/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-24P-03	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-01	4/28/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-01	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-02	4/28/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25D-02	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-01	5/2/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-01	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	4/27/05	E601	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	04/27/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	12/12/05	E601	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-02	12/12/05 DUP	E601	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-03	5/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25M-03	12/12/05	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	1/11/05	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	4/11/05	E601	1.3	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	8/9/05	E601	0.95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-01	10/18/05	E601	0.89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-04	4/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-04	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	4/27/05	E601	1.7	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	04/27/05 DUP	E601	1.8	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	12/12/05	E601	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-05	12/12/05 DUP	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-06	4/27/05	E601	0.77	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-06	12/12/05	E601	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	4/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-07	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-08	4/29/05	E601	0.62 BL	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-08	11/1/05	E601	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-09	4/29/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-25N-09	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	4/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	07/11/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-10	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	4/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-11	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	4/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-12	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	4/18/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-13	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-15	4/28/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-15	12/8/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-18	4/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-18	12/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-20	4/29/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-20	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-21	4/28/05	E601	<0.5 BLO	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-21	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-22	4/28/05	E601	<0.5 BLO	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-22	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-23	4/28/05	E601	1.1 BLO	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-23	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	1/11/05	E601	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	4/11/05	E601	2.7	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	8/9/05	E601	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-24	10/17/05	E601	2.9 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-25	5/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-25	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-26	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-26	12/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-28	4/27/05	E601	<0.5 E	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-25N-28	12/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	4/29/05	E601	3.9	0.5	<0.5	<0.5	<0.5	0.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	7/27/05	E601	4	0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	07/27/05 DUP	E601	4	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-01	10/17/05	E601	3.5 L	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-02	4/29/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-02	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	1/11/05	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	4/11/05	E601	2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	8/9/05	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-03	10/18/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	4/29/05	E601	5.1	0.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	04/29/05 DUP	E601	5.1	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	7/11/05	E601	4.6	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	10/17/05	E601	4.3 B	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-04	10/17/05 DUP	E601	4.2 B	0.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	4/29/05	E601	0.83	<0.5 E	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	7/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-05	11/2/05	E601	0.6	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	5/12/05	E601	3.7	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	7/11/05	E601	4.4	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-06	10/17/05	E601	3.6 B	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-07	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-07	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-08	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-08	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-11	11/1/05	E601	0.96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-26R-11	11/01/05 DUP	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-01	3/21/05	E601	110 DL	8.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	1.1	<0.5	<0.5
W-35A-01	03/21/05 DUP	E601	110 DL	8.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	1.1	<0.5	<0.5
W-35A-01	5/9/05	E601	62	4	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	0.54	<0.5	<0.5
W-35A-01	05/09/05 DUP	E601	74	4.7	0.74	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	0.63	<0.5	<0.5
W-35A-01	7/11/05	E601	60	3.6	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-01	07/11/05 DUP	E601	62	3.9	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	0.51	<0.5	<0.5
W-35A-01	10/5/05	E601	140 BJL	8.7	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	1.1	<0.5	<0.5
W-35A-02	5/4/05	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5
W-35A-02	7/28/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-02	10/5/05	E601	<0.5 BJL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-03	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-03	10/5/05	E601	<0.5 BJL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	8/3/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-04	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-05	5/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-05	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-06	5/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-06	10/5/05	E601	<0.5 BJL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-07	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-07	10/5/05	E601	<0.5 BJL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-08	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-08	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-09	5/4/05	E601	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.89	<0.5	<0.5
W-35A-09	05/04/05 DUP	E601	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5
W-35A-09	10/18/05	E601	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-35A-09	10/18/05 DUP	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5
W-35A-10	5/11/05	E601	22	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5
W-35A-10	05/11/05 DUP	E601	22	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5
W-35A-10	10/18/05	E601	18	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5
W-35A-10	10/18/05 DUP	E601	18	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	<0.5	<0.5
W-35A-11	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-11	10/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-12	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-12	10/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-13	5/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-13	10/5/05	E601	<0.5 BJL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-14	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35A-14	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7A	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7A	10/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	05/04/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7B	11/01/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7C	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7C	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7D	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7D	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	2/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7DS	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7E	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	46	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7E	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7ES	2/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7ES	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7F	5/6/05	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7F	05/06/05 DUP	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7F	10/25/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7F	10/25/05 DUP	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7G	5/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7G	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7G	10/18/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7H	5/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7H	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	1/12/05	E601	240 D	14	28	2.2	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	4/6/05	E601	190 BD	13	26	2.4	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	7/14/05	E601	400 D	23	39	2.9	<0.5	<0.5	0.56	0.62	7	<0.5	<0.5	<0.5	<0.5	<0.5
W-7I	10/12/05	E601	380 BD	4.2	22	1.5	<0.5	<0.5	<0.5	<0.5	6	<0.5	<0.5	<0.5	<0.5	<0.5
W-7J	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7J	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7K	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7K	10/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7L	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7L	10/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7M	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7M	11/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7N	5/6/05	E601	0.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7N	11/1/05	E601	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7O	1/12/05	E601	98 D	6.8	0.87	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	0.57	<0.5	<0.5
W-7O	4/6/05	E601	80 B	5.7	0.92	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
W-7O	7/14/05	E601	63	4.4	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5
W-7O	10/11/05	E601	79 B	5.6	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	0.55	<0.5	<0.5
W-7P	1/20/05	E601	5.1	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	01/20/05 DUP	E601	6.9	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	5/4/05	E601	19	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-7P	7/12/05	E601	18	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	07/12/05 DUP	E601	19	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7P	11/1/05	E601	8.2	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	2/8/05	E601	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	5/4/05	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	8/1/05	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7PS	11/2/05	E601	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	5/4/05	E601	41	5.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	7/11/05	E601	33	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7Q	10/18/05	E601	47	5.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	5/4/05	E601	8.2	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	7/14/05	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7R	10/11/05	E601	2.8 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7S	10/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	5/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	7/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-7T	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-01	5/5/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-01	11/16/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-02	5/5/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-843-02	11/16/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-872-01	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-872-01	11/16/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-872-01	11/16/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-872-02	7/14/05	E601	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	17	<0.5	<0.5
W-873-01	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
W-873-01	11/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-02	5/6/05	E601	7.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	24	-	<0.5
W-873-02	11/14/05	E601	7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5
W-873-03	5/6/05	E601	<0.5	<0.5	<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-1. General Services Area OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-873-03	11/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-04	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-04	11/7/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-873-06	5/6/05	E601	6.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5
W-873-06	11/14/05	E601	4.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5
W-873-07	1/12/05	E601	7.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	22	<0.5	<0.5
W-873-07	4/6/05	E601	6.9 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20	<0.5	<0.5
W-873-07	7/14/05	E601	6.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5
W-873-07	10/11/05	E601	7.3 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5
W-CGSA-1733	5/3/05	E601	5.3 B	1.1 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1733	7/12/05	E601	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1733	10/26/05	E601	7.2	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1736	5/3/05	E601	6.5 B	0.74 B	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1736	10/26/05	E601	5.3	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1737	5/3/05	E601	<0.5 BE	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1737	10/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	5/4/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	7/12/05	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-CGSA-1739	10/26/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-01	5/10/05	E601	24	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-01	10/12/05	E601	23	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-875-02	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-02	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-03	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-04	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-04	10/11/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-05	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-05	10/11/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-06	5/10/05	E601	0.91	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-06	10/11/05	E601	0.87 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-07	1/12/05	E601	350 D	28	9.7	<0.5	<0.5	<0.5	<0.5	0.93	1.9	<0.5	1.1	<0.5	<0.5	<0.5
W-875-07	4/6/05	E601	480 BD	52	11	<0.5	<0.5	<0.5	<0.5	0.65	4	<0.5	0.73	<0.5	<0.5	<0.5
W-875-07	7/14/05	E601	370 D	47	12	<0.5	<0.5	<0.5	<0.5	0.72	3.8	<0.5	0.72	<0.5	<0.5	<0.5
W-875-07	10/11/05	E601	350 BD	10	16	0.86	<0.5	<0.5	<0.5	<0.5	5.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	1/12/05	E601	270 D	1.2	15	0.75	<0.5	<0.5	<0.5	<0.5	3.9	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	4/6/05	E601	270 BD	3.2	14	0.74	<0.5	<0.5	<0.5	<0.5	4.4	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	7/14/05	E601	300 D	3.5	16	1	<0.5	<0.5	<0.5	<0.5	4.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-875-08	10/11/05	E601	380 BD	0.95	19	1.2	<0.5	<0.5	<0.5	<0.5	6.8	<0.5	<0.5	<0.5	<0.5	<0.5
W-876-01	5/11/05	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-876-01	10/11/05	E601	1.8 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-879-01	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-879-01	11/7/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-889-01	5/5/05	E601	47	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-889-01	11/7/05	E601	35 B	<0.5	0.85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Chloroethane (µg/L)	Dibromochloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
CDF1	1/11/05	E502.2	0 of 46	-	-	-	-	-	-	-
CDF1	1/11/05	E502.2	0 of 17	-	-	-	-	-	-	-
CDF1	2/11/05	E601	0 of 19	-	-	-	-	-	-	-
CDF1	3/10/05	E601	0 of 19	-	-	-	-	-	-	-
CDF1	03/10/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CDF1	4/19/05	E502.2	0 of 48	-	-	-	-	-	-	-
CDF1	4/19/05	E601	0 of 17	-	-	-	-	-	-	-
CDF1	04/19/05 DUP	E502.2	0 of 46	-	-	-	-	-	-	-
CDF1	04/19/05 DUP	E601	0 of 17	-	-	-	-	-	-	-
CDF1	5/17/05	E601	0 of 18	-	-	-	-	-	-	-
CDF1	6/14/05	E601	0 of 19	-	-	-	-	-	-	-
CDF1	06/14/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CDF1	7/18/05	E502.2	0 of 48	-	-	-	-	-	-	-
CDF1	7/18/05	E601	0 of 17	-	-	-	-	-	-	-
CDF1	07/18/05 DUP	E502.2	0 of 46	-	-	-	-	-	-	-
CDF1	07/18/05 DUP	E601	0 of 17	-	-	-	-	-	-	-
CDF1	8/10/05	E601	0 of 18	-	-	-	-	-	-	-
CDF1	9/13/05	E601	0 of 19	-	-	-	-	-	-	-
CDF1	09/13/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CDF1	10/18/05	E502.2	0 of 48	-	-	-	-	-	-	-
CDF1	10/18/05	E601	0 of 17	-	-	-	-	-	-	-
CDF1	10/18/05 DUP	E502.2	0 of 46	-	-	-	-	-	-	-
CDF1	10/18/05 DUP	E601	0 of 17	-	-	-	-	-	-	-
CDF1	11/10/05	E601	0 of 19	-	-	-	-	-	-	-
CDF1	11/10/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CDF1	12/15/05	E601	0 of 19	-	-	-	-	-	-	-
CDF1	12/15/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON1	1/11/05	E502.2	0 of 46	-	-	-	-	-	-	-
CON1	1/11/05	E502.2	0 of 17	-	-	-	-	-	-	-
CON1	2/11/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	3/10/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	03/10/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON1	4/19/05	E502.2	0 of 48	-	-	-	-	-	-	-
CON1	4/19/05	E601	0 of 17	-	-	-	-	-	-	-
CON1	04/19/05 DUP	E502.2	0 of 46	-	-	-	-	-	-	-
CON1	04/19/05 DUP	E601	0 of 17	-	-	-	-	-	-	-
CON1	5/17/05	E601	0 of 18	-	-	-	-	-	-	-
CON1	6/14/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	06/14/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON1	7/12/05	E502.2	0 of 48	-	-	-	-	-	-	-
CON1	7/12/05	E601	0 of 17	-	-	-	-	-	-	-
CON1	07/12/05 DUP	E502.2	0 of 46	-	-	-	-	-	-	-
CON1	07/12/05 DUP	E502.2	0 of 17	-	-	-	-	-	-	-
CON1	8/9/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	08/09/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON1	9/12/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	09/12/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON1	10/13/05	E502.2	0 of 48	-	-	-	-	-	-	-
CON1	10/13/05	E601	0 of 17	-	-	-	-	-	-	-
CON1	10/13/05 DUP	E502.2	0 of 46	-	-	-	-	-	-	-
CON1	10/13/05 DUP	E601	0 of 17	-	-	-	-	-	-	-
CON1	11/10/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	11/10/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON1	12/14/05	E601	0 of 19	-	-	-	-	-	-	-
CON1	12/14/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
CON2	3/1/05	E624	0 of 19	-	-	-	-	-	-	-
CON2	4/26/05	E601	0 of 19	-	-	-	-	-	-	-
CON2	7/18/05	E601	0 of 19	-	-	-	-	-	-	-
CON2	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-24P-03	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-24P-03	7/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-24P-03	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25D-01	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25D-01	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25D-02	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25D-02	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25M-01	5/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25M-01	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25M-02	4/27/05	E601	0 of 19	-	-	-	-	-	-	-
W-25M-02	04/27/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-25M-02	12/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-25M-02	12/12/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-25M-03	5/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25M-03	12/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-01	1/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-01	4/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-01	8/9/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-01	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-04	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-04	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-05	4/27/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-05	04/27/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-25N-05	12/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-05	12/12/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-25N-06	4/27/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-06	12/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-07	1/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-07	4/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-07	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-07	10/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-08	4/29/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-08	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-09	4/29/05	E601	0 of 18	-	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Chloroethane (µg/L)	Dibromochloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-25N-09	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-10	1/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-10	4/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-10	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-10	07/11/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-25N-10	10/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-11	1/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-11	4/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-11	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-11	10/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-12	1/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-12	4/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-12	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-12	10/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-13	1/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-13	4/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-13	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-13	10/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-15	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-15	12/8/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-18	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-18	12/8/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-20	4/29/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-20	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-21	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-21	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-22	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-22	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-23	4/28/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-23	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-24	1/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-24	4/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-24	8/9/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-24	10/17/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-25	5/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-25	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-26	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-26	12/8/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-28	4/27/05	E601	0 of 19	-	-	-	-	-	-	-
W-25N-28	12/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-01	4/29/05	E601	2 of 19	-	-	0.87	-	-	-	2
W-26R-01	7/27/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-01	07/27/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-26R-01	10/17/05	E601	3 of 18	-	1.3	3.4	-	0.9	-	-
W-26R-02	4/29/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-02	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-03	1/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-03	4/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-03	8/9/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-03	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-04	4/29/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-04	04/29/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-26R-04	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-04	10/17/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-04	10/17/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-26R-05	4/29/05	E601	1 of 19	-	-	-	-	-	-	2.2
W-26R-05	7/26/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-05	11/2/05	E601	0 of 18	-	-	-	-	-	-	-
W-26R-06	5/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-06	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-06	10/17/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-07	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-07	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-08	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-08	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-11	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-26R-11	11/01/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-35A-01	3/21/05	E601	1 of 19	1.3	-	-	-	-	-	-
W-35A-01	03/21/05 DUP	E601	1 of 19	1.3	-	-	-	-	-	-
W-35A-01	5/9/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-01	05/09/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-35A-01	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-01	07/11/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-35A-01	10/5/05	E601	1 of 19	1.2	-	-	-	-	-	-
W-35A-02	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-02	7/28/05	E601	0 of 18	-	-	-	-	-	-	-
W-35A-02	10/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-03	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-03	10/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-04	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-04	8/3/05	E502.2	0 of 46	-	-	-	-	-	-	-
W-35A-04	10/12/05	E601	1 of 19	-	-	0.64	-	-	-	-
W-35A-05	5/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-05	10/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-06	5/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-06	10/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-07	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-07	10/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-08	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-08	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-09	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-09	05/04/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-35A-09	10/18/05	E601	0 of 19	-	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Chloroethane (µg/L)	Dibromochloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-35A-09	10/18/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-35A-10	5/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-10	05/11/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-35A-10	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-10	10/18/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-35A-11	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-11	10/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-12	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-12	10/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-13	5/9/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-13	10/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-14	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-35A-14	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-7A	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7A	10/25/05	E601	0 of 18	-	-	-	-	-	-	-
W-7B	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7B	05/04/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-7B	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7B	11/01/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-7C	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7C	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7D	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-7D	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7DS	2/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7DS	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-7DS	7/25/05	E601	0 of 19	-	-	-	-	-	-	-
W-7DS	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-7E	5/6/05	E601	6 of 19	-	27	15	0.55	26	7.9 B	110
W-7E	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7ES	2/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7ES	7/25/05	E601	0 of 19	-	-	-	-	-	-	-
W-7F	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7F	05/06/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-7F	10/25/05	E601	0 of 18	-	-	-	-	-	-	-
W-7F	10/25/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-7G	5/3/05	E601	0 of 19	-	-	-	-	-	-	-
W-7G	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-7G	10/18/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-7H	5/3/05	E601	0 of 19	-	-	-	-	-	-	-
W-7H	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-7I	1/12/05	E601	1 of 19	31	-	-	-	-	-	-
W-7I	4/6/05	E601	1 of 19	28	-	-	-	-	-	-
W-7I	7/14/05	E601	1 of 19	42	-	-	-	-	-	-
W-7I	10/12/05	E601	1 of 19	23	-	-	-	-	-	-
W-7J	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7J	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-7K	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7K	10/25/05	E601	0 of 18	-	-	-	-	-	-	-
W-7L	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7L	10/25/05	E601	0 of 18	-	-	-	-	-	-	-
W-7M	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7M	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7N	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7N	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7O	1/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-7O	4/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-7O	7/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-7O	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-7P	1/20/05	E601	0 of 19	-	-	-	-	-	-	-
W-7P	01/20/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-7P	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7P	7/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-7P	07/12/05 DUP	E601	0 of 18	-	-	-	-	-	-	-
W-7P	11/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7PS	2/8/05	E601	0 of 19	-	-	-	-	-	-	-
W-7PS	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7PS	8/1/05	E601	0 of 19	-	-	-	-	-	-	-
W-7PS	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-7Q	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7Q	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-7Q	10/18/05	E601	0 of 19	-	-	-	-	-	-	-
W-7R	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7R	7/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-7R	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-7S	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7S	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-7S	10/25/05	E601	0 of 18	-	-	-	-	-	-	-
W-7T	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-7T	7/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-7T	11/2/05	E601	0 of 19	-	-	-	-	-	-	-
W-843-01	5/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-843-01	11/16/05	E601	0 of 19	-	-	-	-	-	-	-
W-843-02	5/5/05	E601	0 of 19	-	-	-	-	-	-	-
W-843-02	11/16/05	E601	0 of 19	-	-	-	-	-	-	-
W-872-01	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-872-01	11/16/05	E601	0 of 19	-	-	-	-	-	-	-
W-872-01	11/16/05 DUP	E601	0 of 19	-	-	-	-	-	-	-
W-872-02	7/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-01	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-01	11/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-02	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-02	11/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-03	5/6/05	E601	0 of 19	-	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Chloroethane (µg/L)	Dibromochloromethane (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-873-03	11/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-04	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-04	11/7/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-06	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-06	11/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-07	1/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-07	4/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-07	7/14/05	E601	0 of 19	-	-	-	-	-	-	-
W-873-07	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1733	5/3/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1733	7/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1733	10/26/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1736	5/3/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1736	10/26/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1737	5/3/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1737	10/26/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1739	5/4/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1739	7/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-CGSA-1739	10/26/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-01	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-01	10/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-02	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-02	10/12/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-03	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-04	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-04	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-05	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-05	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-06	5/10/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-06	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-875-07	1/12/05	E601	1 of 19	9.7	-	-	-	-	-	-
W-875-07	4/6/05	E601	1 of 19	11	-	-	-	-	-	-
W-875-07	7/14/05	E601	1 of 19	12	-	-	-	-	-	-
W-875-07	10/11/05	E601	1 of 19	17	-	-	-	-	-	-
W-875-08	1/12/05	E601	1 of 19	16	-	-	-	-	-	-
W-875-08	4/6/05	E601	1 of 19	15	-	-	-	-	-	-
W-875-08	7/14/05	E601	1 of 19	17	-	-	-	-	-	-
W-875-08	10/11/05	E601	1 of 19	20	-	-	-	-	-	-
W-876-01	5/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-876-01	10/11/05	E601	0 of 19	-	-	-	-	-	-	-
W-879-01	5/6/05	E601	0 of 19	-	-	-	-	-	-	-
W-879-01	11/7/05	E601	0 of 19	-	-	-	-	-	-	-
W-889-01	5/5/05	E601	1 of 19	1.3	-	-	-	-	-	-
W-889-01	11/7/05	E601	0 of 19	-	-	-	-	-	-	-

OU1-VOC [ug/L] 2005 data (prepared 2006-03-08 12:43:57, Oracle)

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

Location	Date	Barium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Potassium (mg/L)	Zinc (mg/L)
CDF1	1/11/05	-	-	-	-	-	9.1	-
CON1	1/11/05	-	-	-	-	-	9.7	-
W-25N-04	4/28/05	0.012	-	-	-	-	-	-
W-25N-04	11/1/05	<0.025	-	-	-	-	-	-
W-35A-01	5/9/05	-	<0.01	-	<0.01 D	-	-	-
W-35A-02	5/4/05	-	-	-	-	-	-	0.02
W-35A-04	5/4/05	-	-	<0.05	-	-	-	-
W-35A-04	8/3/05	-	-	-	-	-	5.4	-
W-35A-05	5/11/05	-	-	-	<0.01 D	-	-	-
W-7A	5/4/05	-	-	-	<0.002	-	-	-
W-7L	5/6/05	-	-	<0.01	-	-	-	-
W-7N	5/6/05	-	-	-	-	<0.0002	-	-
W-7O	12/27/05	-	-	<0.01	-	-	-	<0.01
W-872-01	5/10/05	-	-	<0.01	<0.01 D	-	-	-
W-873-04	5/10/05	-	-	-	<0.01 D	-	-	-
W-873-06	5/6/05	-	<0.01	-	-	-	-	-
W-875-01	5/10/05	-	<0.01	<0.01	<0.01 D	-	-	0.036
W-875-04	5/10/05	-	-	-	<0.01 D	-	-	-
W-875-07	4/6/05	-	-	-	0.0035	-	-	-
W-875-07	7/14/05	-	-	-	0.023 D	-	-	-
W-875-07	10/11/05	-	-	-	<0.005 L	-	-	-

OU1-METALS [mg/L] 2005 data (prepared 2006-03-03 08:23:20, Oracle)

B-3. General Services Area OU high explosives in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
CDF1	1/11/05	<5	<5
CDF1	4/19/05	<5 D	<5 D
CDF1	04/19/05 DUP	<1	<1
CDF1	7/18/05	<3.5	<3.5
CDF1	07/18/05 DUP	<1	<1
CDF1	10/18/05	<5	<5
CDF1	10/18/05 DUP	<1	<1
CON1	1/11/05	<5	<5
CON1	4/19/05	<4.1	<4.1
CON1	04/19/05 DUP	<1	<1
CON1	7/12/05	<3	<3
CON1	07/12/05 DUP	<1	<1
CON1	10/13/05	<5	<5
CON1	10/13/05 DUP	<1	<1
W-25M-01	5/2/05	<5 D	<5 D
W-25M-01	11/2/05	<5	<5
W-35A-04	8/3/05	<3.2	<3.2

OU1-HE [ug/L] 2005 data (prepared 2006-03-03 08:23:06, Oracle)

B-4. General Services Area OU nutrients and anions in ground water.

Location	Date	Ammonia Nitrogen (as N) (mg/L)	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Nitrite (as N) (mg/L)	Nitrite (as NO2) (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Perchlorate (µg/L)
CDF1	4/19/05	-	-	4.7	-	-	-	<4
CDF1	04/19/05 DUP	-	-	2.1	-	-	-	<4
CDF1	7/18/05	-	-	5.2	-	-	-	<4
CDF1	07/18/05 DUP	-	-	-	-	-	-	<4
CDF1	10/18/05	-	-	1.5	-	-	-	<4
CDF1	10/18/05 DUP	-	-	0.85	-	-	-	<4
CON1	4/19/05	-	-	<1 D	-	-	-	<4
CON1	04/19/05 DUP	-	-	<0.1	-	-	-	<4
CON1	7/12/05	-	<1 D	-	-	-	-	<4
CON1	07/12/05 DUP	-	-	<0.1	-	-	-	<4
CON1	10/13/05	-	-	<1 D	-	-	-	4.3
CON1	10/13/05 DUP	-	-	<0.1	-	-	-	<4
W-25M-01	5/2/05	0.58 DH	<1 D	2.5 H	<0.5	<0.065 H	2.2 LH	26
W-25M-01	11/2/05	0.54 HL	0.33 D	1.5 H	<0.5	<0.5 H	3.7 D	<4
W-25N-04	4/28/05	-	-	-	-	-	-	<4
W-25N-04	11/1/05	-	-	-	-	-	-	<4
W-25N-20	2/2/05	-	-	9.16 D	-	-	-	-
W-25N-20	7/27/05	-	-	11 D	-	-	-	-
W-26R-01	2/7/05	-	-	29.1	-	-	-	-
W-26R-01	02/07/05 DUP	-	-	29	-	-	-	-
W-26R-01	7/27/05	-	-	21	-	-	-	-
W-26R-01	07/27/05 DUP	-	-	21	-	-	-	-
W-26R-05	2/7/05	-	-	0.48	-	-	-	-
W-26R-05	7/26/05	-	-	21	-	-	-	-
W-26R-11	2/8/05	-	-	14.2	-	-	-	-
W-26R-11	8/1/05	-	-	13 D	-	-	-	-
W-35A-04	8/3/05	-	-	14 D	-	-	-	<4
W-7DS	2/1/05	-	-	9.02 D	-	-	-	-
W-7DS	7/25/05	-	-	11 D	-	-	-	-
W-7E	2/1/05	-	-	<0.44	-	-	-	-
W-7E	7/25/05	-	-	11 D	-	-	-	-
W-7ES	2/1/05	-	-	9.22 D	-	-	-	-
W-7ES	7/25/05	-	-	<0.5	-	-	-	-
W-7P	11/1/05	-	-	15	-	-	-	<4
W-7PS	2/8/05	-	-	18.1	-	-	-	-
W-7PS	8/1/05	-	-	17	-	-	-	-

OU1-E300NUT [mg/L; ug/L] 2005 data (prepared 2006-03-03 08:22:48, Oracle)

B-5. Building 834 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-834-1709	1/20/05	E624	16,000 D	100 D	260 D	0.86	<0.5	2.9	<0.5	<0.5	1.8	<0.5	4	<0.5	<0.5	<0.5
W-834-1709	8/9/05	E601	9,200 D	64 D	910 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-834-1711	1/20/05	E624	1,100 D	7.2	0.79	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1711	8/9/05	E601	860 D	3.8	0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-2001	2/1/05	E624	710 D	17 D	20 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-834-2001	8/10/05	E624	6,000 D	<50 D	370 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2113	6/28/05	E624	13,000 D	<50 D	110 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2113	9/27/05	E624	20,000 DHL	42 H	150 H	4.4 H	2.1 H	7.1 H	<1 H	<1 H	<1 H	<1 H	5.5 H	6.1 H	<1 H	<1 H
W-834-2113	10/17/05	E624	20,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH
W-834-2113	10/17/05 DUP	E624	17,000 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH
W-834-2117	6/28/05	E624	20,000 D	99 D	84 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2117	9/27/05	E624	22,000 DHL	80 H	130 H	1.7 H	4 H	8.1 H	<1 H	<1 H	<1 H	<1 H	4.2 H	6.1 H	<1 H	<1 H
W-834-2117	10/4/05	E624	10,000 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-2117	10/04/05 DUP	E624	14,000 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-2118	6/29/05	E624	600 BD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-2118	9/27/05	E624	310 DHL	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H	<1 H
W-834-2118	10/17/05	E624	320 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH
W-834-2119	5/23/05	E601	7,000 D	8.5	6.1	0.5	1.1	2.4	<0.5	<0.5	<0.5	<0.5	1.3	2.1	<0.5	<0.5
W-834-2119	8/22/05	E624	10,000 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-2119	10/4/05	E624	6,300 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-A1	1/20/05	E624	170,000 D	890 D	270 D	14	<0.5	30	<0.5	2.2	62	<0.5	16	29	<0.5	0.63
W-834-A1	8/4/05	E624	190,000 BD	1,000 D	410 D	<50 D	<50 D	<50 D	<50 D	<50 D	69 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-A2	1/20/05	E624	7,500 D	12 D	960 D	1.2	<0.5	2	<0.5	<0.5	2.2	<0.5	2.9	<0.5	<0.5	<0.5
W-834-B2	3/14/05	E624	1,500 D	48 D	160 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-834-B2	6/14/05	E601	4,200 D	190 D	1,800 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-B2	8/2/05	E601	3,500 D	76 D	850 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-B2	10/11/05	E601	5,600 BD	120 D	990 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-B3	3/10/05	E624	120 D	<5 D	2,900 D	<5 DE	<5 D	<5 D	<5 D	<5 D	10 D	<5 D	<5 D	<5 D	<5 D	5.8 D
W-834-B3	6/14/05	E601	380 D	<5 D	2,800 D	<5 D	<5 D	<5 D	<5 D	<5 D	12 D	<5 D	<5 D	<5 D	<5 D	8.1 D
W-834-B3	8/2/05	E601	1,900 D	<25 D	8,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	54 D	<25 D	<25 D	<25 D	<25 D	36 D
W-834-B3	10/11/05	E601	690 BD	<5 D	3,700 D	<5 D	<5 D	<5 D	<5 D	<5 D	11 D	<5 D	<5 D	<5 D	<5 D	6 D
W-834-B4	2/7/05	E624	18,000 D	<30 D	7,600 D	<30 D	<30 D	<30 D	<30 D	<30 D	32 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-B4	8/4/05	E601	27,000 BD	42 D	14,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	52 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-C2	2/1/05	E624	500 D	1.8 D	7.4 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-834-C4	1/31/05	E624	32	<0.5	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C4	8/4/05	E601	140 BD	<0.5	130 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-C5	1/31/05	E624	25,000 D	68 D	6,900 D	<30 D	<30 D	<30 D	<30 D	<30 D	32 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-C5	01/31/05 DUP	E624	28,000 DHL	<500 DH	8,500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-C5	8/4/05	E601	39,000 BD	140 D	19,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	70 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D3	2/7/05	E624	<20 D	<20 D	9,300 D	<20 D	<20 D	<20 D	<20 D	<20 D	<20 D	<20 D	<20 D	<20 D	<20 D	130 D
W-834-D3	8/10/05	E601	8.2 D	<5 D	2,000 D	5.9 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	74 D
W-834-D4	3/10/05	E624	2,100 D	<25 DE	15,000 D	<25 DE	<25 D	<25 D	<25 D	<25 D	26 D	<25 D	<25 D	<25 D	<25 D	<25 DE
W-834-D4	6/14/05	E601	20,000 D	110 D	1,900 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D4	8/2/05	E601	20,000 D	130 D	4,200 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D4	10/11/05	E601	18,000 BD	110 D	7,500 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D5	3/10/05	E624	1,300 D	4.6 D	460 D	<2.5 D	<2.5 D	<2.5 DE	<2.5 D	<2.5 D	<2.5 DE	<2.5 D	<2.5 DE	<2.5 D	<2.5 D	<2.5 DE
W-834-D5	8/9/05	E601	88	0.94	170 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.75
W-834-D6	3/10/05	E624	13,000 D	42 D	640 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D6	6/14/05	E601	6,400 D	<25 D	660 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D6	8/2/05	E601	2,300 D	8 D	220 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	6 D	<5 D
W-834-D6	10/11/05	E601	3,500 BD	9 D	550 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	5.3 D	<5 D
W-834-D7	3/10/05	E624	1,600 D	36 D	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
W-834-D7	6/14/05	E601	3,900 D	29 D	450 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D7	8/2/05	E624	230 D	3	24	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-D7	10/11/05	E601	3,300 BD	13 D	240 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D10	2/7/05	E624	2,200 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D10	8/15/05	E624	6,800 BD	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-D10	08/15/05 DUP	E624	8,800 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH
W-834-D11	2/7/05	E624	6,300 D	<30 D	350 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-D11	02/07/05 DUP	E624	6,200 D	<30 D	360 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-D11	8/9/05	E601	620 D	0.93	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D12	3/10/05	E624	3,700 D	11 D	300 D	<5 D	<5 D	<5 DE	<5 D	<5 D	<5 DE	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D12	6/14/05	E601	870 D	2.4 D	170 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	1.3 D	<1 D	<1 D	<1 D
W-834-D12	8/2/05	E624	47	<1	3.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-D12	10/12/05	E601	460 BD	2.6	38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.77	<0.5	<0.5	<0.5
W-834-D13	3/10/05	E624	20,000 D	160 D	190 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D13	6/14/05	E601	16,000 D	130 D	140 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D13	8/2/05	E601	1,200 D	12	8.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D13	10/12/05	E601	27,000 BD	180 D	290 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D14	2/7/05	E624	13,000 D	38 D	590 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-D14	02/07/05 DUP	E624	25,000 D	38 D	560 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-D14	8/9/05	E601	3,900 D	7.6 D	400 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-D15	2/7/05	E624	23,000 D	<30 D	300 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-D15	8/4/05	E601	31,000 BD	50 D	280 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-D18	2/8/05	E624	290 D	0.51	130 D	0.51	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D18	8/15/05	E601	54 B	<0.5	25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-D18	08/15/05 DUP	E601	40	<0.5	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-H2	8/10/05	E601	190 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-J1	3/14/05	E624	520 D	0.66	<0.5 E	<0.5	<0.5	0.91	<0.5	<0.5	<0.5	<0.5	0.98	<0.5 E	<0.5	<0.5
W-834-J1	6/16/05	E601	94	0.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<0.5
W-834-J1	8/2/05	E601	100 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5
W-834-J1	10/12/05	E601	450 BD	<0.5	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	<0.5
W-834-J2	2/1/05	E624	630 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-834-J2	8/8/05	E601	310 BD	0.63	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-K1A	8/4/05	E624	4.3 B	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-834-M1	2/8/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	3.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-M1	02/08/05 DUP	E624	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	4.3 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
W-834-M1	8/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	3.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S1	3/14/05	E624	9,100 D	480 D	400 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-834-S1	6/16/05	E601	5,400 D	330 D	420 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-S1	06/16/05 DUP	E601	6,000 D	330 D	430 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-S1	8/2/05	E624	840 D	28 D	34 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-S1	08/02/05 DUP	E624	880 DH	33 DH	39 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH
W-834-S1	10/12/05	E624	7,200 BD	240 D	340 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S12A	6/16/05	E601	7,800 D	<25 D	28 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-S12A	8/2/05	E624	8,100 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	<50 D

B-5. Building 834 OU VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-834-S12A	10/12/05	E624	8,400 BD	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-834-S13	6/16/05	E601	1,700 D	6.4 D	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
W-834-S13	06/16/05 DUP	E601	1,600 D	8.4	62	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5
W-834-S13	8/2/05	E601	610 D	2.3	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S13	10/12/05	E601	1,300 BD	5.3 D	52 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-S4	2/1/05	E624	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	<0.5
W-834-S4	8/8/05	E601	5.2 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S6	2/3/05	E624	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S6	8/11/05	E601	3.4 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S7	2/3/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S7	8/11/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S8	2/1/05	E624	2,400 D	31 D	48 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-S8	8/8/05	E624	1,500 BD	27 D	44 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-S9	2/1/05	E624	1,900 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-S9	8/8/05	E624	2,000 BD	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-834-T1	1/18/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T1	4/21/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T1	8/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T1	10/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	1/18/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	4/21/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	7/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T3	10/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T5	2/9/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T5	8/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T7A	2/9/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T7A	8/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-U1	1/31/05	E624	49,000 D	300 D	3,200 D	<30 D	<30 D	<30 D	<30 D	<30 D	42 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-U1	01/31/05 DUP	E624	37,000 DHL	<500 DH	2,500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<500 DH	<1,000 DH	<500 DH
W-834-U1	8/9/05	E624	45,000 D	230 D	1,900 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D	<200 D

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	1,3-Dichlorobenzene (µg/L)	Benzene (µg/L)	Bromodichloromethane (µg/L)	Dibromochloromethane (µg/L)	Methylene chloride (µg/L)	Toluene (µg/L)	Total Trihalomethanes (µg/L)	Total xylene isomers (µg/L)
W-834-1709	1/20/05	E624	1 of 31	260 D	-	-	-	-	-	-	-	-
W-834-1709	8/9/05	E601	1 of 19	910 D	-	-	-	-	-	-	-	-
W-834-1711	1/20/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-1711	8/9/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-2001	2/1/05	E624	2 of 31	20 D	-	-	-	-	-	-	-	2.3 D
W-834-2001	8/10/05	E624	1 of 30	370 D	-	-	-	-	-	-	-	-
W-834-2113	6/28/05	E624	1 of 30	120 D	-	-	-	-	-	-	-	-
W-834-2113	9/27/05	E624	1 of 30	150 H	-	-	-	-	-	-	-	-
W-834-2113	10/17/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2113	10/17/05 DUP	E624	1 of 29	-	-	-	-	-	160 BDHL	-	-	-
W-834-2117	6/28/05	E624	1 of 30	84 D	-	-	-	-	-	-	-	-
W-834-2117	9/27/05	E624	1 of 30	130 H	-	-	-	-	-	-	-	-
W-834-2117	10/4/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2117	10/04/05 DUP	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2118	6/29/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2118	9/27/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2118	10/17/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2119	5/23/05	E601	1 of 18	6.6	-	-	-	-	-	-	-	-
W-834-2119	8/22/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-2119	10/4/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-A1	1/20/05	E624	4 of 31	270 D	-	1.2	-	-	2	1.4	-	-
W-834-A1	8/4/05	E624	1 of 30	430 D	-	-	-	-	-	-	-	-
W-834-A2	1/20/05	E624	1 of 31	960 D	-	-	-	-	-	-	-	-
W-834-B2	3/14/05	E624	1 of 29	160 D	-	-	-	-	-	-	-	-
W-834-B2	6/14/05	E601	1 of 19	1,800 D	-	-	-	-	-	-	-	-
W-834-B2	8/2/05	E601	1 of 19	850 D	-	-	-	-	-	-	-	-
W-834-B2	10/11/05	E601	1 of 19	990 D	-	-	-	-	-	-	-	-
W-834-B3	3/10/05	E624	1 of 29	2,900 D	-	-	-	-	-	-	-	-
W-834-B3	6/14/05	E601	1 of 19	2,800 D	-	-	-	-	-	-	-	-
W-834-B3	8/2/05	E601	1 of 19	8,000 D	-	-	-	-	-	-	-	-
W-834-B3	10/11/05	E601	1 of 19	3,700 D	-	-	-	-	-	-	-	-
W-834-B4	2/7/05	E624	1 of 31	7,600 D	-	-	-	-	-	-	-	-
W-834-B4	8/4/05	E601	1 of 19	14,000 D	-	-	-	-	-	-	-	-
W-834-C2	2/1/05	E624	1 of 31	7.4 D	-	-	-	-	-	-	-	-
W-834-C4	1/31/05	E624	1 of 31	29	-	-	-	-	-	-	-	-
W-834-C4	8/4/05	E601	1 of 19	130 D	-	-	-	-	-	-	-	-
W-834-C5	1/31/05	E624	1 of 31	6,900 D	-	-	-	-	-	-	-	-
W-834-C5	01/31/05 DUP	E624	0 of 25	-	-	-	-	-	-	-	-	-
W-834-C5	8/4/05	E601	1 of 19	19,000 D	-	-	-	-	-	-	-	-
W-834-D3	2/7/05	E624	1 of 31	9,300 D	-	-	-	-	-	-	-	-
W-834-D3	8/10/05	E601	1 of 19	2,000 D	-	-	-	-	-	-	-	-
W-834-D4	3/10/05	E624	1 of 29	15,000 D	-	-	-	-	-	-	-	-
W-834-D4	6/14/05	E601	1 of 19	1,900 D	-	-	-	-	-	-	-	-
W-834-D4	8/2/05	E601	1 of 19	4,200 D	-	-	-	-	-	-	-	-
W-834-D4	10/11/05	E601	1 of 19	7,500 D	-	-	-	-	-	-	-	-
W-834-D5	3/10/05	E624	1 of 29	460 D	-	-	-	-	-	-	-	-
W-834-D5	8/9/05	E601	1 of 19	170 D	-	-	-	-	-	-	-	-
W-834-D6	3/10/05	E624	1 of 29	640 D	-	-	-	-	-	-	-	-
W-834-D6	6/14/05	E601	1 of 19	660 D	-	-	-	-	-	-	-	-
W-834-D6	8/2/05	E601	1 of 19	220 D	-	-	-	-	-	-	-	-
W-834-D6	10/11/05	E601	1 of 19	550 D	-	-	-	-	-	-	-	-
W-834-D7	3/10/05	E624	1 of 29	86 D	-	-	-	-	-	-	-	-
W-834-D7	6/14/05	E601	1 of 19	450 D	-	-	-	-	-	-	-	-
W-834-D7	8/2/05	E624	1 of 30	24	-	-	-	-	-	-	-	-
W-834-D7	10/11/05	E601	1 of 19	240 D	-	-	-	-	-	-	-	-
W-834-D10	2/7/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-D10	8/15/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-D10	08/15/05 DUP	E624	0 of 27	-	-	-	-	-	-	-	-	-
W-834-D11	2/7/05	E624	1 of 31	350 D	-	-	-	-	-	-	-	-
W-834-D11	02/07/05 DUP	E624	1 of 31	360 D	-	-	-	-	-	-	-	-
W-834-D11	8/9/05	E601	1 of 19	1.3	-	-	-	-	-	-	-	-
W-834-D12	3/10/05	E624	1 of 29	300 D	-	-	-	-	-	-	-	-
W-834-D12	6/14/05	E601	1 of 19	170 D	-	-	-	-	-	-	-	-
W-834-D12	8/2/05	E624	1 of 30	3.7	-	-	-	-	-	-	-	-
W-834-D12	10/12/05	E601	1 of 19	38	-	-	-	-	-	-	-	-
W-834-D13	3/10/05	E624	1 of 29	190 D	-	-	-	-	-	-	-	-
W-834-D13	6/14/05	E601	1 of 19	140 D	-	-	-	-	-	-	-	-
W-834-D13	8/2/05	E601	1 of 19	8.6	-	-	-	-	-	-	-	-
W-834-D13	10/12/05	E601	1 of 19	290 D	-	-	-	-	-	-	-	-
W-834-D14	2/7/05	E624	1 of 31	590 D	-	-	-	-	-	-	-	-
W-834-D14	02/07/05 DUP	E624	1 of 31	560 D	-	-	-	-	-	-	-	-
W-834-D14	8/9/05	E601	1 of 19	400 D	-	-	-	-	-	-	-	-
W-834-D15	2/7/05	E624	1 of 31	300 D	-	-	-	-	-	-	-	-
W-834-D15	8/4/05	E601	1 of 19	280 D	-	-	-	-	-	-	-	-
W-834-D18	2/8/05	E624	1 of 31	130 D	-	-	-	-	-	-	-	-
W-834-D18	8/15/05	E601	1 of 19	25	-	-	-	-	-	-	-	-
W-834-D18	08/15/05 DUP	E601	1 of 16	17	-	-	-	-	-	-	-	-
W-834-H2	8/10/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-J1	3/14/05	E624	0 of 29	-	-	-	-	-	-	-	-	-
W-834-J1	6/16/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-J1	8/2/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-J1	10/12/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-J2	2/1/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-J2	8/8/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-K1A	8/4/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-M1	2/8/05	E624	2 of 31	-	1.2	-	0.56	-	-	-	-	-
W-834-M1	02/08/05 DUP	E624	3 of 25	-	1.5 H	-	0.7 H	0.5 H	-	-	-	-
W-834-M1	8/8/05	E601	2 of 19	-	0.92	-	-	-	-	-	4.1	-
W-834-S1	3/14/05	E624	1 of 29	400 D	-	-	-	-	-	-	-	-
W-834-S1	6/16/05	E601	1 of 19	420 D	-	-	-	-	-	-	-	-
W-834-S1	06/16/05 DUP	E601	1 of 19	430 D	-	-	-	-	-	-	-	-
W-834-S1	8/2/05	E624	1 of 30	34 D	-	-	-	-	-	-	-	-
W-834-S1	08/02/05 DUP	E624	1 of 29	39 DH	-	-	-	-	-	-	-	-
W-834-S1	10/12/05	E624	1 of 30	340 D	-	-	-	-	-	-	-	-
W-834-S12A	6/16/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-S12A	8/2/05	E624	0 of 30	-	-	-	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	1,3-Dichlorobenzene (µg/L)	Benzene (µg/L)	Bromodichloromethane (µg/L)	Dibromochloromethane (µg/L)	Methylene chloride (µg/L)	Toluene (µg/L)	Total Trihalomethanes (µg/L)	Total xylene isomers (µg/L)
W-834-S12A	10/12/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-S13	6/16/05	E601	1 of 19	59 D	-	-	-	-	-	-	-	-
W-834-S13	06/16/05 DUP	E601	1 of 18	56 D	-	-	-	-	-	-	-	-
W-834-S13	8/2/05	E601	1 of 19	11	-	-	-	-	-	-	-	-
W-834-S13	10/12/05	E601	1 of 19	52 D	-	-	-	-	-	-	-	-
W-834-S4	2/1/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-S4	8/8/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-S6	2/3/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-S6	8/11/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-S7	2/3/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-S7	8/11/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-S8	2/1/05	E624	1 of 31	48 D	-	-	-	-	-	-	-	-
W-834-S8	8/8/05	E624	1 of 30	44 D	-	-	-	-	-	-	-	-
W-834-S9	2/1/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-S9	8/8/05	E624	0 of 30	-	-	-	-	-	-	-	-	-
W-834-T1	1/18/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-T1	4/21/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T1	8/1/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T1	10/3/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T3	1/18/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-T3	4/21/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T3	7/19/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T3	10/3/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T5	2/9/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-T5	8/9/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-T7A	2/9/05	E624	0 of 31	-	-	-	-	-	-	-	-	-
W-834-T7A	8/10/05	E601	0 of 19	-	-	-	-	-	-	-	-	-
W-834-U1	1/31/05	E624	1 of 31	3,200 D	-	-	-	-	-	-	-	-
W-834-U1	01/31/05 DUP	E624	0 of 25	-	-	-	-	-	-	-	-	-
W-834-U1	8/9/05	E624	1 of 30	1,900 D	-	-	-	-	-	-	-	-

OU2-VOC [ug/L]   2005 data   (prepared 2006-03-08 12:45:29, Oracle)

B-6. Building 834 OU nitrate and perchlorate in ground water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-834-1709	1/20/05	-	11.9	-
W-834-1709	8/9/05	-	-	<4
W-834-1711	1/20/05	-	93 D	-
W-834-1711	8/9/05	-	-	28
W-834-2001	2/1/05	-	1.8	-
W-834-2001	8/10/05	-	-	<4
W-834-2113	6/28/05	<0.1 L	<0.1 L	<4
W-834-2117	6/28/05	<0.1 L	<0.1 L	7.8
W-834-2117	10/4/05	-	-	<4 L
W-834-2117	10/04/05 DUP	-	-	<4 L
W-834-2118	6/29/05	25 D	110 D	11
W-834-2118	10/17/05	-	-	<4
W-834-2119	5/23/05	-	-	<4
W-834-2119	8/22/05	-	-	<4
W-834-A1	1/20/05	-	0.68	-
W-834-A2	1/20/05	-	14.5	-
W-834-B2	3/14/05	-	39	-
W-834-B3	3/10/05	-	9.4	-
W-834-B4	2/7/05	-	20.4	-
W-834-C2	2/1/05	-	85.5	-
W-834-C4	1/31/05	-	47.2	-
W-834-C5	1/31/05	-	75.6	-
W-834-C5	01/31/05 DUP	-	75 D	-
W-834-D3	2/7/05	-	<0.44	-
W-834-D4	3/10/05	-	5.9	-
W-834-D5	3/10/05	-	16	-
W-834-D6	3/10/05	-	48	-
W-834-D7	3/10/05	-	68	-
W-834-D11	2/7/05	-	86.9	-
W-834-D11	02/07/05 DUP	-	88.4	-
W-834-D12	3/10/05	-	69	-
W-834-D13	3/10/05	-	120 D	-
W-834-D14	2/7/05	-	37.6	-
W-834-D14	02/07/05 DUP	-	42.3	-
W-834-D15	2/7/05	-	118 D	-
W-834-D18	2/8/05	-	58.8	-
W-834-J1	3/14/05	-	72	-
W-834-J2	2/1/05	-	106 D	-
W-834-M1	2/8/05	61.1 D	270 D	-
W-834-M1	02/08/05 DUP	57 D	250 D	-
W-834-M1	02/08/05 DUP	65 D	290 D	-
W-834-M1	02/08/05 DUP	-	267 D	-
W-834-S1	3/14/05	-	54	-
W-834-S4	2/1/05	-	132 D	-
W-834-S6	2/3/05	-	164 D	-
W-834-S7	2/3/05	-	328 D	-
W-834-S8	2/1/05	-	116 D	-
W-834-S9	2/1/05	-	93.2 D	-
W-834-T1	1/18/05	-	<0.44	-
W-834-T1	8/1/05	-	<0.5	-
W-834-T3	1/18/05	-	21.7	-
W-834-T3	7/19/05	-	<0.5 H	-
W-834-T5	2/9/05	-	90.6 D	-
W-834-U1	1/31/05	-	<0.44	-
W-834-U1	01/31/05 DUP	-	<0.1	-

B-7. Building 834 OU TBOS in ground water.

Location	Date	TBOS (µg/L)
W-834-1709	1/20/05	2.9
W-834-1711	1/20/05	31
W-834-2001	2/1/05	<1
W-834-2113	8/11/05	<100
W-834-2117	8/11/05	<100
W-834-2118	8/11/05	<100
W-834-2119	5/23/05	<1
W-834-A1	1/20/05	<1
W-834-A2	1/20/05	1.5
W-834-B2	3/14/05	<1
W-834-B3	3/10/05	<1 DO
W-834-B4	2/7/05	<1
W-834-C2	2/1/05	<1
W-834-C4	1/31/05	<1
W-834-C5	1/31/05	<1
W-834-D3	8/10/05	4,500 DJ
W-834-D4	3/10/05	22,000 DO
W-834-D4	8/2/05	59,000 D
W-834-D5	3/10/05	220 DO
W-834-D5	8/9/05	130 DJ
W-834-D6	3/10/05	<1
W-834-D6	8/2/05	55 D
W-834-D7	3/10/05	4.1
W-834-D11	2/7/05	<1
W-834-D11	02/07/05 DUP	11
W-834-D12	3/10/05	<1 DE
W-834-D13	3/10/05	<1 O
W-834-D13	8/2/05	1.1 D
W-834-D14	2/7/05	6.2
W-834-D14	02/07/05 DUP	1.5
W-834-D15	2/7/05	<1
W-834-D18	2/8/05	<1
W-834-J1	3/14/05	<1
W-834-J2	2/1/05	<1
W-834-M1	2/8/05	<1
W-834-S1	3/14/05	<1
W-834-S1	8/2/05	<1
W-834-S4	2/1/05	<1
W-834-S6	2/3/05	<1
W-834-S7	2/3/05	<1
W-834-S8	2/1/05	<1
W-834-S9	2/1/05	<1
W-834-T1	1/18/05	<1
W-834-T3	1/18/05	<1
W-834-T3	7/19/05	<1
W-834-T5	2/9/05	<1
W-834-U1	1/31/05	<1

B-8. Building 834 OU diesel range organic compounds in ground water.

Location	Date	Diesel Fuel (µg/L)	Diesel Range Organics (C12-C24) (µg/L)	Oil (µg/L)
W-834-2001	2/1/05	2,800 D	-	-
W-834-2001	7/29/05	-	830	-
W-834-2001	8/10/05	-	1,500	-
W-834-A1	1/20/05	-	95 G	-
W-834-A2	1/20/05	-	260 G	-
W-834-D7	3/10/05	-	<50 D	-
W-834-D11	2/7/05	-	85 GJ	-
W-834-D11	02/07/05 DUP	-	75 GJ	-
W-834-D12	3/10/05	-	59 D	-
W-834-S1	3/14/05	-	190 D	-
W-834-S8	2/1/05	<50	-	-
W-834-S9	2/1/05	<50	-	-
W-834-U1	1/31/05	210	-	-
W-834-U1	01/31/05 DUP	-	280 G	<200 G
W-834-U1	8/9/05	-	<200 D	-

OU2-EM8015 [ug/L] 2005 data (prepared 2006-03-08 07:57:46, Oracle)

B-9. Building 834 OU general minerals in ground water.

Constituents of concern	W-834-2113 6/28/05	W-834-2117 6/28/05	W-834-2118 6/29/05	W-834-M1 2/8/05	W-834-M1 02/08/05 DUP
Total Alkalinity (as CaCO3) (mg/L)	250 H	280 H	130 H	79	70 H
Aluminum (mg/L)	<0.054	0.07	0.08	<0.05	0.69
Bicarbonate Alk (as CaCO3) (mg/L)	250 H	280 H	130 H	79	70 H
Calcium (mg/L)	26	26	34	290 L	280 D
Carbonate Alk (as CaCO3) (mg/L)	<10 H	<10 H	<10 H	<2.5	<10 H
Chloride (mg/L)	71 D	220 D	230 DL	1,530 D	1,100 D
Chromium (mg/L)	-	-	-	0.015	-
Copper (mg/L)	<0.01	<0.01	<0.01	0.016	0.03
Fluoride (mg/L)	<0.05	0.66	0.75	0.89 D	0.83
Hydroxide Alk (as CaCO3) (mg/L)	<10 H	<10 H	<10 H	<2.5	<10 H
Iron (mg/L)	<0.1	<0.1	<0.1	<0.05	0.74
Magnesium (mg/L)	20	19	31	240	230 D
Manganese (mg/L)	<0.03	<0.03	<0.03	0.1	0.16
Nickel (mg/L)	<0.1	<0.1	<0.1	0.1	0.11
Nitrite (as N) (mg/L)	<0.1	<0.1	<0.1	<0.5	<0.1
pH (Units)	7.9	8	8.1	7.19	6.9
Ortho-Phosphate (mg/L)	<0.1	<0.1	<0.1	0.95	0.3
Total Phosphorus (as P) (mg/L)	-	-	-	0.41 H	-
Total Phosphorus (as PO4) (mg/L)	0.11 H	<0.1 H	<0.1 H	-	0.37 H
Potassium (mg/L)	15	17	15	23	47
Sodium (mg/L)	130 D	270 D	200 D	870 L	770 D
Total dissolved solids (TDS) (mg/L)	620	950	880	4,580 DH	4,100
Specific Conductance (µmhos/cm)	1,000	1,700	1,500 H	6,160	6,500 H
Sulfate (mg/L)	19 DL	87 DL	40 D	1,220 D	880 DH
Surfactants (mg/L)	<0.5	<0.5	<0.5	<0.5 D	<0.5
Total Hardness (as CaCO3) (mg/L)	150 H	140 H	210 H	1,710	1,600 H
Zinc (mg/L)	<0.02	<0.02	<0.02	<0.05	0.033

OU2-GENMIN [mg/L; Units; umhos/cm] 2005 data (prepared 2006-03-03 08:29:10, Oracle)

B-10. Building 834 OU metals in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
W-834-1711	8/9/05	0.011	<0.025	<0.001	0.026 D	<0.005	<0.0002	0.0043 L	<0.001
W-834-2001	8/10/05	0.026	0.046	<0.001	<0.001	<0.005	<0.0002	<0.002	<0.001
W-834-2113	6/28/05	0.013	0.03	<0.0005	0.003	<0.005	<0.0002	<0.002	<0.001
W-834-2117	6/28/05	0.019	0.04	<0.0005	0.005	<0.005	<0.0002	0.004	<0.001
W-834-2118	6/29/05	0.014	0.05	<0.0005	0.002	<0.005	<0.0002	0.007	<0.001
W-834-M1	2/8/05	-	-	-	0.051	-	-	-	-
W-834-M1	8/8/05	-	-	-	0.015	-	-	-	-
W-834-S1	3/14/05	-	-	-	0.0011	-	-	-	-
W-834-S4	2/1/05	-	-	-	0.001	-	-	-	-
W-834-S9	2/1/05	-	-	-	0.0091	-	-	-	-

OU2-METALS [mg/L]   2005 data   (prepared 2006-03-03 08:29:38, Oracle)

B-11. Building 834 OU radiological constituents in ground water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
W-834-2113	6/28/05	7.20 ± 2.30	12.4 ± 2.20	<100
W-834-2117	6/28/05	14.8 ± 4.10	19.5 ± 3.40	<100
W-834-2118	6/29/05	2.10 ± 1.70	9.23 ± 2.00	<100

OU2-RAD [pCi/L] 2005 data (prepared 2006-03-03 08:30:02, Oracle)

B-12. Building 834 OU BTEX compounds in ground water.

Location	Date	Benzene (µg/L)	1,3-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total xylene isomers (µg/L)
W-834-1709	1/20/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-1709	8/9/05	-	<12 D	-	-	-
W-834-1711	1/20/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-1711	8/9/05	-	<0.5	-	-	-
W-834-2001	2/1/05	<1 D	<1 D	<1 D	<1 D	2.3 D
W-834-2001	8/10/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-2113	6/28/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-2113	9/27/05	<1 H	<1 H	<1 H	<1 H	<2 H
W-834-2113	10/17/05	<1,000 DH	<1,000 DH	<1,000 DH	<1,000 DH	<2,000 DH
W-834-2113	10/17/05 DUP	<100 DH	<100 DH	<100 DH	<100 DH	<100 DH
W-834-2117	6/28/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-2117	9/27/05	<1 H	<1 H	<1 H	<1 H	<2 H
W-834-2117	10/4/05	<1,000 DH	<500 DH	<1,000 DH	<1,000 DH	<2,000 DH
W-834-2117	10/04/05 DUP	<1,000 DH	<500 DH	<1,000 DH	<1,000 DH	<2,000 DH
W-834-2118	6/29/05	<1	<1	<1	<1	<2
W-834-2118	9/27/05	<1 H	<1 H	<1 H	<1 H	<2 H
W-834-2118	10/17/05	<10 DH	<10 DH	<10 DH	<10 DH	<20 DH
W-834-2119	5/23/05	-	<0.5	-	-	-
W-834-2119	8/22/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-2119	10/4/05	<1,000 DH	<500 DH	<1,000 DH	<1,000 DH	<2,000 DH
W-834-A1	1/20/05	1.2	<0.5	<0.5	1.4	<1
W-834-A1	8/4/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-A2	1/20/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-B2	3/14/05	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<5 D
W-834-B2	6/14/05	-	<5 D	-	-	-
W-834-B2	8/2/05	-	<5 D	-	-	-
W-834-B2	10/11/05	-	<25 D	-	-	-
W-834-B3	3/10/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-B3	6/14/05	-	<5 D	-	-	-
W-834-B3	8/2/05	-	<25 D	-	-	-
W-834-B3	10/11/05	-	<5 D	-	-	-
W-834-B4	2/7/05	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-B4	8/4/05	-	<25 D	-	-	-
W-834-C2	2/1/05	<1 D	<1 D	<1 D	<1 D	<2 D
W-834-C4	1/31/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-C4	8/4/05	-	<0.5	-	-	-
W-834-C5	1/31/05	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-C5	01/31/05 DUP	<1,000 DH	<500 DH	<1,000 DH	<1,000 DH	<2,000 DH
W-834-C5	8/4/05	-	<25 D	-	-	-
W-834-D3	2/7/05	<20 D	<20 D	<20 D	<20 D	<30 D
W-834-D3	8/10/05	-	<5 D	-	-	-
W-834-D4	3/10/05	<25 D	<25 D	<25 D	<25 D	<50 D
W-834-D4	6/14/05	-	<25 D	-	-	-
W-834-D4	8/2/05	-	<25 D	-	-	-
W-834-D4	10/11/05	-	<25 D	-	-	-
W-834-D5	3/10/05	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<5 D
W-834-D5	8/9/05	-	<0.5	-	-	-
W-834-D6	3/10/05	<25 D	<25 D	<25 D	<25 D	<50 D
W-834-D6	6/14/05	-	<25 D	-	-	-
W-834-D6	8/2/05	-	<5 D	-	-	-
W-834-D6	10/11/05	-	<5 D	-	-	-
W-834-D7	3/10/05	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<5 D
W-834-D7	6/14/05	-	<5 D	-	-	-
W-834-D7	8/2/05	<1	<1	<1	<1	<2
W-834-D7	10/11/05	-	<5 D	-	-	-
W-834-D10	2/7/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-D10	8/15/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-D10	08/15/05 DUP	<100 DH	-	<100 DH	<100 DH	<100 DH
W-834-D11	2/7/05	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-D11	02/07/05 DUP	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-D11	8/9/05	-	<0.5	-	-	-
W-834-D12	3/10/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-D12	6/14/05	-	<1 D	-	-	-
W-834-D12	8/2/05	<1	<1	<1	<1	<2
W-834-D12	10/12/05	-	<0.5	-	-	-
W-834-D13	3/10/05	<25 D	<25 D	<25 D	<25 D	<50 D
W-834-D13	6/14/05	-	<25 D	-	-	-
W-834-D13	8/2/05	-	<0.5	-	-	-
W-834-D13	10/12/05	-	<25 D	-	-	-
W-834-D14	2/7/05	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-D14	02/07/05 DUP	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-D14	8/9/05	-	<5 D	-	-	-
W-834-D15	2/7/05	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-D15	8/4/05	-	<25 D	-	-	-
W-834-D18	2/8/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-D18	8/15/05	-	<0.5	-	-	-
W-834-H2	8/10/05	-	<0.5	-	-	-
W-834-J1	3/14/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-J1	6/16/05	-	<0.5	-	-	-
W-834-J1	8/2/05	-	<0.5	-	-	-
W-834-J1	10/12/05	-	<0.5	-	-	-

B-12. Building 834 OU BTEX compounds in ground water.

Location	Date	Benzene (µg/L)	1,3-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total xylene isomers (µg/L)
W-834-J2	2/1/05	<1 D	<1 D	<1 D	<1 D	<2 D
W-834-J2	8/8/05	-	<0.5	-	-	-
W-834-K1A	8/4/05	<1	<1	<1	<1	<2
W-834-M1	2/8/05	<0.5	1.2	<0.5	<0.5	<1
W-834-M1	02/08/05 DUP	<1 H	1.5 H	<1 H	<1 H	<2 H
W-834-M1	8/8/05	-	0.92	-	-	-
W-834-S1	3/14/05	<12 DE	<12 D	<12 D	<12 D	<25 D
W-834-S1	6/16/05	-	<25 D	-	-	-
W-834-S1	06/16/05 DUP	-	<25 D	-	-	-
W-834-S1	8/2/05	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<5 D
W-834-S1	08/02/05 DUP	<10 DH	<10 DH	<10 DH	<10 DH	<10 DH
W-834-S1	10/12/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-S12A	6/16/05	-	<25 D	-	-	-
W-834-S12A	8/2/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-S12A	10/12/05	<50 D	<50 D	<50 D	<50 D	<100 D
W-834-S13	6/16/05	-	<2.5 D	-	-	-
W-834-S13	06/16/05 DUP	-	<0.5	-	-	-
W-834-S13	8/2/05	-	<0.5	-	-	-
W-834-S13	10/12/05	-	<2.5 D	-	-	-
W-834-S4	2/1/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-S4	8/8/05	-	<0.5	-	-	-
W-834-S6	2/3/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-S6	8/11/05	-	<0.5	-	-	-
W-834-S7	2/3/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-S7	8/11/05	-	<0.5	-	-	-
W-834-S8	2/1/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-S8	8/8/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-S9	2/1/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-S9	8/8/05	<5 D	<5 D	<5 D	<5 D	<10 D
W-834-T1	1/18/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-T1	4/21/05	-	<0.5	-	-	-
W-834-T1	8/1/05	-	<0.5	-	-	-
W-834-T1	10/3/05	-	<0.5	-	-	-
W-834-T3	1/18/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-T3	4/21/05	-	<0.5	-	-	-
W-834-T3	7/19/05	-	<0.5	-	-	-
W-834-T3	10/3/05	-	<0.5	-	-	-
W-834-T5	2/9/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-T5	8/9/05	-	<0.5	-	-	-
W-834-T7A	2/9/05	<0.5	<0.5	<0.5	<0.5	<1
W-834-T7A	8/10/05	-	<0.5	-	-	-
W-834-U1	1/31/05	<30 D	<30 D	<30 D	<30 D	<50 D
W-834-U1	01/31/05 DUP	<1,000 DH	<500 DH	<1,000 DH	<1,000 DH	<2,000 DH
W-834-U1	8/9/05	<200 D	<200 D	<200 D	<200 D	<400 D

OU2-BTEX [ug/L] 2005 data (prepared 2006-03-08 12:19:00, Oracle)

B-13. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CARNRW1	1/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	1/13/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	2/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	3/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	03/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	4/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	4/13/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	04/13/05 DUP	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW1	04/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	5/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	05/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	6/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	06/08/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	7/14/05	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	7/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	07/14/05 DUP	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	07/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	07/14/05 DUP	E624	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H
CARNRW1	07/14/05 DUP	E624	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H
CARNRW1	07/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	07/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	8/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	08/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	08/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	08/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	9/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	09/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	09/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	09/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	10/12/05	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARNRW1	10/12/05 DUP	E624	<0.5 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CARNRW1	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	11/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	11/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	12/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW1	12/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	1/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	1/13/05	E502.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.44	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CARNRW2	2/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	03/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	4/18/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	0.87	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	04/18/05 DUP	E502.2	<0.5 H	<0.5 H	<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	<1 H	<0.5 H
CARNRW2	04/18/05 DUP	E601	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	1 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L
CARNRW2	5/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	05/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	6/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	06/08/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	7/19/05	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	1.6 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
CARNRW2	7/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	07/19/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	07/19/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
CARNRW2	8/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	08/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	9/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	09/14/05 DUP	E601	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	0.7 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L
CARNRW2	10/12/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/12/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	10/12/05 DUP	E502.2	<0.5 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
CARNRW2	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	11/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	11/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	12/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW2	12/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	1/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	2/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	3/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	03/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	4/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	04/18/05 DUP	E601	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L
CARNRW3	5/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	05/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	6/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	06/08/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	7/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	07/14/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	8/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	08/15/05 DUP	E601	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	9/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	09/13/05 DUP	E601	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L
CARNRW3	10/12/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	11/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	11/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	12/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW3	12/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

B-13. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
CARNRW4	1/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	2/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	03/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	4/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	04/18/05 DUP	E601	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L
CARNRW4	5/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	05/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	6/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	06/08/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	7/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	07/14/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	8/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	08/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	9/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	09/13/05 DUP	E601	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L	<0.5 L
CARNRW4	10/12/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	11/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	11/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	12/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARNRW4	12/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BC6-10	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BC6-10	7/14/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-06	3/8/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-06	5/4/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-06	7/27/05	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-06	10/25/05	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-07	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-07	7/18/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-08	3/8/05	E624	<0.5 E	0.83	<0.5	<0.5	<0.5	<0.5 E	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5
EP6-08	4/28/05	E624	<0.5	0.97	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-08	7/21/05	E624	<0.5 BE	0.77	<0.5	<0.5	<1	<0.5 E	<1 E	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
EP6-08	10/19/05	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP6-09	3/7/05	E624	6	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-09	03/07/05 DUP	E624	5.8	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-09	5/4/05	E624	6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP6-09	7/21/05	E624	6.4 B	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5 E	<0.5	<0.5	<1	<0.5	<0.5	<1
EP6-09	10/25/05	E624	5.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-PIT6-1819	1/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	7/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT6-1819	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01	3/3/05	E601	<0.5	<0.5	0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01	7/27/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01S	3/3/05	E624	<0.5 E	<0.5	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01S	5/4/05	E624	<0.5	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-01S	7/7/05	E624	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	07/07/05 DUP	E624	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-01S	10/6/05	E624	<0.5 H	<0.5 H	2 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
K6-03	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-03	7/18/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-04	3/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-04	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-14	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-14	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-16	3/1/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-16	03/01/05 DUP	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-16	7/13/05	E601	2.4 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	1/19/05	E601	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	01/19/05 DUP	E601	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	5/4/05	E601	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	05/04/05 DUP	E601	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	7/18/05	E601	0.53 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-17	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	3/2/05	E601	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	7/14/05	E601	1.6 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-18	07/14/05 DUP	E601	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-19	3/8/05	E624	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-19	5/3/05	E624	3.4	<0.5 E	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-19	05/03/05 DUP	E624	3.4	<0.5 E	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-19	7/7/05	E624	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-19	10/19/05	E624	3.1 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	<0.5 H	<1 H	<0.5 H
K6-19	10/19/05 DUP	E624	3 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
K6-22	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-22	7/18/05	E601	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-22	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-23	3/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-23	7/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-24	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-24	7/14/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-25	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-25	7/13/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-26	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-26	7/14/05	E601	<0.5	<0.5	<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-13. Pit 6 Landfill OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K6-27	3/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-27	7/14/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-32	3/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-32	7/21/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-33	3/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-33	7/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	1/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	5/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	7/19/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-34	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-35	3/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-35	7/14/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
K6-36	3/2/05	E624	1.2	0.68	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5
K6-36	5/4/05	E624	1.1	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K6-36	7/28/05	E624	0.8	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
K6-36	10/27/05	E624	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-33C-01	3/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-33C-01	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-34-01	3/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5
W-34-02	3/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING8	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Dibromochloromethane (µg/L)	Total Trihalomethanes (µg/L)
CARNRW1	1/13/05	E624	0 of 32	-	-	-	-	-
CARNRW1	1/13/05	E624	0 of 18	-	-	-	-	-
CARNRW1	2/11/05	E601	0 of 19	-	-	-	-	-
CARNRW1	3/9/05	E601	0 of 19	-	-	-	-	-
CARNRW1	03/09/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	4/13/05	E624	0 of 30	-	-	-	-	-
CARNRW1	4/13/05	E624	0 of 18	-	-	-	-	-
CARNRW1	04/13/05 DUP	E624	0 of 30	-	-	-	-	-
CARNRW1	04/13/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	5/13/05	E601	0 of 19	-	-	-	-	-
CARNRW1	05/13/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	6/8/05	E601	0 of 19	-	-	-	-	-
CARNRW1	06/08/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	7/14/05	E624	0 of 31	-	-	-	-	-
CARNRW1	7/14/05	E601	0 of 18	-	-	-	-	-
CARNRW1	07/14/05 DUP	E624	0 of 31	-	-	-	-	-
CARNRW1	07/14/05 DUP	E624	0 of 30	-	-	-	-	-
CARNRW1	07/14/05 DUP	E624	0 of 30	-	-	-	-	-
CARNRW1	07/14/05 DUP	E624	0 of 18	-	-	-	-	-
CARNRW1	07/14/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	07/14/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	8/15/05	E601	0 of 19	-	-	-	-	-
CARNRW1	08/15/05 DUP	E601	0 of 19	-	-	-	-	-
CARNRW1	08/15/05 DUP	E601	0 of 17	-	-	-	-	-
CARNRW1	08/15/05 DUP	E601	0 of 17	-	-	-	-	-
CARNRW1	9/14/05	E601	0 of 19	-	-	-	-	-
CARNRW1	09/14/05 DUP	E601	0 of 19	-	-	-	-	-
CARNRW1	09/14/05 DUP	E601	0 of 17	-	-	-	-	-
CARNRW1	09/14/05 DUP	E601	0 of 17	-	-	-	-	-
CARNRW1	10/12/05	E624	0 of 30	-	-	-	-	-
CARNRW1	10/12/05 DUP	E624	0 of 30	-	-	-	-	-
CARNRW1	10/12/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW1	11/8/05	E601	0 of 19	-	-	-	-	-
CARNRW1	11/9/05	E601	0 of 18	-	-	-	-	-
CARNRW1	12/14/05	E601	0 of 19	-	-	-	-	-
CARNRW1	12/14/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW2	1/13/05	E502.2	4 of 46	-	-	-	-	-
CARNRW2	1/13/05	E601	-	-	2	17	7.8	27
CARNRW2	1/13/05	E502.2	3 of 17	-	1.4	14	5.7	-
CARNRW2	2/11/05	E601	4 of 19	-	1.7	11	6	20
CARNRW2	3/10/05	E601	4 of 19	-	1.5	14	5.8	22
CARNRW2	03/10/05 DUP	E601	3 of 18	-	2.1	21	9	-
CARNRW2	4/18/05	E601	4 of 19	-	2	23	7.2	33
CARNRW2	04/18/05 DUP	E502.2	3 of 46	-	2.2 H	32 H	9.3 H	-
CARNRW2	04/18/05 DUP	E601	3 of 17	-	2.2 L	30 L	9.2 L	-
CARNRW2	5/13/05	E601	4 of 19	-	1.9	14	7.1	24
CARNRW2	05/13/05 DUP	E601	3 of 18	-	2.3	20	9.3	-
CARNRW2	6/8/05	E601	4 of 19	-	1.7	13	6.2	22
CARNRW2	06/08/05 DUP	E601	3 of 18	-	1.7	21	7.3	-
CARNRW2	7/19/05	E502.2	3 of 46	-	1.9 H	14 H	6.4 H	-
CARNRW2	7/19/05	E601	3 of 17	-	1.6	17	5.9	-
CARNRW2	07/19/05 DUP	E502.2	3 of 46	-	-	-	-	-
CARNRW2	07/19/05 DUP	E601	-	-	2	17	7.5	-
CARNRW2	07/19/05 DUP	E502.2	3 of 17	-	1.7	17	7.1	-
CARNRW2	8/15/05	E601	4 of 19	-	0.88	16	3.8	21
CARNRW2	08/15/05 DUP	E601	3 of 18	-	1.1	25	4.9	-
CARNRW2	9/14/05	E601	3 of 17	-	0.88	7.1	2.2	-
CARNRW2	09/14/05 DUP	E601	3 of 18	-	0.9 L	8.1 L	2.6 L	-
CARNRW2	10/12/05	E502.2	4 of 48	-	0.95	18	3.3	-
CARNRW2	10/12/05	E601	-	-	-	-	-	27
CARNRW2	10/12/05	E601	3 of 17	-	0.95	22 O	3.4	-
CARNRW2	10/12/05 DUP	E502.2	3 of 46	-	0.7 H	19 H	3.1 H	-
CARNRW2	10/12/05 DUP	E601	3 of 17	-	0.9	20	3.4	-
CARNRW2	11/9/05	E601	0 of 19	-	-	-	-	-
CARNRW2	11/09/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW2	12/14/05	E601	4 of 19	-	0.79	5.4	2.2	9
CARNRW2	12/14/05 DUP	E601	3 of 18	-	0.8	4.7	2	-
CARNRW3	1/13/05	E601	0 of 19	-	-	-	-	-
CARNRW3	2/11/05	E601	0 of 19	-	-	-	-	-
CARNRW3	3/9/05	E601	0 of 18	-	-	-	-	-
CARNRW3	03/09/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	4/18/05	E601	0 of 19	-	-	-	-	-
CARNRW3	04/18/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	5/13/05	E601	0 of 19	-	-	-	-	-
CARNRW3	05/13/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	6/8/05	E601	0 of 19	-	-	-	-	-
CARNRW3	06/08/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	7/14/05	E601	0 of 19	-	-	-	-	-
CARNRW3	07/14/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	8/15/05	E601	0 of 19	-	-	-	-	-
CARNRW3	08/15/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	9/13/05	E601	0 of 19	-	-	-	-	-
CARNRW3	09/13/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	10/12/05	E601	0 of 19	-	-	-	-	-
CARNRW3	10/12/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW3	11/9/05	E601	4 of 19	-	2	15	7.2	25

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Dibromochloromethane (µg/L)	Total Trihalomethanes (µg/L)
CARNRW3	11/09/05 DUP	E601	3 of 18	-	2.6	15	8.9	-
CARNRW3	12/14/05	E601	0 of 19	-	-	-	-	-
CARNRW3	12/14/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	1/13/05	E601	0 of 19	-	-	-	-	-
CARNRW4	2/11/05	E601	0 of 19	-	-	-	-	-
CARNRW4	3/10/05	E601	0 of 19	-	-	-	-	-
CARNRW4	03/10/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	4/18/05	E601	0 of 19	-	-	-	-	-
CARNRW4	04/18/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	5/13/05	E601	0 of 19	-	-	-	-	-
CARNRW4	05/13/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	6/8/05	E601	0 of 19	-	-	-	-	-
CARNRW4	06/08/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	7/14/05	E601	0 of 19	-	-	-	-	-
CARNRW4	07/14/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	8/15/05	E601	0 of 19	-	-	-	-	-
CARNRW4	08/15/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	9/13/05	E601	0 of 19	-	-	-	-	-
CARNRW4	09/13/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	10/12/05	E601	0 of 19	-	-	-	-	-
CARNRW4	10/12/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	11/9/05	E601	0 of 19	-	-	-	-	-
CARNRW4	11/09/05 DUP	E601	0 of 18	-	-	-	-	-
CARNRW4	12/14/05	E601	0 of 19	-	-	-	-	-
CARNRW4	12/14/05 DUP	E601	0 of 18	-	-	-	-	-
BC6-10	3/1/05	E601	0 of 19	-	-	-	-	-
BC6-10	7/14/05	E601	0 of 18	-	-	-	-	-
EP6-06	3/8/05	E624	0 of 29	-	-	-	-	-
EP6-06	5/4/05	E624	0 of 29	-	-	-	-	-
EP6-06	7/27/05	E624	0 of 30	-	-	-	-	-
EP6-06	10/25/05	E624	0 of 30	-	-	-	-	-
EP6-07	3/1/05	E601	0 of 19	-	-	-	-	-
EP6-07	7/18/05	E601	0 of 19	-	-	-	-	-
EP6-08	3/8/05	E624	0 of 29	-	-	-	-	-
EP6-08	4/28/05	E624	0 of 29	-	-	-	-	-
EP6-08	7/21/05	E624	0 of 30	-	-	-	-	-
EP6-08	10/19/05	E624	0 of 30	-	-	-	-	-
EP6-09	3/7/05	E624	0 of 29	-	-	-	-	-
EP6-09	03/07/05 DUP	E624	0 of 29	-	-	-	-	-
EP6-09	5/4/05	E624	0 of 29	-	-	-	-	-
EP6-09	7/21/05	E624	0 of 30	-	-	-	-	-
EP6-09	10/25/05	E624	0 of 30	-	-	-	-	-
W-PIT6-1819	1/19/05	E601	0 of 19	-	-	-	-	-
W-PIT6-1819	5/6/05	E601	0 of 19	-	-	-	-	-
W-PIT6-1819	7/19/05	E601	0 of 19	-	-	-	-	-
W-PIT6-1819	10/12/05	E601	0 of 19	-	-	-	-	-
K6-01	3/3/05	E601	0 of 19	-	-	-	-	-
K6-01	7/27/05	E601	0 of 18	-	-	-	-	-
K6-01S	3/3/05	E624	1 of 29	2.6	-	-	-	-
K6-01S	5/4/05	E624	1 of 29	2.2	-	-	-	-
K6-01S	7/7/05	E624	1 of 30	2.4	-	-	-	-
K6-01S	07/07/05 DUP	E624	1 of 30	2.4	-	-	-	-
K6-01S	10/6/05	E624	1 of 30	2 H	-	-	-	-
K6-03	3/1/05	E601	0 of 19	-	-	-	-	-
K6-03	7/18/05	E601	0 of 19	-	-	-	-	-
K6-04	3/2/05	E601	0 of 19	-	-	-	-	-
K6-04	7/13/05	E601	0 of 19	-	-	-	-	-
K6-14	3/1/05	E601	0 of 19	-	-	-	-	-
K6-14	7/13/05	E601	0 of 19	-	-	-	-	-
K6-16	3/1/05	E601	0 of 19	-	-	-	-	-
K6-16	03/01/05 DUP	E601	0 of 19	-	-	-	-	-
K6-16	7/13/05	E601	0 of 18	-	-	-	-	-
K6-17	1/19/05	E601	0 of 19	-	-	-	-	-
K6-17	01/19/05 DUP	E601	0 of 18	-	-	-	-	-
K6-17	5/4/05	E601	0 of 19	-	-	-	-	-
K6-17	05/04/05 DUP	E601	0 of 18	-	-	-	-	-
K6-17	7/18/05	E601	0 of 19	-	-	-	-	-
K6-17	10/12/05	E601	0 of 19	-	-	-	-	-
K6-17	10/12/05 DUP	E601	0 of 18	-	-	-	-	-
K6-18	3/2/05	E601	0 of 19	-	-	-	-	-
K6-18	7/14/05	E601	0 of 18	-	-	-	-	-
K6-18	07/14/05 DUP	E601	0 of 18	-	-	-	-	-
K6-19	3/8/05	E624	0 of 29	-	-	-	-	-
K6-19	5/3/05	E624	0 of 29	-	-	-	-	-
K6-19	05/03/05 DUP	E624	0 of 29	-	-	-	-	-
K6-19	7/7/05	E624	0 of 30	-	-	-	-	-
K6-19	10/19/05	E624	0 of 30	-	-	-	-	-
K6-19	10/19/05 DUP	E624	0 of 30	-	-	-	-	-
K6-22	5/6/05	E601	0 of 19	-	-	-	-	-
K6-22	7/18/05	E601	0 of 19	-	-	-	-	-
K6-22	10/12/05	E601	0 of 19	-	-	-	-	-
K6-23	3/2/05	E601	0 of 19	-	-	-	-	-
K6-23	7/19/05	E601	0 of 19	-	-	-	-	-
K6-24	3/1/05	E601	0 of 19	-	-	-	-	-
K6-24	7/14/05	E601	0 of 18	-	-	-	-	-
K6-25	3/1/05	E601	0 of 19	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Dibromochloromethane (µg/L)	Total Trihalomethanes (µg/L)
K6-25	7/13/05	E601	0 of 18	-	-	-	-	-
K6-26	3/1/05	E601	0 of 19	-	-	-	-	-
K6-26	7/14/05	E601	0 of 19	-	-	-	-	-
K6-27	3/1/05	E601	0 of 19	-	-	-	-	-
K6-27	7/14/05	E601	0 of 18	-	-	-	-	-
K6-32	3/2/05	E601	0 of 19	-	-	-	-	-
K6-32	7/21/05	E601	0 of 19	-	-	-	-	-
K6-33	3/2/05	E601	0 of 19	-	-	-	-	-
K6-33	7/19/05	E601	0 of 18	-	-	-	-	-
K6-34	1/19/05	E601	0 of 19	-	-	-	-	-
K6-34	5/6/05	E601	0 of 19	-	-	-	-	-
K6-34	7/19/05	E601	0 of 19	-	-	-	-	-
K6-34	10/12/05	E601	0 of 19	-	-	-	-	-
K6-35	3/2/05	E601	0 of 19	-	-	-	-	-
K6-35	7/14/05	E601	0 of 18	-	-	-	-	-
K6-36	3/2/05	E624	0 of 29	-	-	-	-	-
K6-36	5/4/05	E624	0 of 29	-	-	-	-	-
K6-36	7/28/05	E624	0 of 30	-	-	-	-	-
K6-36	10/27/05	E624	0 of 30	-	-	-	-	-
W-33C-01	3/2/05	E601	0 of 19	-	-	-	-	-
W-33C-01	7/13/05	E601	0 of 19	-	-	-	-	-
W-34-01	3/8/05	E601	0 of 19	-	-	-	-	-
W-34-02	3/8/05	E601	0 of 19	-	-	-	-	-
SPRING8	10/12/05	E601	0 of 19	-	-	-	-	-

OU3-VOC [ug/L] 2005 data (prepared 2006-03-08 12:47:25, Oracle)

B-14. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
CARNRW1	1/13/05	-	<0.44	<4
CARNRW1	2/11/05	-	<0.44	<4
CARNRW1	3/9/05	-	<0.44	<4
CARNRW1	03/09/05 DUP	<0.1	<0.1	<4
CARNRW1	4/13/05	-	<0.44	<4
CARNRW1	04/13/05 DUP	-	<0.1	<4
CARNRW1	5/13/05	-	<0.44	<4
CARNRW1	05/13/05 DUP	-	<0.1	<4
CARNRW1	6/8/05	-	<0.44	<4
CARNRW1	06/08/05 DUP	-	<0.1 L	<4
CARNRW1	7/14/05	-	<0.44	<4
CARNRW1	07/14/05 DUP	-	<0.44	<4
CARNRW1	07/14/05 DUP	-	<5 D	<4
CARNRW1	07/14/05 DUP	-	<5 D	<4
CARNRW1	8/15/05	-	1	<4
CARNRW1	08/15/05 DUP	-	0.86	<4
CARNRW1	08/15/05 DUP	-	1.1	<4
CARNRW1	08/15/05 DUP	-	0.95	<4
CARNRW1	9/14/05	-	<0.5	<4
CARNRW1	09/14/05 DUP	-	<0.5	<4
CARNRW1	09/14/05 DUP	-	<0.5	<4 L
CARNRW1	09/14/05 DUP	-	<0.5	<4 L
CARNRW1	10/12/05	-	0.81	<4
CARNRW1	10/12/05 DUP	-	0.63	<4
CARNRW1	11/8/05	-	<0.5	<4
CARNRW1	11/9/05	-	<2	<4
CARNRW1	12/14/05	-	<0.5	<4
CARNRW1	12/14/05 DUP	-	<0.1	<4
CARNRW2	1/13/05	-	<0.44	<4
CARNRW2	2/11/05	-	<0.44	<4
CARNRW2	3/10/05	-	<0.44	<4
CARNRW2	03/10/05 DUP	<0.1	0.27	<4
CARNRW2	4/18/05	-	<0.44 E	<4
CARNRW2	04/18/05 DUP	-	0.38	<4
CARNRW2	5/13/05	-	<0.44	<4
CARNRW2	05/13/05 DUP	-	<0.1	<4
CARNRW2	6/8/05	-	<0.44	<4
CARNRW2	06/08/05 DUP	-	0.44 L	<4
CARNRW2	7/19/05	-	5.2 D	<4
CARNRW2	07/19/05 DUP	-	-	<4
CARNRW2	8/15/05	-	<0.5	<4
CARNRW2	08/15/05 DUP	-	<0.1	<4
CARNRW2	9/14/05	-	<0.5	<4 L
CARNRW2	09/14/05 DUP	-	<0.1	<4
CARNRW2	10/12/05	-	<0.5	<4
CARNRW2	10/12/05 DUP	-	<0.1	<4
CARNRW2	11/9/05	-	<0.5 E	<4
CARNRW2	11/09/05 DUP	-	<2	<4
CARNRW2	12/14/05	-	<0.5	<4
CARNRW2	12/14/05 DUP	-	<0.1	<4
CARNRW3	1/13/05	-	<0.44	<4
CARNRW3	2/11/05	-	<0.44	<4
CARNRW3	3/9/05	-	<0.44	<4
CARNRW3	03/09/05 DUP	-	<0.1	<4
CARNRW3	4/18/05	-	<0.44	<4 E
CARNRW3	04/18/05 DUP	-	<0.1	<4
CARNRW3	5/13/05	-	<0.44	<4
CARNRW3	05/13/05 DUP	-	<0.1	<4

B-14. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
CARNRW3	6/8/05	-	<0.44	<4
CARNRW3	06/08/05 DUP	-	<0.1 L	<4
CARNRW3	7/14/05	-	<0.44	<4
CARNRW3	07/14/05 DUP	-	0.19	<4
CARNRW3	8/15/05	-	<0.5	<4
CARNRW3	08/15/05 DUP	-	0.37	<4
CARNRW3	9/13/05	-	<0.5	<4
CARNRW3	09/13/05 DUP	<0.1	<0.1	<4
CARNRW3	10/12/05	-	<0.5	<4
CARNRW3	10/12/05 DUP	-	<0.1	<4
CARNRW3	11/9/05	-	<0.5 E	<4
CARNRW3	11/09/05 DUP	-	<2	<4
CARNRW3	12/14/05	-	<0.5	<4
CARNRW3	12/14/05 DUP	-	<0.1	<4
CARNRW4	1/13/05	-	1.1	<4
CARNRW4	2/11/05	-	9.24 D	<4
CARNRW4	3/10/05	-	13	<4
CARNRW4	03/10/05 DUP	-	10	<4
CARNRW4	4/18/05	-	3.5	<4
CARNRW4	04/18/05 DUP	-	3.5	<4
CARNRW4	5/13/05	-	1.9	<4
CARNRW4	05/13/05 DUP	-	1.8	<4
CARNRW4	6/8/05	-	1.5 D	<4
CARNRW4	06/08/05 DUP	-	1.8 L	<4
CARNRW4	7/14/05	-	0.86	<4
CARNRW4	07/14/05 DUP	-	1.1	<4
CARNRW4	8/15/05	-	<1 D	<4
CARNRW4	08/15/05 DUP	-	<0.1	<4
CARNRW4	9/13/05	-	<1 D	<4
CARNRW4	09/13/05 DUP	-	<0.1	<4
CARNRW4	10/12/05	-	<0.5	<4
CARNRW4	10/12/05 DUP	-	<0.1	<4
CARNRW4	11/9/05	-	<0.5	<4
CARNRW4	11/09/05 DUP	-	<2	<4
CARNRW4	12/14/05	-	<0.5	<4
CARNRW4	12/14/05 DUP	-	<0.1	<4
BC6-10	3/1/05	-	3	<4
EP6-06	3/8/05	-	<0.5	<4
EP6-06	5/4/05	-	<0.5	<4
EP6-06	7/27/05	-	<0.5	<4
EP6-06	10/25/05	-	<0.5	<4
EP6-07	3/1/05	-	<0.44	<4
EP6-08	3/8/05	-	<0.44	<4
EP6-08	4/28/05	-	<0.5	<4
EP6-08	7/21/05	-	<0.5	<4
EP6-08	10/19/05	-	<0.5	<4
EP6-09	3/7/05	-	3.2	4.6
EP6-09	03/07/05 DUP	-	3.1	4.5
EP6-09	5/4/05	-	3.3	4.4
EP6-09	7/21/05	-	3.1	6.9
EP6-09	10/25/05	-	3.2	4
W-PIT6-1819	1/19/05	-	<0.44	<4
W-PIT6-1819	7/19/05	-	<0.44 S	<4
K6-01	3/3/05	-	<0.44	<4
K6-01S	3/3/05	-	<0.88 D	<4
K6-01S	5/4/05	-	<2.5 D	<4
K6-01S	7/7/05	-	<0.1	<4
K6-01S	07/07/05 DUP	-	<0.1	<4

B-14. Pit 6 Landfill OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K6-01S	10/6/05	-	<0.1	<4 L
K6-03	3/1/05	-	<0.44	<4
K6-04	3/2/05	-	8.8	<4
K6-14	3/1/05	-	<0.44	<4
K6-16	3/1/05	-	7.1 D	<4
K6-16	03/01/05 DUP	-	7 D	<4
K6-17	1/19/05	-	<0.44	<4
K6-17	01/19/05 DUP	-	<2	<4
K6-17	7/18/05	-	<0.44	<4
K6-18	3/2/05	-	9.9 D	<4
K6-19	3/8/05	-	<0.44	<4
K6-19	5/3/05	-	<0.5	<4
K6-19	05/03/05 DUP	-	<0.5	<4 E
K6-19	7/7/05	-	<0.1	<4
K6-19	10/19/05	-	<0.1	<4
K6-19	10/19/05 DUP	-	<0.1	<4
K6-22	7/18/05	-	<0.88 D	<4
K6-23	3/2/05	-	200 D	<4
K6-24	3/1/05	-	0.98	<4
K6-25	3/1/05	-	<0.88 D	<4
K6-26	3/1/05	-	<0.44	<4
K6-27	3/1/05	-	<0.44	<4
K6-32	3/2/05	-	0.58	<4
K6-33	3/2/05	-	1.7	<4
K6-34	1/19/05	-	<0.44	<4
K6-34	7/19/05	-	<0.44 S	<4
K6-35	3/2/05	-	<0.44	<4
K6-36	3/2/05	-	0.87	<4 E
K6-36	5/4/05	-	<0.5	<4
K6-36	7/28/05	-	0.45	<4
K6-36	10/27/05	-	<0.1	<4
W-33C-01	3/2/05	-	2.5 D	<4
W-34-01	3/8/05	-	<0.44	<4
W-34-02	3/8/05	-	<0.44	<4
SPRING8	10/12/05	-	-	<4

OU3-E300.0 [mg/L; ug/L]   2005 data   (prepared 2006-03-08 09:25:43, Oracle)

B-15. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
CARNRW1	1/13/05	<100
CARNRW1	2/11/05	<100
CARNRW1	3/9/05	<100
CARNRW1	03/09/05 DUP	<200
CARNRW1	4/13/05	<100
CARNRW1	04/13/05 DUP	<200
CARNRW1	5/13/05	<100
CARNRW1	05/13/05 DUP	<200
CARNRW1	6/8/05	<100
CARNRW1	06/08/05 DUP	<200
CARNRW1	7/14/05	<100
CARNRW1	07/14/05 DUP	<200
CARNRW1	07/14/05 DUP	<200
CARNRW1	07/14/05 DUP	1,200 ± 140
CARNRW1	8/15/05	<100
CARNRW1	08/15/05 DUP	<200
CARNRW1	08/15/05 DUP	<200
CARNRW1	08/15/05 DUP	<100
CARNRW1	9/14/05	<100
CARNRW1	09/14/05 DUP	<200
CARNRW1	09/14/05 DUP	<200
CARNRW1	09/14/05 DUP	<100
CARNRW1	10/12/05	108 ± 58.0
CARNRW1	10/12/05 DUP	<200
CARNRW1	11/9/05	<100
CARNRW1	11/09/05 DUP	<200
CARNRW1	12/14/05	<100
CARNRW1	12/14/05 DUP	<200
CARNRW2	1/13/05	<100
CARNRW2	2/11/05	<100
CARNRW2	3/10/05	<100
CARNRW2	03/10/05 DUP	<200
CARNRW2	4/18/05	<100
CARNRW2	04/18/05 DUP	<200
CARNRW2	5/13/05	<100
CARNRW2	05/13/05 DUP	<200
CARNRW2	6/8/05	<100
CARNRW2	06/08/05 DUP	<200
CARNRW2	7/19/05	<100
CARNRW2	07/19/05 DUP	<200
CARNRW2	8/15/05	<100
CARNRW2	08/15/05 DUP	<200
CARNRW2	9/14/05	<100
CARNRW2	09/14/05 DUP	<200
CARNRW2	10/12/05	<100
CARNRW2	10/12/05 DUP	<200
CARNRW2	11/9/05	<100

B-15. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
CARNRW2	11/09/05 DUP	<200
CARNRW2	12/14/05	<100
CARNRW2	12/14/05 DUP	<200
CARNRW3	1/13/05	<100
CARNRW3	2/11/05	<100
CARNRW3	3/9/05	<100
CARNRW3	03/09/05 DUP	<200
CARNRW3	4/18/05	<100
CARNRW3	04/18/05 DUP	<200
CARNRW3	5/13/05	<100
CARNRW3	05/13/05 DUP	<200
CARNRW3	6/8/05	<100
CARNRW3	06/08/05 DUP	<200
CARNRW3	7/14/05	<100
CARNRW3	07/14/05 DUP	<200
CARNRW3	8/15/05	<100
CARNRW3	08/15/05 DUP	<200
CARNRW3	9/13/05	<100
CARNRW3	09/13/05 DUP	<200
CARNRW3	10/12/05	<100
CARNRW3	10/12/05 DUP	<200
CARNRW3	11/9/05	<100
CARNRW3	11/09/05 DUP	<200
CARNRW3	12/14/05	<100
CARNRW3	12/14/05 DUP	<200
CARNRW4	1/13/05	<100
CARNRW4	2/11/05	<100
CARNRW4	3/10/05	<100
CARNRW4	03/10/05 DUP	<200
CARNRW4	4/18/05	<100
CARNRW4	04/18/05 DUP	<200
CARNRW4	5/13/05	<100
CARNRW4	05/13/05 DUP	<200
CARNRW4	6/8/05	<100
CARNRW4	06/08/05 DUP	<200
CARNRW4	7/14/05	109 ± 60.0
CARNRW4	07/14/05 DUP	<200
CARNRW4	8/15/05	<100
CARNRW4	08/15/05 DUP	<200
CARNRW4	9/13/05	<100
CARNRW4	09/13/05 DUP	<200
CARNRW4	10/12/05	192 ± 63.0
CARNRW4	10/12/05 DUP	<200
CARNRW4	11/9/05	<100
CARNRW4	11/09/05 DUP	<200
CARNRW4	12/14/05	<100
CARNRW4	12/14/05 DUP	<200

B-15. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
BC6-10	3/1/05	200 ± 62.0
BC6-10	6/23/05	<200
BC6-10	6/30/05	<100
BC6-10	7/14/05	<100
EP6-06	3/8/05	<100
EP6-06	5/4/05	<100
EP6-06	7/27/05	<100
EP6-06	10/25/05	<100
EP6-07	3/1/05	134 ± 60.0
EP6-07	7/18/05	<100
EP6-08	3/8/05	<100
EP6-08	4/28/05	<100
EP6-08	7/21/05	<100
EP6-08	10/19/05	<100
EP6-09	3/7/05	<100
EP6-09	03/07/05 DUP	<100
EP6-09	5/4/05	<100
EP6-09	7/21/05	<100
EP6-09	10/25/05	<100
W-PIT6-1819	1/19/05	137 ± 56.0
W-PIT6-1819	5/6/05	<100
W-PIT6-1819	7/19/05	164 ± 61.0
W-PIT6-1819	10/12/05	156 ± 61.0
K6-01	3/3/05	238 ± 64.0
K6-01	7/27/05	211 ± 64.0
K6-01S	3/3/05	237 ± 63.0
K6-01S	5/4/05	138 ± 56.0
K6-01S	7/7/05	213 ± 57.0
K6-01S	07/07/05 DUP	216 ± 49.0
K6-01S	10/6/05	278 ± 67.0
K6-03	3/1/05	<100
K6-03	7/18/05	<100
K6-04	3/2/05	<100
K6-04	7/13/05	<100
K6-14	3/1/05	<100
K6-14	7/13/05	<100
K6-16	3/1/05	343 ± 71.0
K6-16	03/01/05 DUP	427 ± 78.0
K6-16	7/13/05	179 ± 62.0
K6-17	1/19/05	<100
K6-17	01/19/05 DUP	<205
K6-17	5/4/05	<100
K6-17	05/04/05 DUP	<200
K6-17	7/18/05	<100
K6-17	10/12/05	<100
K6-17	10/12/05 DUP	<200
K6-18	3/2/05	240 ± 66.0

B-15. Pit 6 Landfill OU tritium in ground and surface water.

Location	Date	Tritium (pCi/L)
K6-18	7/14/05	383 ± 73.0
K6-18	07/14/05 DUP	316 ± 72.1
K6-19	3/8/05	223 ± 63.0
K6-19	5/3/05	226 ± 60.0
K6-19	05/03/05 DUP	248 ± 61.0
K6-19	7/7/05	372 ± 55.0
K6-19	10/19/05	323 ± 68.0
K6-19	10/19/05 DUP	333 ± 70.0
K6-22	5/6/05	<100
K6-22	7/18/05	<100
K6-22	10/12/05	<100
K6-23	3/2/05	<100
K6-23	7/19/05	<100
K6-24	3/1/05	439 ± 80.0
K6-24	7/14/05	512 ± 81.0
K6-25	3/1/05	215 ± 63.0
K6-25	6/23/05	<200
K6-25	6/30/05	<100
K6-25	7/13/05	<100
K6-26	3/1/05	<100
K6-26	7/14/05	<100
K6-27	3/1/05	274 ± 67.0
K6-27	7/14/05	<100
K6-32	3/2/05	<100
K6-32	7/21/05	<100
K6-33	3/2/05	399 ± 78.0
K6-33	7/19/05	294 ± 68.0
K6-34	1/19/05	<100
K6-34	5/6/05	<100
K6-34	7/19/05	<100
K6-34	10/12/05	<100
K6-35	3/2/05	116 ± 60.0
K6-35	7/14/05	<100
K6-36	3/2/05	1,550 ± 170
K6-36	5/4/05	1,490 ± 160
K6-36	7/28/05	1,590 ± 190
K6-36	10/27/05	1,560 ± 180
W-33C-01	3/2/05	<100
W-33C-01	7/13/05	<100
W-34-01	3/8/05	<100
W-34-02	3/8/05	<100
SPRING8	10/12/05	<100

OU3-RAD [pCi/L] 2005 data (prepared 2006-03-08 09:26:00, Oracle)

B-16. Pit 6 Landfill OU metals in surface water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
SPRING8	10/12/05	0.034	0.055	<0.004 DL	<0.001	<0.001	<0.005	<0.0002	0.0061	<0.001

OU3-DWMETALS [mg/L] 2005 data (prepared 2006-03-03 08:32:01, Oracle)

B-17. Pit 6 Landfill OU high explosives in surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
SPRING8	10/12/05	<5	<5

OU3-E8330 [ug/L] 2005 data (prepared 2006-03-03 08:32:56, Oracle)

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-815-2110	9/7/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-815-2111	9/14/05	E624	1.6 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 HL	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
W-817-2109	9/15/05	E624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
GALLO1	1/12/05	E601	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	1/12/05	E502.2	0.59	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GALLO1	2/9/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	3/9/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	03/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	4/20/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	4/20/05	E502.2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	04/20/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
GALLO1	04/20/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	5/13/05	E601	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	05/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	6/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	06/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	7/13/05	E601	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	7/13/05	E502.2	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	07/13/05 DUP	E601	0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	07/13/05 DUP	E502.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	8/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	08/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	9/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	09/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/20/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/20/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/20/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	10/20/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
GALLO1	11/10/05	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	11/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	12/15/05	E601	0.66 BL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GALLO1	12/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	4/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-01	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	1/14/05	E601	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	4/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-02	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	4/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-03	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	1/14/05	E601	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	4/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-04	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	1/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	4/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35B-05	10/18/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-01	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-01	9/20/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-02	2/4/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-02	7/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-04	1/12/05	E601	8.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-04	7/13/05	E601	8.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-04	8/9/05	E601	8.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-04	10/18/05	E601	8.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-05	1/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-05	8/17/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-06	1/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-06	7/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	3/4/05	E601	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	03/04/05 DUP	E601	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-07	7/21/05	E601	2.9 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	<0.5
W-35C-08	3/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-35C-08	8/17/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	2/24/05	E601	3.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	02/24/05 DUP	E601	3.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4A	9/7/05	E601	6.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4AS	2/24/05	E601	2.6 B	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4AS	02/24/05 DUP	E601	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4AS	9/7/05	E601	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4B	1/27/05	E601	1.9	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4B	01/27/05 DUP	E601	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4B	8/1/05	E601	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	1/27/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	8/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-4C	10/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BD	1/27/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BD	8/16/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BS	1/27/05	E601	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BS	8/16/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6BS	08/16/05 DUP	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-6CD	1/28/05	E601	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CD	7/21/05	E601	0.7 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CI	1/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CI	7/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CS	1/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6CS	7/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6EI	1/28/05	E601	7.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6EI	8/11/05	E601	6.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	1/12/05	E601	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	7/13/05	E601	8.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	8/9/05	E601	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ER	10/18/05	E601	8.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ES	1/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6ES	8/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6F	1/28/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6F	8/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6G	1/28/05	E601	8.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6G	8/11/05	E601	7.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	4/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6H	10/5/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6I	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6I	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	4/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6J	10/5/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-6K	1/26/05	E601	13	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
W-6K	8/15/05	E601	3.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6L	1/26/05	E601	35	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-6L	8/15/05	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	<0.5
W-806-06A	1/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-806-06A	5/20/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-01	1/27/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-01	8/23/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-03	1/27/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-808-03	8/22/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-01	1/21/05	E601	2.5 B	<0.5 E	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-01	01/21/05 DUP	E601	2.8	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-01	8/24/05	E601	1.9 L	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-01	08/24/05 DUP	E601	3.1	-	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	1.9	<0.5	<0.5 L	-	<0.5	<0.5
W-809-02	1/21/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-02	8/22/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-03	1/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-03	8/22/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-04	1/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-809-04	8/22/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-810-01	1/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-810-01	8/23/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-01	2/4/05	E601	2.5 L	<0.5	1.5	<0.5	<0.5	0.9	<0.5	0.6	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-01	8/30/05	E601	2	<0.5	1.2	<0.5	0.6	0.8	<0.5	0.7	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-02	2/4/05	E601	11 L	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-02	8/30/05	E601	9.7	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-04	3/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-04	8/30/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-04	12/1/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-814-2134	9/19/05	E624	3.1 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	<0.5 H	<1 H	<0.5 H
W-815-02	1/12/05	E601	8.9	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5 E	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-02	4/6/05	E601	6.5 B	<0.5 E	<0.5	<0.5	<0.5	<0.5 E	<0.5 E	<0.5	0.73	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-02	7/13/05	E601	7.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.91	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-02	10/12/05	E601	7.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.95	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-04	1/21/05	E601	3.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-04	8/18/05	E601	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-04	12/8/05	E601	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-05	1/21/05	E601	17 B	<0.5 E	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-05	01/21/05 DUP	E601	23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-05	8/18/05	E601	5.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-05	08/18/05 DUP	E601	4.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-06	2/4/05	E601	15 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-06	8/31/05	E601	13 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-07	2/4/05	E601	20 L	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-07	8/31/05	E601	17 L	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	1/21/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	4/5/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-08	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-815-1918	8/24/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<1	<0.5
W-815-1918	12/6/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-815-1928	8/24/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	1/28/05	WDRE624	<0.5 EF	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	4/5/05	WDRE624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-01	04/05/05 DUP	WDRE624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-01	4/7/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	7/27/05	WDRE624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-817-01	10/5/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-01	10/12/05	WDRE624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-01	10/12/05 DUP	WDRE624	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-02	2/4/05	WDRE624	0.67	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-02	4/5/05	WDRE624	0.52	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-02	7/25/05	WDRE624	0.53	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-02	10/12/05	WDRE624	0.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-03	1/28/05	WDRE624	12 F	<0.5 E	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03	01/28/05 DUP	WDRE624	12 F	<0.5 E	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03	4/4/05	WDRE624	13	<1 E	<1	<1	<1	<1 E	<1	<1	<1 E	<1	<1	<1	<1	<1
W-817-03	7/19/05	WDRE624	13	<1	<1	<1	<1	<1 E	<1	<1	<1 E	<1	<1	<1	<1	<1
W-817-03	10/11/05	WDRE624	7.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-03	10/24/05	E601	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03A	1/21/05	E601	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-03A	8/18/05	E601	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-04	2/4/05	WDRE624	6.8	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-04	4/4/05	WDRE624	6.6	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1	<1	<1
W-817-04	7/26/05	WDRE624	7.8	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1	<1	<1
W-817-04	07/26/05 DUP	WDRE624	8.5	<1	<1	<1	<1	<1 E	<1	<1	<1	<1	<1	<1	<1	<1
W-817-04	10/11/05	WDRE624	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
W-817-04	10/24/05	E601	5.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-04	11/17/05	WDRE624	7.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-04	11/22/05	WDRE624	7.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
W-817-05	1/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-05	8/24/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-07	1/21/05	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-07	8/18/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-817-07	08/18/05 DUP	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-01	2/4/05	E601	19 L	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-01	8/31/05	E601	15 L	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-03	3/15/05	E601	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-04	3/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-04	8/24/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	3/4/05	E601	18 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	03/04/05 DUP	E601	22	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-06	8/24/05	E601	16 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-07	3/15/05	E601	21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-07	8/24/05	E601	16 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-08	1/20/05	E601	63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-08	8/9/05	E601	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-08	10/18/05	E601	38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	1/20/05	E601	27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	8/9/05	E601	18	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-09	10/18/05	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-11	2/4/05	E601	52 DL	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-818-11	8/31/05	E601	50 L	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-819-02	3/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-819-02	9/7/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-01	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-01	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-02	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-02	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-03	1/21/05	E601	0.8 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-03	7/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-13	1/21/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-823-13	9/1/05	E601	0.9 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-02	3/14/05	E601	2.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-03	9/7/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	3/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	6/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	9/7/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-827-05	10/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	3/15/05	E601	95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	7/19/05	E601	91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	8/18/05	E601	61	<0.5	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-829-06	8/22/05	E601	57	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	8/23/05	E601	65 B	<0.5	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	8/24/05	E601	63	<0.5	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-06	10/20/05	E601	26	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-08	3/15/05	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-08	7/19/05	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-15	2/17/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-15	4/7/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-15	04/07/05 DUP	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-1938	2/23/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-1938	4/21/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-1938	7/21/05	E624	<0.5 BE	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1
W-829-1938	10/5/05	E624	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
W-829-1938	10/05/05 DUP	E624	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
W-829-1940	3/14/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-1940	8/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-22	2/10/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-22	02/10/05 DUP	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-829-22	5/2/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	1/12/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	01/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
WELL18	2/9/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	02/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	3/9/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	03/09/05 DUP	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	03/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	4/13/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	4/13/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	04/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	04/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	5/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	5/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	05/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	05/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	6/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	6/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	06/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	06/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	07/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	07/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	8/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	8/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	08/10/05 DUP	E601	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
WELL18	9/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	9/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	09/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	11/9/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	11/09/05 DUP	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	11/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	12/15/05	E601	<0.5 BL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	12/15/05 DUP	E601	<0.5 BL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL18	12/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	1/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	1/12/05	E502.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	2/9/05	E502.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WELL20	2/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	3/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	3/9/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	03/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	03/09/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	4/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	04/13/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	04/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	5/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	5/12/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	05/12/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	05/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	6/9/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	6/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	06/09/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	06/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	7/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	7/13/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	07/13/05 DUP	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	07/13/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	8/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	8/10/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	08/10/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	08/10/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	9/14/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	9/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	09/14/05 DUP	E502.2	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	09/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	10/12/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	10/12/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	10/12/05 DUP	E502.2	<0.5 HL	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<0.5 H	<1 H	<0.5 H
WELL20	10/12/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/9/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/9/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/09/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	11/09/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	12/15/05	E601	<0.5 BL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	12/15/05	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
WELL20	12/15/05 DUP	E502.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
WELL20	12/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING14	3/30/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Bromodichloromethane (µg/L)	Chloromethane (µg/L)	Methylene chloride (µg/L)
W-815-2110	9/7/05	E624	0 of 30	-	-	-	-	-	-
W-815-2111	9/14/05	E624	1 of 30	-	-	-	-	1.7 H	-
W-817-2109	9/15/05	E624	0 of 30	-	-	-	-	-	-
GALLO1	1/12/05	E502.2	0 of 46	-	-	-	-	-	-
GALLO1	1/12/05	E502.2	0 of 17	-	-	-	-	-	-
GALLO1	2/9/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	3/9/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	03/09/05 DUP	E601	0 of 18	-	-	-	-	-	-
GALLO1	4/20/05	E502.2	0 of 48	-	-	-	-	-	-
GALLO1	4/20/05	E502.2	0 of 17	-	-	-	-	-	-
GALLO1	04/20/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
GALLO1	04/20/05 DUP	E601	0 of 17	-	-	-	-	-	-
GALLO1	5/13/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	05/13/05 DUP	E601	0 of 18	-	-	-	-	-	-
GALLO1	6/9/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	06/09/05 DUP	E601	0 of 18	-	-	-	-	-	-
GALLO1	7/13/05	E502.2	0 of 48	-	-	-	-	-	-
GALLO1	7/13/05	E502.2	0 of 17	-	-	-	-	-	-
GALLO1	07/13/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
GALLO1	07/13/05 DUP	E502.2	0 of 17	-	-	-	-	-	-
GALLO1	8/10/05	E601	0 of 18	-	-	-	-	-	-
GALLO1	08/10/05 DUP	E601	0 of 18	-	-	-	-	-	-
GALLO1	9/14/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	09/14/05 DUP	E601	0 of 18	-	-	-	-	-	-
GALLO1	10/20/05	E502.2	0 of 48	-	-	-	-	-	-
GALLO1	10/20/05	E601	0 of 17	-	-	-	-	-	-
GALLO1	10/20/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
GALLO1	10/20/05 DUP	E502.2	0 of 17	-	-	-	-	-	-
GALLO1	11/10/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	11/10/05 DUP	E601	0 of 18	-	-	-	-	-	-
GALLO1	12/15/05	E601	0 of 19	-	-	-	-	-	-
GALLO1	12/15/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-35B-01	1/14/05	E601	0 of 18	-	-	-	-	-	-
W-35B-01	4/20/05	E601	0 of 18	-	-	-	-	-	-
W-35B-01	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-35B-01	10/18/05	E601	0 of 18	-	-	-	-	-	-
W-35B-02	1/14/05	E601	0 of 18	-	-	-	-	-	-
W-35B-02	4/20/05	E601	0 of 18	-	-	-	-	-	-
W-35B-02	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-35B-02	10/18/05	E601	0 of 18	-	-	-	-	-	-
W-35B-03	1/14/05	E601	0 of 18	-	-	-	-	-	-
W-35B-03	4/20/05	E601	0 of 18	-	-	-	-	-	-
W-35B-03	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-35B-03	10/18/05	E601	0 of 18	-	-	-	-	-	-
W-35B-04	1/14/05	E601	0 of 18	-	-	-	-	-	-
W-35B-04	4/20/05	E601	0 of 18	-	-	-	-	-	-
W-35B-04	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-35B-04	10/18/05	E601	0 of 18	-	-	-	-	-	-
W-35B-05	1/14/05	E601	0 of 18	-	-	-	-	-	-
W-35B-05	4/20/05	E601	0 of 18	-	-	-	-	-	-
W-35B-05	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-35B-05	10/18/05	E601	0 of 18	-	-	-	-	-	-
W-35C-01	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-35C-01	9/20/05	E601	0 of 18	-	-	-	-	-	-
W-35C-02	2/4/05	E601	0 of 18	-	-	-	-	-	-
W-35C-02	7/21/05	E601	0 of 18	-	-	-	-	-	-
W-35C-04	1/12/05	E601	0 of 18	-	-	-	-	-	-
W-35C-04	7/13/05	E601	0 of 19	-	-	-	-	-	-
W-35C-04	8/9/05	E601	0 of 19	-	-	-	-	-	-
W-35C-04	10/18/05	E601	0 of 19	-	-	-	-	-	-
W-35C-05	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-35C-05	8/17/05	E601	1 of 18	-	-	-	-	-	0.8
W-35C-06	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-35C-06	7/21/05	E601	0 of 18	-	-	-	-	-	-
W-35C-07	3/4/05	E601	1 of 18	-	-	-	-	-	2.6
W-35C-07	03/04/05 DUP	E601	1 of 18	-	-	-	-	-	2.6
W-35C-07	7/21/05	E601	1 of 18	-	-	-	-	-	2.2
W-35C-08	3/4/05	E601	0 of 18	-	-	-	-	-	-
W-35C-08	8/17/05	E601	0 of 18	-	-	-	-	-	-
W-4A	2/24/05	E601	0 of 18	-	-	-	-	-	-
W-4A	02/24/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-4A	9/7/05	E601	0 of 18	-	-	-	-	-	-
W-4AS	2/24/05	E601	0 of 19	-	-	-	-	-	-
W-4AS	02/24/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-4AS	9/7/05	E601	0 of 18	-	-	-	-	-	-
W-4B	1/27/05	E601	0 of 19	-	-	-	-	-	-
W-4B	01/27/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-4B	8/1/05	E601	0 of 18	-	-	-	-	-	-
W-4C	1/27/05	E601	0 of 18	-	-	-	-	-	-
W-4C	8/1/05	E601	0 of 18	-	-	-	-	-	-
W-4C	10/13/05	E601	0 of 18	-	-	-	-	-	-
W-6BD	1/27/05	E601	0 of 18	-	-	-	-	-	-
W-6BD	8/16/05	E601	0 of 18	-	-	-	-	-	-
W-6BS	1/27/05	E601	0 of 18	-	-	-	-	-	-
W-6BS	8/16/05	E601	0 of 18	-	-	-	-	-	-
W-6BS	08/16/05 DUP	E601	0 of 16	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Bromodichloromethane (µg/L)	Chloromethane (µg/L)	Methylene chloride (µg/L)
W-6CD	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6CD	7/21/05	E601	0 of 18	-	-	-	-	-	-
W-6CI	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6CI	7/21/05	E601	0 of 18	-	-	-	-	-	-
W-6CS	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6CS	7/21/05	E601	0 of 18	-	-	-	-	-	-
W-6EI	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6EI	8/11/05	E601	0 of 18	-	-	-	-	-	-
W-6ER	1/12/05	E601	0 of 18	-	-	-	-	-	-
W-6ER	7/13/05	E601	0 of 19	-	-	-	-	-	-
W-6ER	8/9/05	E601	0 of 19	-	-	-	-	-	-
W-6ER	10/18/05	E601	0 of 19	-	-	-	-	-	-
W-6ES	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6ES	8/11/05	E601	0 of 18	-	-	-	-	-	-
W-6F	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6F	8/11/05	E601	0 of 18	-	-	-	-	-	-
W-6G	1/28/05	E601	0 of 18	-	-	-	-	-	-
W-6G	8/11/05	E601	0 of 18	-	-	-	-	-	-
W-6H	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-6H	4/25/05	E601	0 of 18	-	-	-	-	-	-
W-6H	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-6H	10/5/05	E601	0 of 18	-	-	-	-	-	-
W-6I	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-6I	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-6J	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-6J	4/25/05	E601	0 of 18	-	-	-	-	-	-
W-6J	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-6J	10/5/05	E601	0 of 18	-	-	-	-	-	-
W-6K	1/26/05	E601	1 of 18	0.5	-	-	-	-	-
W-6K	8/15/05	E601	0 of 18	-	-	-	-	-	-
W-6L	1/26/05	E601	0 of 18	-	-	-	-	-	-
W-6L	8/15/05	E601	0 of 18	-	-	-	-	-	-
W-806-06A	1/24/05	E601	0 of 18	-	-	-	-	-	-
W-806-06A	5/20/05	E601	0 of 18	-	-	-	-	-	-
W-808-01	1/27/05	E601	0 of 18	-	-	-	-	-	-
W-808-01	8/23/05	E601	0 of 18	-	-	-	-	-	-
W-808-03	1/27/05	E601	0 of 18	-	-	-	-	-	-
W-808-03	8/22/05	E601	0 of 18	-	-	-	-	-	-
W-809-01	1/21/05	E601	0 of 19	-	-	-	-	-	-
W-809-01	01/21/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-809-01	8/24/05	E601	0 of 18	-	-	-	-	-	-
W-809-01	08/24/05 DUP	E601	0 of 16	-	-	-	-	-	-
W-809-02	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-809-02	8/22/05	E601	0 of 18	-	-	-	-	-	-
W-809-03	1/26/05	E601	0 of 18	-	-	-	-	-	-
W-809-03	8/22/05	E601	0 of 18	-	-	-	-	-	-
W-809-04	1/24/05	E601	0 of 18	-	-	-	-	-	-
W-809-04	8/22/05	E601	0 of 18	-	-	-	-	-	-
W-810-01	1/24/05	E601	0 of 18	-	-	-	-	-	-
W-810-01	8/23/05	E601	0 of 18	-	-	-	-	-	-
W-814-01	2/4/05	E601	1 of 18	1.5	-	-	-	-	-
W-814-01	8/30/05	E601	1 of 18	1.2	-	-	-	-	-
W-814-02	2/4/05	E601	0 of 18	-	-	-	-	-	-
W-814-02	8/30/05	E601	0 of 18	-	-	-	-	-	-
W-814-04	3/15/05	E601	0 of 18	-	-	-	-	-	-
W-814-04	8/30/05	E601	0 of 18	-	-	-	-	-	-
W-814-04	12/1/05	E601	0 of 18	-	-	-	-	-	-
W-814-2134	9/19/05	E624	2 of 30	-	97 H	57 H	-	-	-
W-815-02	1/12/05	E601	0 of 19	-	-	-	-	-	-
W-815-02	4/6/05	E601	0 of 19	-	-	-	-	-	-
W-815-02	7/13/05	E601	0 of 19	-	-	-	-	-	-
W-815-02	10/12/05	E601	0 of 19	-	-	-	-	-	-
W-815-04	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-815-04	8/18/05	E601	0 of 18	-	-	-	-	-	-
W-815-04	12/8/05	E601	0 of 19	-	-	-	-	-	-
W-815-05	1/21/05	E601	0 of 19	-	-	-	-	-	-
W-815-05	01/21/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-815-05	8/18/05	E601	0 of 18	-	-	-	-	-	-
W-815-05	08/18/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-815-06	2/4/05	E601	0 of 18	-	-	-	-	-	-
W-815-06	8/31/05	E601	0 of 18	-	-	-	-	-	-
W-815-07	2/4/05	E601	0 of 18	-	-	-	-	-	-
W-815-07	8/31/05	E601	0 of 18	-	-	-	-	-	-
W-815-08	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-815-08	4/5/05	E601	0 of 18	-	-	-	-	-	-
W-815-08	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-815-08	10/12/05	E601	0 of 18	-	-	-	-	-	-
W-815-1918	8/24/05	E624	0 of 30	-	-	-	-	-	-
W-815-1918	12/6/05	E624	0 of 30	-	-	-	-	-	-
W-815-1928	8/24/05	E601	0 of 18	-	-	-	-	-	-
W-817-01	1/28/05	WDRE624	0 of 34	-	-	-	-	-	-
W-817-01	4/5/05	WDRE624	0 of 32	-	-	-	-	-	-
W-817-01	04/05/05 DUP	WDRE624	0 of 32	-	-	-	-	-	-
W-817-01	4/7/05	E601	0 of 19	-	-	-	-	-	-
W-817-01	7/13/05	E601	0 of 19	-	-	-	-	-	-
W-817-01	7/27/05	WDRE624	0 of 31	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Bromodichloromethane (µg/L)	Chloromethane (µg/L)	Methylene chloride (µg/L)
W-817-01	10/5/05	E601	0 of 19	-	-	-	-	-	-
W-817-01	10/12/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-01	10/12/05 DUP	WDRE624	0 of 31	-	-	-	-	-	-
W-817-02	2/4/05	WDRE624	0 of 34	-	-	-	-	-	-
W-817-02	4/5/05	WDRE624	0 of 32	-	-	-	-	-	-
W-817-02	7/25/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-02	10/12/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-03	1/28/05	WDRE624	0 of 34	-	-	-	-	-	-
W-817-03	01/28/05 DUP	WDRE624	0 of 34	-	-	-	-	-	-
W-817-03	4/4/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-03	7/19/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-03	10/11/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-03	10/24/05	E601	0 of 18	-	-	-	-	-	-
W-817-03A	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-817-03A	8/18/05	E601	0 of 18	-	-	-	-	-	-
W-817-04	2/4/05	WDRE624	0 of 34	-	-	-	-	-	-
W-817-04	4/4/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-04	7/26/05	WDRE624	0 of 31	-	-	-	-	-	-
W-817-04	07/26/05 DUP	WDRE624	0 of 31	-	-	-	-	-	-
W-817-04	10/11/05	WDRE624	2 of 31	-	810 D	18	-	-	-
W-817-04	10/24/05	E601	0 of 18	-	-	-	-	-	-
W-817-04	11/17/05	WDRE624	0 of 30	-	-	-	-	-	-
W-817-04	11/22/05	WDRE624	0 of 30	-	-	-	-	-	-
W-817-05	1/26/05	E601	0 of 18	-	-	-	-	-	-
W-817-05	8/24/05	E601	0 of 18	-	-	-	-	-	-
W-817-07	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-817-07	8/18/05	E601	0 of 18	-	-	-	-	-	-
W-817-07	08/18/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-818-01	2/4/05	E601	0 of 18	-	-	-	-	-	-
W-818-01	8/31/05	E601	0 of 18	-	-	-	-	-	-
W-818-03	3/15/05	E601	0 of 18	-	-	-	-	-	-
W-818-04	3/4/05	E601	0 of 18	-	-	-	-	-	-
W-818-04	8/24/05	E601	0 of 18	-	-	-	-	-	-
W-818-06	3/4/05	E601	0 of 19	-	-	-	-	-	-
W-818-06	03/04/05 DUP	E601	0 of 18	-	-	-	-	-	-
W-818-06	8/24/05	E601	0 of 18	-	-	-	-	-	-
W-818-07	3/15/05	E601	0 of 18	-	-	-	-	-	-
W-818-07	8/24/05	E601	0 of 18	-	-	-	-	-	-
W-818-08	1/20/05	E601	0 of 18	-	-	-	-	-	-
W-818-08	8/9/05	E601	0 of 19	-	-	-	-	-	-
W-818-08	10/18/05	E601	0 of 19	-	-	-	-	-	-
W-818-09	1/20/05	E601	0 of 18	-	-	-	-	-	-
W-818-09	8/9/05	E601	0 of 19	-	-	-	-	-	-
W-818-09	10/18/05	E601	0 of 19	-	-	-	-	-	-
W-818-11	2/4/05	E601	0 of 18	-	-	-	-	-	-
W-818-11	8/31/05	E601	0 of 18	-	-	-	-	-	-
W-819-02	3/15/05	E601	0 of 18	-	-	-	-	-	-
W-819-02	9/7/05	E601	0 of 18	-	-	-	-	-	-
W-823-01	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-823-01	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-823-02	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-823-02	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-823-03	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-823-03	7/25/05	E601	0 of 18	-	-	-	-	-	-
W-823-13	1/21/05	E601	0 of 18	-	-	-	-	-	-
W-823-13	9/1/05	E601	0 of 18	-	-	-	-	-	-
W-827-02	3/14/05	E601	1 of 18	-	-	-	0.8	-	-
W-827-03	9/7/05	E601	0 of 18	-	-	-	-	-	-
W-827-05	3/14/05	E601	0 of 19	-	-	-	-	-	-
W-827-05	6/6/05	E601	0 of 19	-	-	-	-	-	-
W-827-05	9/7/05	E601	0 of 19	-	-	-	-	-	-
W-827-05	10/13/05	E601	0 of 19	-	-	-	-	-	-
W-829-06	3/15/05	E601	0 of 19	-	-	-	-	-	-
W-829-06	7/19/05	E601	0 of 19	-	-	-	-	-	-
W-829-06	8/18/05	E601	1 of 19	1.8	-	-	-	-	-
W-829-06	8/22/05	E601	0 of 19	-	-	-	-	-	-
W-829-06	8/23/05	E601	0 of 19	-	-	-	-	-	-
W-829-06	8/24/05	E601	0 of 19	-	-	-	-	-	-
W-829-06	10/20/05	E601	0 of 19	-	-	-	-	-	-
W-829-08	3/15/05	E601	0 of 19	-	-	-	-	-	-
W-829-08	7/19/05	E601	0 of 19	-	-	-	-	-	-
W-829-15	2/17/05	E624	0 of 31	-	-	-	-	-	-
W-829-15	4/7/05	E624	0 of 29	-	-	-	-	-	-
W-829-15	04/07/05 DUP	E624	0 of 29	-	-	-	-	-	-
W-829-1938	2/23/05	E624	0 of 29	-	-	-	-	-	-
W-829-1938	4/21/05	E624	0 of 29	-	-	-	-	-	-
W-829-1938	7/21/05	E624	0 of 30	-	-	-	-	-	-
W-829-1938	10/5/05	E624	0 of 30	-	-	-	-	-	-
W-829-1938	10/05/05 DUP	E624	0 of 30	-	-	-	-	-	-
W-829-1940	3/14/05	E601	0 of 19	-	-	-	-	-	-
W-829-1940	8/11/05	E601	0 of 19	-	-	-	-	-	-
W-829-22	2/10/05	E624	0 of 31	-	-	-	-	-	-
W-829-22	02/10/05 DUP	E624	0 of 31	-	-	-	-	-	-
W-829-22	5/2/05	E624	0 of 29	-	-	-	-	-	-
WELL18	1/12/05	E601	0 of 19	-	-	-	-	-	-
WELL18	01/12/05 DUP	E601	0 of 19	-	-	-	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Bromodichloromethane (µg/L)	Chloromethane (µg/L)	Methylene chloride (µg/L)
WELL18	2/9/05	E601	0 of 19	-	-	-	-	-	-
WELL18	02/09/05 DUP	E601	0 of 19	-	-	-	-	-	-
WELL18	3/9/05	E601	0 of 19	-	-	-	-	-	-
WELL18	03/09/05 DUP	E601	0 of 19	-	-	-	-	-	-
WELL18	03/09/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	4/13/05	E601	0 of 19	-	-	-	-	-	-
WELL18	4/13/05	E601	0 of 19	-	-	-	-	-	-
WELL18	04/13/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	04/13/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	5/12/05	E601	0 of 19	-	-	-	-	-	-
WELL18	5/12/05	E601	0 of 19	-	-	-	-	-	-
WELL18	05/12/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	05/12/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	6/9/05	E601	0 of 19	-	-	-	-	-	-
WELL18	6/9/05	E601	0 of 19	-	-	-	-	-	-
WELL18	06/09/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	06/09/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	7/13/05	E601	0 of 19	-	-	-	-	-	-
WELL18	7/13/05	E601	0 of 19	-	-	-	-	-	-
WELL18	07/13/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	07/13/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	8/10/05	E601	0 of 18	-	-	-	-	-	-
WELL18	8/10/05	E601	0 of 18	-	-	-	-	-	-
WELL18	08/10/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	9/14/05	E601	0 of 19	-	-	-	-	-	-
WELL18	9/14/05	E601	0 of 19	-	-	-	-	-	-
WELL18	09/14/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	10/12/05	E601	0 of 19	-	-	-	-	-	-
WELL18	10/12/05 DUP	E601	0 of 19	-	-	-	-	-	-
WELL18	10/12/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	11/9/05	E601	0 of 19	-	-	-	-	-	-
WELL18	11/09/05 DUP	E601	0 of 19	-	-	-	-	-	-
WELL18	11/09/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL18	12/15/05	E601	0 of 19	-	-	-	-	-	-
WELL18	12/15/05 DUP	E601	0 of 19	-	-	-	-	-	-
WELL18	12/15/05 DUP	E601	0 of 18	-	-	-	-	-	-
WELL20	1/12/05	E502.2	0 of 46	-	-	-	-	-	-
WELL20	1/12/05	E502.2	0 of 17	-	-	-	-	-	-
WELL20	2/9/05	E502.2	0 of 46	-	-	-	-	-	-
WELL20	2/9/05	E601	0 of 17	-	-	-	-	-	-
WELL20	3/9/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	3/9/05	E502.2	0 of 17	-	-	-	-	-	-
WELL20	03/09/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	03/09/05 DUP	E502.2	0 of 17	-	-	-	-	-	-
WELL20	4/13/05	E601	0 of 19	-	-	-	-	-	-
WELL20	04/13/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	04/13/05 DUP	E601	0 of 17	-	-	-	-	-	-
WELL20	5/12/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	5/12/05	E502.2	0 of 17	-	-	-	-	-	-
WELL20	05/12/05 DUP	E502.2	0 of 45	-	-	-	-	-	-
WELL20	05/12/05 DUP	E601	0 of 17	-	-	-	-	-	-
WELL20	6/9/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	6/9/05	E601	0 of 17	-	-	-	-	-	-
WELL20	06/09/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	06/09/05 DUP	E601	0 of 17	-	-	-	-	-	-
WELL20	7/13/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	7/13/05	E502.2	0 of 17	-	-	-	-	-	-
WELL20	07/13/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	07/13/05 DUP	E502.2	0 of 17	-	-	-	-	-	-
WELL20	8/10/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	8/10/05	E502.2	0 of 16	-	-	-	-	-	-
WELL20	08/10/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	08/10/05 DUP	E502.2	0 of 17	-	-	-	-	-	-
WELL20	9/14/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	9/14/05	E601	0 of 17	-	-	-	-	-	-
WELL20	09/14/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	09/14/05 DUP	E601	0 of 17	-	-	-	-	-	-
WELL20	10/12/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	10/12/05	E601	0 of 17	-	-	-	-	-	-
WELL20	10/12/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	10/12/05 DUP	E601	0 of 17	-	-	-	-	-	-
WELL20	11/9/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	11/9/05	E502.2	0 of 17	-	-	-	-	-	-
WELL20	11/09/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	11/09/05 DUP	E502.2	0 of 17	-	-	-	-	-	-
WELL20	12/15/05	E502.2	0 of 48	-	-	-	-	-	-
WELL20	12/15/05	E502.2	0 of 17	-	-	-	-	-	-
WELL20	12/15/05 DUP	E502.2	0 of 46	-	-	-	-	-	-
WELL20	12/15/05 DUP	E601	0 of 17	-	-	-	-	-	-
SPRING14	3/30/05	E601	0 of 18	-	-	-	-	-	-

OU4-VOC [ug/L]   2005 data   (prepared 2006-03-08 12:50:22, Oracle)

B-19. High Explosive Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)	Perchlorate (mg/L)
W-815-2110	9/7/05	-	-	<4	-
W-815-2111	9/14/05	-	-	<4	-
W-817-2109	9/15/05	14	63 H	22	-
GALLO1	1/12/05	-	<0.44	<4	-
GALLO1	2/9/05	-	<0.44	<4	-
GALLO1	3/9/05	-	<0.44	<4	-
GALLO1	03/09/05 DUP	<0.1	<0.1	<4	-
GALLO1	4/20/05	-	<0.44	<4	-
GALLO1	04/20/05 DUP	-	<0.1	<4	-
GALLO1	5/13/05	-	<0.44	<4	-
GALLO1	05/13/05 DUP	-	<0.1	<4	-
GALLO1	6/9/05	-	<0.44	<4	-
GALLO1	06/09/05 DUP	-	0.62	<4	-
GALLO1	7/13/05	-	<0.44	<4	-
GALLO1	07/13/05 DUP	-	<0.1	<4	-
GALLO1	8/10/05	-	<0.5	<4	-
GALLO1	08/10/05 DUP	-	<0.1	<4	-
GALLO1	9/14/05	-	<0.5	24	-
GALLO1	09/14/05 DUP	-	<0.1	<4	-
GALLO1	10/20/05	-	<0.5	6.1	-
GALLO1	10/20/05 DUP	-	<2 LO	<4	-
GALLO1	11/10/05	-	<0.5	<4	-
GALLO1	11/10/05 DUP	-	<2	<4	-
GALLO1	12/15/05	-	<0.5	<4	-
GALLO1	12/15/05 DUP	-	<0.1	<4	-
W-35B-01	1/14/05	<0.1	-	<4	-
W-35B-01	7/25/05	-	0.45	<4	-
W-35B-02	1/14/05	2.8	-	<4	-
W-35B-02	7/25/05	-	12 D	<4	-
W-35B-03	1/14/05	0.23	-	<4	-
W-35B-03	7/25/05	-	1.5	<4	-
W-35B-04	1/14/05	0.12	-	<4	-
W-35B-04	7/25/05	-	1.8	<4	-
W-35B-05	1/14/05	0.25	-	<4	-
W-35B-05	7/25/05	-	1.5	<4	-
W-35C-01	1/21/05	-	<0.1	<4	-
W-35C-02	2/4/05	<0.1	<0.1	<4	-
W-35C-04	1/12/05	-	<0.1	<4	-
W-35C-05	1/28/05	0.34	1.5	<4	-
W-35C-06	1/28/05	-	7.4	<4	-
W-35C-07	3/4/05	<0.1	-	<4	-
W-35C-07	03/04/05 DUP	<0.1	-	<4	-
W-35C-08	3/4/05	<0.1	-	<4	-
W-4A	2/24/05	-	0.29	<4	-
W-4A	02/24/05 DUP	<0.1	0.22	<4	-
W-4AS	2/24/05	-	1	<4	-
W-4AS	02/24/05 DUP	-	1.3	<4	-
W-4B	1/27/05	-	<0.44	<4	-
W-4B	01/27/05 DUP	<0.1	<0.1	<4	-
W-4C	1/27/05	-	<0.1	<4	-
W-4C	8/1/05	-	<0.1	<4	-
W-6BD	1/27/05	-	0.7	<4	-
W-6BS	1/27/05	-	18 D	<4	-
W-6CD	1/28/05	-	<0.1	<4	-
W-6CI	1/28/05	-	<0.1	<4	-
W-6CS	1/28/05	-	720 D	<4	-
W-6EI	1/28/05	-	<0.1	<4	-
W-6ER	1/12/05	-	<0.1	<4	-
W-6ES	1/28/05	-	7.1	<4	-
W-6F	1/28/05	-	1.3	<4	-
W-6G	1/28/05	-	15	<4	-
W-6H	1/21/05	-	<0.1	<4	-
W-6H	7/25/05	-	<0.1	<4	-
W-6I	1/21/05	-	0.83	<4	-
W-6J	1/21/05	-	<0.1	<4	-
W-6J	7/25/05	-	<0.1	<4	-
W-6K	1/26/05	<0.1	<0.1	<4	-

B-19. High Explosive Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)	Perchlorate (mg/L)
W-6L	1/26/05	-	10 D	<4	-
W-806-06A	1/24/05	0.15	0.68	<4	-
W-806-06A	5/20/05	-	1.2	<4	-
W-808-01	1/27/05	-	91 D	<4	-
W-808-03	1/27/05	-	<0.1	<4	-
W-809-01	1/21/05	-	89.7 D	5.4	-
W-809-01	01/21/05 DUP	-	69 D	<4	-
W-809-02	1/21/05	-	87 D	9.2	-
W-809-03	1/26/05	-	90 D	5.7	-
W-809-04	1/24/05	-	1.2	<4	-
W-810-01	1/24/05	-	<0.1	<4	-
W-814-01	2/4/05	15 D	66 D	5.1	-
W-814-02	2/4/05	-	100 D	4.1	-
W-814-04	3/15/05	0.4	1.8	<4	-
W-814-04	8/30/05	-	4	<4	-
W-814-2134	9/19/05	-	-	<4 LO	-
W-815-02	1/12/05	-	94.1 D	24	-
W-815-02	4/6/05	-	100 D	18	-
W-815-02	7/13/05	-	100 D	19	-
W-815-02	10/12/05	-	95 D	20	-
W-815-04	1/21/05	-	74 D	9.2	-
W-815-04	12/8/05	-	100 D	11	-
W-815-05	1/21/05	-	91.4 D	11	-
W-815-05	01/21/05 DUP	-	68 D	6.9	-
W-815-06	2/4/05	-	110 D	6.5	-
W-815-08	1/21/05	<0.1	0.1	<4	-
W-815-08	7/25/05	-	<0.1	<4	-
W-815-1918	8/24/05	25 DL	-	13	-
W-815-1918	12/6/05	-	110 D	10	-
W-817-01	1/28/05	-	81.9	-	0.028
W-817-01	01/28/05 DUP	-	80	24	-
W-817-01	4/5/05	-	88	-	0.027
W-817-01	04/05/05 DUP	-	89	-	0.023
W-817-01	4/7/05	-	89	19	-
W-817-01	7/13/05	-	94 D	19	-
W-817-01	7/27/05	-	88 D	22	-
W-817-01	07/27/05 DUP	-	88	-	0.021
W-817-01	10/5/05	-	88	22	-
W-817-01	10/12/05	-	86	-	0.018
W-817-01	10/12/05 DUP	-	88	-	0.024
W-817-02	2/4/05	-	92.3 D	-	0.03
W-817-02	4/5/05	-	94 D	-	0.014
W-817-02	7/25/05	-	92 D	-	0.026
W-817-02	10/12/05	-	91 D	-	0.026
W-817-03	1/28/05	-	90 D	-	0.03
W-817-03	01/28/05 DUP	-	89.9 D	-	0.029
W-817-03	4/4/05	-	92 D	-	0.048
W-817-03	7/19/05	-	91 D	-	0.027
W-817-03	10/11/05	-	91 D	-	0.027
W-817-03	10/24/05	-	91 D	29	-
W-817-03A	1/21/05	-	100 D	17	-
W-817-04	2/4/05	-	86.7 D	-	0.029
W-817-04	4/4/05	-	88 D	-	<0.004
W-817-04	7/26/05	-	92 D	-	0.024
W-817-04	07/26/05 DUP	-	92 D	-	0.024
W-817-04	10/11/05	-	89 D	-	0.025
W-817-04	10/24/05	-	91 D	22	-
W-817-05	1/26/05	-	0.98	<4	-
W-817-07	1/21/05	-	63 D	14	-
W-818-01	2/4/05	-	97 D	4.4	-
W-818-03	3/15/05	11 D	48 D	<4	-
W-818-04	3/4/05	<0.1	-	<4	-
W-818-06	3/4/05	-	30	<4 E	-
W-818-06	03/04/05 DUP	5.5	-	<4	-
W-818-07	3/15/05	0.85	3.8	<4	-
W-818-08	1/20/05	13 D	58 D	5.9	-
W-818-09	1/20/05	-	60 D	4.2	-

B-19. High Explosive Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)	Perchlorate (mg/L)
W-818-11	2/4/05	-	93 D	5.8	-
W-819-02	3/15/05	<0.1	<0.1	<4	-
W-823-01	1/21/05	-	14 D	<4	-
W-823-02	1/21/05	-	<0.1	<4	-
W-823-03	1/21/05	-	32 D	<4	-
W-823-13	1/21/05	-	35 D	<4	-
W-827-02	3/14/05	3	13	<4	-
W-827-03	9/7/05	-	2	<4	-
W-827-05	3/14/05	-	<0.44	<4	-
W-827-05	9/7/05	-	<1 D	<4	-
W-829-06	7/19/05	-	120 DOS	7.7	-
W-829-06	8/18/05	-	95 D	6.2	-
W-829-06	8/22/05	-	100 D	5.8	-
W-829-06	8/23/05	-	50	4	-
W-829-06	8/24/05	-	110 D	9.3	-
W-829-06	10/20/05	-	98 D	5.4	-
W-829-08	7/19/05	-	66 DOS	15	-
W-829-15	2/17/05	-	-	<4	-
W-829-15	4/7/05	-	<0.5	<4	-
W-829-15	04/07/05 DUP	-	<0.5	<4	-
W-829-1938	2/23/05	-	<0.5 E	<4	-
W-829-1938	4/21/05	-	-	<4	-
W-829-1938	7/21/05	-	-	<4	-
W-829-1938	10/5/05	-	-	<4	-
W-829-1938	10/05/05 DUP	-	-	<4	-
W-829-1940	3/14/05	-	60	<4	-
W-829-22	2/10/05	-	-	<4	-
W-829-22	02/10/05 DUP	-	-	<4	-
W-829-22	5/2/05	-	-	<4	-
WELL18	1/12/05	-	<0.44	<4	-
WELL18	2/9/05	-	<0.44	<4	-
WELL18	3/9/05	-	<0.44	<4	-
WELL18	03/09/05 DUP	-	<0.1	<4	-
WELL18	4/13/05	-	<0.44	<4	-
WELL18	04/13/05 DUP	-	<0.1	<4	-
WELL18	5/12/05	-	<0.44	<4	-
WELL18	05/12/05 DUP	-	<0.1	<4	-
WELL18	6/9/05	-	<0.44	<4	-
WELL18	06/09/05 DUP	-	<0.1	<4	-
WELL18	7/13/05	-	<0.44	<4	-
WELL18	07/13/05 DUP	-	<0.1	<4	-
WELL18	8/10/05	-	<0.5	<4	-
WELL18	08/10/05 DUP	-	<0.1	<4	-
WELL18	9/14/05	-	<0.5	<4	-
WELL18	09/14/05 DUP	-	<0.1	<4	-
WELL18	10/12/05	-	<0.5	<4	-
WELL18	10/12/05 DUP	-	<0.1	<4	-
WELL18	11/9/05	-	<0.5	<4	-
WELL18	11/09/05 DUP	-	<2	<4	-
WELL18	12/15/05	-	<0.5	<4	-
WELL18	12/15/05 DUP	-	<0.1	<4	-
WELL20	1/12/05	-	<0.44	<4	-
WELL20	2/9/05	-	<0.44	<4	-
WELL20	3/9/05	-	<0.44	<4	-
WELL20	03/09/05 DUP	-	<0.1	<4	-
WELL20	4/13/05	-	<0.44	<4	-
WELL20	04/13/05 DUP	-	<0.1	<4	-
WELL20	5/12/05	-	<0.44	<4	-
WELL20	05/12/05 DUP	-	<0.1	<4	-
WELL20	6/9/05	-	<0.44	<4	-
WELL20	06/09/05 DUP	-	<0.1	<4	-
WELL20	7/13/05	-	<0.44	<4	-
WELL20	07/13/05 DUP	-	<0.1	<4	-
WELL20	8/10/05	-	<0.5	<4	-
WELL20	08/10/05 DUP	-	<0.1	<4	-
WELL20	9/14/05	-	<0.5	<4	-
WELL20	09/14/05 DUP	-	<0.1	<4	-

B-19. High Explosive Process Area OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)	Perchlorate (mg/L)
WELL20	10/12/05	-	<0.5	<4	-
WELL20	10/12/05 DUP	-	<0.1	<4	-
WELL20	11/9/05	-	<0.5	<4	-
WELL20	11/09/05 DUP	-	<2	<4	-
WELL20	12/15/05	-	<0.5	<4	-
WELL20	12/15/05 DUP	-	<0.1	<4	-
SPRING14	3/30/05	1	4.6	<4	-

OU4-E300.0 [mg/L; ug/L]   2005 data   (prepared 2006-03-03 08:36:06, Oracle)

B-20. High Explosive Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
W-815-2110	9/7/05	<1	<1
W-815-2111	9/14/05	<1	<1
W-817-2109	9/15/05	<5	<5
GALLO1	1/12/05	<5	<5
GALLO1	2/9/05	<5	<5
GALLO1	3/9/05	<7 D	<7 D
GALLO1	03/09/05 DUP	<1	<1
GALLO1	4/20/05	<4.4	<4.4
GALLO1	04/20/05 DUP	<1	<1
GALLO1	5/13/05	<4.1	<4.1
GALLO1	05/13/05 DUP	<1	<1
GALLO1	6/9/05	<3.8	<3.8
GALLO1	06/09/05 DUP	<1	<1
GALLO1	7/13/05	<4.1	<4.1
GALLO1	07/13/05 DUP	<1	<1
GALLO1	8/10/05	<3.5	<3.5
GALLO1	08/10/05 DUP	<1	<1
GALLO1	9/14/05	<5	<5
GALLO1	09/14/05 DUP	<1	<1
GALLO1	10/20/05	<5	<5
GALLO1	10/20/05 DUP	<1	<1
GALLO1	11/10/05	<5	<5
GALLO1	11/10/05 DUP	<1	<1
GALLO1	12/15/05	<5	<5
GALLO1	12/15/05 DUP	<1	<1
W-35B-01	1/14/05	<1	<1
W-35B-01	7/25/05	<1	<1
W-35B-02	1/14/05	<1	<1
W-35B-02	7/25/05	<1	<1
W-35B-03	1/14/05	<1	<1
W-35B-03	7/25/05	<1	<1
W-35B-04	1/14/05	<1	<1
W-35B-04	7/25/05	<1	<1
W-35B-05	1/14/05	<1	<1
W-35B-05	7/25/05	<1	<1
W-35C-01	1/21/05	<1	<1
W-35C-02	2/4/05	<1 LO	<1 LO
W-35C-04	1/12/05	<1 L	<1
W-35C-05	1/28/05	<1	<1
W-35C-06	1/28/05	<1	<1
W-35C-07	3/4/05	<1	<1
W-35C-07	03/04/05 DUP	<1	<1
W-35C-08	3/4/05	<1	<1
W-4AS	2/24/05	<4	<4
W-4AS	02/24/05 DUP	<1	<1
W-4B	1/27/05	<5	<5
W-4B	01/27/05 DUP	<1	<1
W-4C	1/27/05	<1	<1
W-4C	8/1/05	<1	<1
W-6BD	1/27/05	<1	<1
W-6BS	1/27/05	<1	<1
W-6CD	1/28/05	<1	<1
W-6CI	1/28/05	<1	<1

B-20. High Explosive Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
W-6CS	1/28/05	<1	<1
W-6EI	1/28/05	<0.9	<0.9
W-6ER	1/12/05	<1 L	<1
W-6ES	1/28/05	<1	<1
W-6F	1/28/05	<0.9	<0.9
W-6G	1/28/05	<0.9	<0.9
W-6H	1/21/05	<1	<1
W-6H	7/25/05	<1	<1
W-6I	1/21/05	<1	<1
W-6J	1/21/05	<1	<1
W-6J	7/25/05	<1	<1
W-6K	1/26/05	<0.9	<0.9
W-6L	1/26/05	<1	<1
W-806-06A	1/24/05	<1	<1
W-806-06A	5/20/05	<1	<1
W-808-01	1/27/05	<0.9	<0.9
W-808-03	1/27/05	<1	<1
W-809-01	1/21/05	<5	<5
W-809-01	01/21/05 DUP	<1.1	<1.1
W-809-02	1/21/05	<1	<1
W-809-03	1/26/05	<1	<1
W-809-04	1/24/05	<1	<1
W-810-01	1/24/05	<1	<1
W-814-01	2/4/05	<1 LO	<1 LO
W-814-02	2/4/05	<1 LO	<1 LO
W-814-04	3/15/05	<1	<1
W-814-04	8/30/05	<1	<1
W-815-02	1/12/05	5.3	59
W-815-02	4/6/05	5.7 D	62 D
W-815-02	7/13/05	5.4	55
W-815-02	10/12/05	5.2	57
W-815-04	1/21/05	6.9	91
W-815-04	12/8/05	7.9	83
W-815-05	1/21/05	<5	<5
W-815-05	01/21/05 DUP	<1.1	<1.1
W-815-06	2/4/05	<1 LO	28 LO
W-815-08	1/21/05	<1	<1
W-815-08	7/25/05	<1	<1
W-817-01	1/28/05	12.3 D	39.6 DLO
W-817-01	4/5/05	12.1 D	32.1 D
W-817-01	04/05/05 DUP	16 D	43 D
W-817-01	4/7/05	11 D	36 D
W-817-01	7/13/05	12	32
W-817-01	7/27/05	14.4 D	41.1 D
W-817-01	10/5/05	14	35
W-817-01	10/12/05	14.5 D	37.6 D
W-817-01	10/12/05 DUP	14.5 D	36.1 D
W-817-02	2/4/05	<0.486 DLO	0.655 D
W-817-02	4/5/05	<0.649 D	<0.649 D
W-817-02	7/25/05	<0.649 D	<0.649 D
W-817-02	10/12/05	<0.649 D	0.665 D
W-817-03	1/28/05	<0.486 D	6.52 DLO
W-817-03	01/28/05 DUP	<0.486 D	7.28 DLO

B-20. High Explosive Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
W-817-03	4/4/05	<0.649 D	8.68 D
W-817-03	7/19/05	<0.649 D	14.4 D
W-817-03	9/21/05	<0.649 D	8.2 D
W-817-03	9/28/05	<0.649 D	8.01 D
W-817-03	10/11/05	<0.649 D	8.3 D
W-817-03A	1/21/05	<1.1	<1.1
W-817-04	2/4/05	<0.486 DLO	5.72 D
W-817-04	4/4/05	<0.649 D	4.6 D
W-817-04	7/26/05	<0.649 D	5.23 D
W-817-04	07/26/05 DUP	<0.649 D	4.53 D
W-817-04	10/11/05	<0.649 D	4.98 D
W-817-05	1/26/05	<1	<1
W-817-07	1/21/05	<1.1	<1.1
W-818-03	3/15/05	<1	<1
W-818-04	3/4/05	<1	<1
W-818-06	3/4/05	<40 D	<40 D
W-818-06	03/04/05 DUP	<1	<1
W-818-07	3/15/05	<1	<1
W-818-08	1/20/05	<1	<1
W-818-09	1/20/05	<1	<1
W-819-02	3/15/05	<1	<1
W-823-01	1/21/05	<1	<1
W-823-02	1/21/05	<1	<1
W-823-03	1/21/05	<1	<1
W-823-13	1/21/05	<1	<1
W-827-02	3/14/05	<1	<1
W-827-03	9/7/05	<1	<1
W-827-05	3/14/05	<5 D	<5 D
W-827-05	9/7/05	<5	<5
W-829-15	2/17/05	<5	<5
W-829-15	4/7/05	<5 D	<5 D
W-829-15	04/07/05 DUP	<7 D	<7 D
W-829-1938	2/23/05	<5	<5
W-829-1938	4/21/05	<5	<5
W-829-1938	7/21/05	<5	<5
W-829-1938	10/5/05	<5	<5
W-829-1938	10/05/05 DUP	<5	<5
W-829-1940	3/14/05	<5 D	<5 D
W-829-22	2/10/05	<5	<5
W-829-22	5/2/05	<5 D	<5 D
WELL18	1/12/05	<5	<5
WELL18	2/9/05	<5	<5
WELL18	3/9/05	<7 D	<7 D
WELL18	03/09/05 DUP	<1	<1
WELL18	4/13/05	<5	<5
WELL18	04/13/05 DUP	<1	<1
WELL18	5/12/05	<3.8	<3.8
WELL18	05/12/05 DUP	<1	<1
WELL18	6/9/05	<3	<3
WELL18	06/09/05 DUP	<1	<1
WELL18	7/13/05	<3.5	<3.5
WELL18	07/13/05 DUP	<1	<1
WELL18	8/10/05	<3.1	<3.1

B-20. High Explosive Process Area OU high explosive compounds in ground and surface water.

Location	Date	HMX (µg/L)	RDX (µg/L)
WELL18	08/10/05 DUP	<1	<1
WELL18	9/14/05	<5	<5
WELL18	09/14/05 DUP	<1	<1
WELL18	10/12/05	<5	<5
WELL18	10/12/05 DUP	<1	<1
WELL18	11/9/05	<5	<5
WELL18	11/09/05 DUP	<1	<1
WELL18	12/15/05	<5	<5
WELL18	12/15/05 DUP	<1	<1
WELL20	1/12/05	<5	<5
WELL20	2/9/05	<5	<5
WELL20	3/9/05	<7.3 D	<7.3 D
WELL20	03/09/05 DUP	<1	<1
WELL20	4/13/05	<5	<5
WELL20	04/13/05 DUP	<1	<1
WELL20	5/12/05	<3.1	<3.1
WELL20	05/12/05 DUP	<1	<1
WELL20	6/9/05	<3.8	<3.8
WELL20	06/09/05 DUP	<1	<1
WELL20	7/13/05	<3.5	<3.5
WELL20	07/13/05 DUP	<1	<1
WELL20	8/10/05	<4.1	<4.1
WELL20	08/10/05 DUP	<1	<1
WELL20	9/14/05	<5	<5
WELL20	09/14/05 DUP	<1	<1
WELL20	10/12/05	<5	<5
WELL20	10/12/05 DUP	<1	<1
WELL20	11/9/05	<5 D	<5 D
WELL20	11/09/05 DUP	<1	<1
WELL20	12/15/05	<5	<5
WELL20	12/15/05 DUP	<1	<1
SPRING14	3/30/05	<1	<1

OU4-E8330 [ug/L] 2005 data (prepared 2006-03-03 08:36:52, Oracle)

B-21. High Explosive Process Area OU general minerals in ground water.

Constituents of concern	W-815-2110 9/7/05	W-815-2111 9/14/05	W-817-2109 9/15/05	W-814-2134 9/19/05	W-815-1918 8/24/05	W-815-1918 12/6/05
Total Alkalinity (as CaCO3) (mg/L)	210 H	210 H	220 H	260 H	160 H	220 H
Aluminum (mg/L)	0.08 J	0.07	<0.2	0.06	<0.054	<0.054 L
Bicarbonate Alk (as CaCO3) (mg/L)	210 H	210 H	180 DH	240 H	160 H	220 H
Calcium (mg/L)	8.1	8.1	26	11	21	28 B
Carbonate Alk (as CaCO3) (mg/L)	<10 H	<10 H	46 DH	20 H	<10 H	<10 H
Chloride (mg/L)	220 D	200 D	350	190 DLO	180 D	250 DL
Copper (mg/L)	<0.01	<0.01	-	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.43	0.58	1.3	1.8 H	1.1	1.1 L
Hydroxide Alk (as CaCO3) (mg/L)	<10 H	<10 H	<10 DH	<10 H	<10 H	<10 H
Iron (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium (mg/L)	1.3	1.4	14 B	8 LO	18	23
Manganese (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Nickel (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	-
Nitrite (as N) (mg/L)	<0.1	<0.1	0.83	0.23	<0.1	<0.1
pH (Units)	8.2	8.4	8 H	8.7	8	8
Ortho-Phosphate (mg/L)	<0.1	<0.1	0.98	0.11	<0.1	<0.1
Phosphate as P (mg/L)	-	-	0.38 H	-	-	-
Total Phosphorus (as PO4) (mg/L)	<0.1 H	<0.1 H	-	0.13 H	<0.1 H	<0.1 HL
Potassium (mg/L)	9.2 J	9.3 L	12	19	18	21 L
Sodium (mg/L)	290 DJ	310 DL	340 LO	250 DLO	210 DL	250 DL
Total dissolved solids (TDS) (mg/L)	950	980	1,200 DH	860	870 H	930
Specific Conductance (µmhos/cm)	1,600 H	1,900 DH	2,200 H	1,500 DH	1,300 H	1,600 DH
Sulfate (mg/L)	190 D	260 D	290	82 D	110 D	150
Surfactants (mg/L)	<0.5	<0.5	<0.5	<0.5 LO	<0.5	<0.5
Total Hardness (as CaCO3) (mg/L)	26 H	26 H	120 H	60 H	130 H	160 H
Zinc (mg/L)	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02

OU4-GENMIN [mg/L; Units; umhos/cm] 2005 data (prepared 2006-03-03 08:37:35, Oracle)

B-22. High Explosive Process Area OU radiological constituents in ground water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
W-815-2110	9/7/05	<2	<3	<100
W-815-2111	9/14/05	<2	4.18 ± 1.80	<100
W-817-2109	9/15/05	15.6 ± 4.80	21.8 ± 3.90	<100
GALLO1	1/12/05	<2	3.77 ± 1.20	<100
GALLO1	4/20/05	<2	<3	<100
GALLO1	04/20/05 DUP	<2	3.47 ± 0.785	<200
GALLO1	7/13/05	<2	3.12 ± 1.40	<100
GALLO1	07/13/05 DUP	<2	<3	<200
GALLO1	10/20/05	<2	3.26 ± 1.20	<100
GALLO1	10/20/05 DUP	<2	3.39 ± 0.727	<200
W-814-2134	9/19/05	13.0 ± 4.40	20.3 ± 4.90	<100
W-815-1918	8/24/05	6.56 ± 2.40	14.8 ± 2.70	<100
W-815-1918	12/6/05	10.6 ± 3.40	19.2 ± 3.30	<100
W-829-15	2/17/05	<2	26.6 ± 4.90	<100
W-829-15	4/7/05	<2	27.3 ± 4.40	-
W-829-15	04/07/05 DUP	<2	28.7 ± 4.60	-
W-829-1938	2/23/05	<2	11.8 ± 2.10 J	<100
W-829-1938	4/21/05	<2	11.4 ± 2.10	-
W-829-1938	7/21/05	<2	10.6 ± 1.90	-
W-829-1938	10/5/05	<2	12.0 ± 2.10	-
W-829-1938	10/05/05 DUP	<2	11.5 ± 2.20	-
W-829-1940	10/5/05	8.29 ± 6.10	29.0 ± 6.40	128 ± 62.0
W-829-22	2/10/05	<2	7.26 ± 1.50	<100
W-829-22	02/10/05 DUP	<2	<3	<100
W-829-22	5/2/05	<2	7.04 ± 2.80	-
WELL20	1/12/05	<2	4.86 ± 1.10	<100
WELL20	4/13/05	<2	6.42 ± 3.00	<100
WELL20	04/13/05 DUP	<2	9.56 ± 0.823	<200
WELL20	7/13/05	<2	7.58 ± 1.50	<100
WELL20	07/13/05 DUP	<2	3.97 ± 1.30	<200
WELL20	10/12/05	<2	6.03 ± 1.70	<100
WELL20	10/12/05 DUP	<2	6.31 ± 0.793	<200

OU4-RAD [pCi/L] 2005 data (prepared 2006-03-03 08:39:00, Oracle)

B-23. High Explosive Process Area OU metals and silica in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (as SiO2) (mg/L)	Silver (mg/L)	Sodium (mg/L)
W-815-2110	9/7/05	0.0051 J	<0.02	<0.0005	<0.001	-	<0.005	-	<0.0002	-	<0.002	62	<0.001	-
W-815-2111	9/14/05	0.0039	<0.02	<0.0005	<0.001	-	<0.005	-	<0.0002	-	<0.002	56	<0.001	-
W-817-2109	9/15/05	0.077	<0.025	<0.001	<0.004 D	-	<0.005	-	<0.0002	-	0.077	62	<0.001	-
GALLO1	1/12/05	-	-	-	-	-	-	-	-	3.9	-	-	-	-
GALLO1	4/20/05	-	-	-	-	-	-	-	-	3.8	-	-	-	-
GALLO1	04/20/05 DUP	-	-	-	-	-	-	-	-	8.4	-	-	-	-
GALLO1	7/13/05	-	-	-	-	-	-	-	-	3.8	-	-	-	-
GALLO1	07/13/05 DUP	-	-	-	-	-	-	-	-	8.6	-	-	-	-
GALLO1	10/20/05	-	-	-	-	-	-	-	-	3.6	-	-	-	-
GALLO1	10/20/05 DUP	-	-	-	-	-	-	-	-	8.6 L	-	-	-	-
W-814-2134	9/19/05	0.011	<0.02	<0.0005	0.07	-	<0.005	-	<0.0002	-	0.006	58	<0.001	-
W-815-1918	8/24/05	0.021	0.03	<0.0005 L	0.002	-	<0.005	-	<0.0002	-	0.005	-	<0.001 L	-
W-815-1918	12/6/05	0.023	0.04	<0.0005	0.003	-	<0.005	-	<0.0002 L	-	0.03	-	<0.001	-
W-817-04	9/21/05	-	-	-	-	-	-	0.092	-	-	-	-	-	-
W-829-15	2/17/05	-	-	-	-	<0.05 E	-	<0.01 EL	-	31 BL	-	-	-	160
W-829-15	4/7/05	-	-	-	-	<0.05 E	-	<0.01	-	30	-	-	-	180
W-829-15	04/07/05 DUP	-	-	-	-	<0.1 E	-	<0.1	-	30	-	-	-	180
W-829-1938	2/23/05	-	-	-	-	-	-	0.091	-	12	-	-	-	150
W-829-1938	4/21/05	-	-	-	-	-	-	-	-	12	-	-	-	160
W-829-1938	7/21/05	-	-	-	-	<0.05 E	-	0.056	-	12	-	-	-	150
W-829-1938	10/5/05	-	-	-	-	<0.05 E	-	0.051	-	11	-	-	-	150
W-829-1938	10/05/05 DUP	-	-	-	-	<0.05 E	-	0.048	-	12	-	-	-	150
W-829-22	2/10/05	-	-	-	-	<0.05	-	<0.01 E	-	9.2 BL	-	-	-	240 L
W-829-22	02/10/05 DUP	-	-	-	-	<0.05	-	<0.01 E	-	9.2 BL	-	-	-	240 L
W-829-22	5/2/05	-	-	-	-	<0.05 E	-	<0.01 E	-	9.3	-	-	-	220
WELL20	1/12/05	-	-	-	-	-	-	-	-	8.1	-	-	-	-
WELL20	4/13/05	-	-	-	-	-	-	-	-	8.1	-	-	-	-
WELL20	7/13/05	-	-	-	-	-	-	-	-	7.9	-	-	-	-
WELL20	07/13/05 DUP	-	-	-	-	-	-	-	-	15	-	-	-	-
WELL20	10/12/05	-	-	-	-	-	-	-	-	8.1	-	-	-	-
WELL20	10/12/05 DUP	-	-	-	-	-	-	-	-	14 L	-	-	-	-

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

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K1-01C	2/22/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
K1-01C	4/12/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-01C	7/5/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-01C	10/10/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-02B	2/23/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-02B	4/12/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-02B	04/12/05 DUP	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-02B	7/6/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-02B	10/4/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-02B	10/04/05 DUP	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-03	2/22/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
K1-03	4/13/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-03	7/28/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-03	10/4/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-04	2/24/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-04	4/12/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-04	8/1/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-04	10/5/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-05	3/1/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	13	<0.5
K1-05	4/13/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	13	<0.5
K1-05	7/7/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5
K1-05	07/07/05 DUP	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5
K1-05	10/5/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5
K1-06	3/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-07	2/28/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-07	4/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-07	4/6/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-07	7/6/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-07	10/17/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K1-08	3/2/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	25	<0.5
K1-08	03/02/05 DUP	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	25	<0.5
K1-08	4/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	26	<0.5
K1-08	4/6/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	26	<0.5
K1-08	7/6/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	22	<0.5
K1-08	10/13/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	23	<0.5
K1-09	2/24/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	42	<0.5
K1-09	4/6/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40	<0.5
K1-09	4/6/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40	<0.5
K1-09	8/1/05	E624	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	34	<0.5
K1-09	10/13/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	27	<0.5
NC7-69	4/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
NC7-69	10/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	3/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	03/03/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	5/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	8/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1802	10/6/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	5/17/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	8/30/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-865-1803	11/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K1-01C	2/22/05	E624	0 of 29
K1-01C	4/12/05	E624	0 of 29
K1-01C	7/5/05	E601	0 of 18
K1-01C	10/10/05	E624	0 of 31
K1-02B	2/23/05	E624	0 of 29
K1-02B	4/12/05	E624	0 of 29
K1-02B	04/12/05 DUP	E624	0 of 29
K1-02B	7/6/05	E624	0 of 30
K1-02B	10/4/05	E624	0 of 31
K1-02B	10/04/05 DUP	E624	0 of 31
K1-03	2/22/05	E624	0 of 29
K1-03	4/13/05	E624	0 of 29
K1-03	7/28/05	E624	0 of 30
K1-03	10/4/05	E624	0 of 31
K1-04	2/24/05	E624	0 of 29
K1-04	4/12/05	E624	0 of 29
K1-04	8/1/05	E624	0 of 30
K1-04	10/5/05	E624	0 of 31
K1-05	3/1/05	E624	0 of 29
K1-05	4/13/05	E624	0 of 29
K1-05	7/7/05	E624	0 of 31
K1-05	07/07/05 DUP	E624	0 of 31
K1-05	10/5/05	E624	0 of 31
K1-06	3/4/05	E601	0 of 18
K1-07	2/28/05	E624	0 of 29
K1-07	4/6/05	E624	0 of 30
K1-07	4/6/05	E624	0 of 18
K1-07	7/6/05	E624	0 of 31
K1-07	10/17/05	E624	0 of 31
K1-08	3/2/05	E624	0 of 29
K1-08	03/02/05 DUP	E624	0 of 29
K1-08	4/6/05	E624	0 of 30
K1-08	4/6/05	E624	0 of 18
K1-08	7/6/05	E624	0 of 31
K1-08	10/13/05	E624	0 of 31
K1-09	2/24/05	E624	0 of 29
K1-09	4/6/05	E624	0 of 30
K1-09	4/6/05	E624	0 of 18
K1-09	8/1/05	E624	0 of 30
K1-09	10/13/05	E624	0 of 31
NC7-69	4/14/05	E601	0 of 19
NC7-69	10/25/05	E601	0 of 18
W-865-1802	3/3/05	E601	0 of 19
W-865-1802	03/03/05 DUP	E601	0 of 18
W-865-1802	5/10/05	E601	0 of 18
W-865-1802	8/24/05	E601	0 of 18
W-865-1802	10/6/05	E601	0 of 18
W-865-1803	3/10/05	E601	0 of 18
W-865-1803	5/17/05	E601	0 of 18
W-865-1803	8/30/05	E601	0 of 18
W-865-1803	11/3/05	E601	0 of 18

OU5-VOC [ug/L] 2005 data (prepared 2006-03-08 12:51:48, Oracle)

B-25. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K1-01C	2/22/05	-	37	<4 E
K1-01C	4/12/05	-	37	<4 E
K1-01C	7/5/05	-	36.9	<4 E
K1-01C	10/10/05	-	31.4 D	<4 E
K1-02B	2/23/05	-	38	7.1
K1-02B	4/12/05	-	38	7.6
K1-02B	04/12/05 DUP	-	37	7
K1-02B	7/6/05	-	37.5	6.49
K1-02B	10/4/05	-	33.2 D	7.54
K1-02B	10/04/05 DUP	-	31.6 D	7.39
K1-03	2/22/05	-	32	<4 E
K1-03	4/13/05	-	32	<4 E
K1-03	7/28/05	-	28.3 D	<4 E
K1-03	10/4/05	-	27.5 D	<4 E
K1-04	2/24/05	-	33	<4 E
K1-04	4/12/05	-	27	<4 E
K1-04	8/1/05	-	29.6 D	<4 E
K1-04	10/5/05	-	5.95 D	<4 E
K1-05	3/1/05	-	38	<4
K1-05	4/13/05	-	39	<4
K1-05	7/7/05	-	37.9	<4
K1-05	07/07/05 DUP	-	37.9	<4
K1-05	10/5/05	-	30.8 D	<4
K1-06	4/13/05	-	43	-
K1-07	2/28/05	7.5	-	<4
K1-07	4/6/05	-	34	<4 E
K1-07	7/6/05	-	31.4	<4
K1-07	10/17/05	6.57 D	29.1 D	<4
K1-08	3/2/05	-	38	<4
K1-08	03/02/05 DUP	-	38	<4
K1-08	4/6/05	-	38	<4
K1-08	7/6/05	-	37.9	<4
K1-08	10/13/05	-	31.5 D	<4
K1-09	2/24/05	-	38	<4
K1-09	4/6/05	-	37	<4
K1-09	8/1/05	-	32.8 D	<4
K1-09	10/13/05	-	29.9 D	<4
K2-03	5/23/05	-	6.7	-
K2-04D	4/20/05	8.9	39	5.6
K2-04D	4/20/05	-	40 H	-
K2-04D	8/9/05	-	-	<4 E
K2-04D	10/6/05	-	-	4.15
K2-04S	4/20/05	8.9	39 H	9.9
K2-04S	4/20/05	-	39	-
K2-04S	8/9/05	-	-	8.7
K2-04S	10/6/05	-	-	10.2
NC2-05	5/9/05	7.3	32 H	<4
NC2-05	5/9/05	-	32	-
NC2-05A	5/10/05	7.9 D	35 D	<4
NC2-05A	5/10/05	-	35 D	-
NC2-06	5/25/05	8.4	37 DL	-
NC2-06	5/25/05	-	37	-
NC2-06A	5/25/05	0.16	0.7 L	<4
NC2-06A	5/25/05	-	0.7	-
NC2-09	5/25/05	<0.1	<0.1 L	-
NC2-09	5/25/05	-	<0.1	-

B-25. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
NC2-10	6/2/05	26 D	120 D	-
NC2-10	6/2/05	-	120 D	-
NC2-11D	4/12/05	7.2	32 H	<4 E
NC2-11D	4/12/05	-	32	-
NC2-11D	10/4/05	-	-	<4 E
NC2-11I	5/10/05	7.7 D	35 D	-
NC2-11I	5/10/05	-	34 D	-
NC2-11S	5/10/05	-	37 D	-
NC2-12D	4/12/05	6.1	27 H	4.2
NC2-12D	4/12/05	-	24	-
NC2-12D	10/11/05	-	-	4.49
NC2-12I	5/10/05	5.4 D	23 D	-
NC2-12I	5/10/05	-	24 D	-
NC2-12S	5/10/05	-	41 D	-
NC2-13	6/2/05	-	37 D	-
NC2-14S	6/2/05	5.4 D	24 D	6
NC2-14S	6/2/05	-	24 D	-
NC2-14S	8/30/05	-	-	6.1
NC2-15	9/15/05	7.67 D	-	-
NC2-16	6/2/05	2.8 D	12 D	<4
NC2-16	6/2/05	-	12 D	-
NC2-16	8/30/05	-	-	<4
NC2-17	9/15/05	6.12 D	-	-
NC2-18	9/8/05	8.21 D	-	-
NC2-19	6/8/05	18 D	81 D	-
NC2-19	6/8/05	-	80 D	-
NC2-20	6/6/05	0.6	7.2	-
NC2-20	6/6/05	-	2.7	-
NC2-21	6/6/05	6.1	27	-
NC2-21	6/6/05	-	27	-
NC7-10	4/25/05	7.2 D	33 D	8.5
NC7-10	4/25/05	-	32 D	-
NC7-10	8/1/05	-	-	16.5
NC7-11	4/25/05	13 D	60 D	10
NC7-11	4/25/05	-	59 D	-
NC7-11	8/1/05	-	-	15.5
NC7-14	4/26/05	-	26 D	-
NC7-15	4/26/05	8	36	<4
NC7-15	04/26/05 DUP	7.4 D	33 D	<4
NC7-15	04/26/05 DUP	-	33 D	-
NC7-15	4/26/05	-	36 H	-
NC7-19	4/26/05	6.2 D	28 D	<4
NC7-19	04/26/05 DUP	6.3 D	28 D	<4
NC7-19	04/26/05 DUP	-	28 D	-
NC7-19	4/26/05	-	28 D	-
NC7-27	5/20/05	12 D	53 D	11
NC7-27	5/20/05	-	50 D	-
NC7-28	4/26/05	10 D	46 D	43
NC7-28	8/10/05	-	-	66.3 D
NC7-28	11/9/05	-	-	75.2 D
NC7-29	6/6/05	31 D	140 D	9.7
NC7-29	6/6/05	-	140 D	-
NC7-43	4/26/05	4.3 D	19 D	6.1
NC7-43	4/26/05	-	15 D	-
NC7-44	6/7/05	14 D	65 D	<4
NC7-44	6/7/05	-	62 D	-

B-25. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
NC7-46	5/20/05	<0.1	0.35	<4
NC7-46	5/20/05	-	0.22	-
NC7-46	9/12/05	-	-	<4
NC7-54	4/25/05	8.2 D	37 D	11
NC7-54	4/25/05	-	36 D	-
NC7-54	8/10/05	-	-	14.1
NC7-56	6/1/05	8.4 D	37 D	7.2
NC7-56	6/1/05	-	37 D	-
NC7-56	9/12/05	-	-	10.9
NC7-58	5/19/05	8.6	36 D	6.8
NC7-58	5/19/05	-	38	-
NC7-58	8/25/05	-	-	10.3
NC7-59	6/2/05	8.1 D	38	8.2
NC7-59	06/02/05 DUP	8.6	38 H	11
NC7-59	06/02/05 DUP	-	38 D	-
NC7-59	9/12/05	-	-	9.46
NC7-60	5/23/05	0.11	0.49	<4
NC7-60	5/23/05	-	0.39	-
NC7-61	4/21/05	9.6	42	28
NC7-61	04/21/05 DUP	9.7	42	29
NC7-61	04/21/05 DUP	-	43 H	-
NC7-61	4/21/05	-	42 H	-
NC7-61	10/27/05	-	45.7 D	39 D
NC7-61	10/27/05 DUP	-	42.8 D	39.1 D
NC7-62	6/1/05	8.7 D	38 D	9.1
NC7-62	6/1/05	-	39 D	-
NC7-69	4/14/05	<0.5	<0.44 H	<4
NC7-69	4/14/05	-	<0.44	-
NC7-69	10/25/05	-	-	<4
NC7-70	5/11/05	11 D	49 D	46
NC7-70	5/11/05	-	48 D	-
NC7-70	8/10/05	-	-	51.6 D
NC7-71	5/11/05	<0.1	<0.1	-
NC7-71	5/11/05	-	<0.1	-
NC7-71	8/10/05	-	-	<4
NC7-72	6/1/05	9 D	41 D	7.7
NC7-72	6/1/05	-	390,000 D	-
NC7-72	9/12/05	-	-	8.71
NC7-73	6/1/05	12 D	41 D	7
NC7-73	6/1/05	-	54 D	-
NC7-73	9/12/05	-	-	9.29
NC7-76	8/25/05	-	25.4 D	-
W-850-05	5/11/05	<0.1	0.22	<4
W-850-05	5/11/05	-	0.15	-
W-PIT7-16	4/27/05	<0.5	<0.44	-
W-PIT7-16	4/27/05	-	<0.44 H	-
W-865-1802	3/3/05	-	-	<4
W-865-1802	03/03/05 DUP	-	-	<4
W-865-1802	5/10/05	6.9 D	32 D	<4
W-865-1802	5/10/05	-	30 D	-
W-865-1802	8/24/05	-	-	<4
W-865-1802	10/6/05	-	-	<4 L
W-865-1803	3/10/05	6.7	30	<4
W-865-1803	5/17/05	6.7	30	<4
W-865-1803	5/17/05	-	30	-
W-865-1803	8/30/05	-	-	<4 E

B-25. Building 850 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-865-1803	11/3/05	-	-	<4 E
SPRING24	6/8/05	0.46	2.1	-
SPRING24	6/8/05	-	2.1	-
W8SPRNG	8/25/05	-	40.1 D	-

OU5-E300.0 [mg/L; ug/L]   2005 data   (prepared 2006-03-08 09:31:01, Oracle)

B-26. Building 850 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)
K1-03	6/7/05	-	0.031	-	-	-	-	-	-
K1-03	6/14/05	-	0.031	-	-	-	-	-	-
K2-04D	4/20/05	-	-	-	-	-	-	-	-
K2-04S	4/20/05	-	-	-	-	-	-	-	-
NC2-05	5/9/05	-	-	-	-	-	-	-	-
NC2-05A	5/10/05	-	-	-	-	-	-	-	-
NC2-06	5/25/05	-	-	-	-	-	-	-	-
NC2-06A	5/25/05	-	-	-	-	-	-	-	-
NC2-09	5/25/05	-	-	-	-	-	-	-	-
NC2-10	6/2/05	-	-	-	-	-	-	-	-
NC2-11D	4/12/05	-	-	-	-	-	-	-	-
NC2-11I	5/10/05	-	-	-	-	-	-	-	-
NC2-12D	4/12/05	-	-	-	-	-	-	-	-
NC2-12I	5/10/05	-	-	-	-	-	-	-	-
NC2-14S	6/2/05	-	-	-	-	-	-	-	-
NC2-16	6/2/05	-	-	-	-	-	-	-	-
NC2-19	6/8/05	-	-	-	-	-	-	-	-
NC2-20	6/6/05	-	-	-	-	-	-	-	-
NC2-21	6/6/05	-	-	-	-	-	-	-	-
NC7-10	4/25/05	-	-	-	-	-	-	-	-
NC7-11	4/25/05	-	-	-	-	-	-	-	-
NC7-15	4/26/05	-	-	-	-	-	-	-	-
NC7-15	04/26/05 DUP	-	-	-	-	-	-	-	-
NC7-19	4/26/05	-	-	-	-	-	-	-	-
NC7-19	04/26/05 DUP	-	-	-	-	-	-	-	-
NC7-27	5/20/05	-	-	-	-	-	-	-	-
NC7-28	4/26/05	-	-	-	-	-	-	-	-
NC7-29	6/6/05	-	-	-	-	-	-	-	-
NC7-43	4/26/05	-	-	-	-	-	-	-	-
NC7-44	6/7/05	-	-	-	-	-	-	-	-
NC7-46	5/20/05	-	-	-	-	-	-	-	-
NC7-54	4/25/05	-	-	-	-	-	-	-	-
NC7-56	6/1/05	-	-	-	-	-	-	-	-
NC7-58	5/19/05	-	-	-	-	-	-	-	-
NC7-59	6/2/05	-	-	-	-	-	-	-	-
NC7-59	06/02/05 DUP	-	-	-	-	-	-	-	-
NC7-60	5/23/05	0.012	0.03	0.0009	<0.001	<0.005	<0.0002	<0.002	<0.001
NC7-61	4/21/05	-	-	-	-	-	-	-	-
NC7-61	04/21/05 DUP	-	-	-	-	-	-	-	-
NC7-62	6/1/05	-	-	-	-	-	-	-	-
NC7-69	4/14/05	-	-	-	-	-	-	-	-
NC7-70	5/11/05	-	-	-	-	-	-	-	-
NC7-71	5/11/05	-	-	-	-	-	-	-	-
NC7-72	6/1/05	-	-	-	-	-	-	-	-
NC7-73	6/1/05	-	-	-	-	-	-	-	-
W-850-05	5/11/05	-	-	-	-	-	-	-	-
W-PIT7-16	4/27/05	-	-	-	-	-	-	-	-
W-865-1802	3/3/05	0.017	0.038	<0.001 E	<0.003 E	<0.001	<0.0002	<0.002 E	<0.001
W-865-1802	03/03/05 DUP	0.015	0.04	<0.0005	<0.001	<0.005	<0.0002	0.002	<0.001
W-865-1802	5/10/05	0.015	0.04	<0.0005	<0.001	<0.005	<0.0002	<0.002	<0.001
W-865-1802	8/24/05	0.014	0.03	<0.0005	<0.001	<0.005	<0.0002	<0.002	<0.001
W-865-1802	10/6/05	0.015	0.04 L	<0.0005	<0.001	<0.005	<0.0002	0.002	<0.001
W-865-1803	3/10/05	0.0075	<0.02	<0.0005	<0.001	<0.005	<0.0002	<0.002	<0.001
W-865-1803	5/17/05	0.0077	0.03	<0.0005	<0.001	<0.005	<0.0002	0.002	<0.001
W-865-1803	8/30/05	0.00771	0.0245	<0.0005	<0.001	<0.002	<0.0002	<0.002 E	<0.001
W-865-1803	11/3/05	0.00784	0.0281	<0.0005	<0.001	<0.002	<0.0002	<0.002 E	<0.001
SPRING24	6/8/05	-	-	-	-	-	-	-	-

OU5-METALS [mg/L] 2005 data (prepared 2006-03-06 15:48:04, Oracle)

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

Location	Date	Total Alkalinity (as CaCO3) (mg/L)	Aluminum (mg/L)	Bicarbonate Alk (as CaCO3) (mg/L)	Calcium (mg/L)	Carbonate Alk (as CaCO3) (mg/L)	Chloride (mg/L)	Copper (mg/L)	Fluoride (mg/L)
K2-04D	4/20/05	170 H	<0.05	170 DH	47	<5 DH	37	-	0.44
K2-04S	4/20/05	200 H	<0.2	200 DH	53 L	<2 DH	42	-	0.47
NC2-05	5/9/05	300 H	<0.2	300 D	92	<4 D	74	-	0.17
NC2-05A	5/10/05	190 H	-	190 H	59	<10 HLO	49 D	<0.01	0.35 H
NC2-06	5/25/05	170 H	<0.05	170 H	59	<10 H	49 D	<0.01	0.31
NC2-06A	5/25/05	150 H	<0.05	150 H	79	<10 H	37 D	<0.01	0.59
NC2-09	5/25/05	160 H	<0.05	160 H	46	<10 H	39 D	<0.01	0.62
NC2-10	6/2/05	170 H	<0.05 B	170 H	110 D	<10 H	160 D	<0.01	0.25 H
NC2-11D	4/12/05	180 HF	<0.2	180 B	56	<1	50	<0.05	0.5
NC2-11I	5/10/05	180 H	0.05 J	180 H	48	<10 HLO	45 D	<0.01	0.39 H
NC2-12D	4/12/05	170 HF	<0.2	170 B	60	<1	52	<0.05	0.56
NC2-12I	5/10/05	180 H	0.07 J	180 H	58	<10 HLO	50 D	<0.01	0.44 H
NC2-14S	6/2/05	200 H	0.06 B	200 H	52	<10 H	43 D	<0.01	0.27 H
NC2-16	6/2/05	150 H	0.05 B	150 H	52	<10 H	43 D	<0.01	0.36 H
NC2-19	6/8/05	200 H	<0.05	200 H	26	<10 H	120 D	<0.01	1.8
NC2-20	6/6/05	200 H	0.07	200 H	40	<10 H	83 DL	<0.01	0.53
NC2-21	6/6/05	150 H	<0.05	150 H	26	<10 H	12 L	<0.01	0.27
NC7-10	4/25/05	210 H	0.08 J	210 H	57	<10 HLO	61 D	<0.01	0.44 H
NC7-11	4/25/05	200 H	0.07 J	200 H	60	<10 HLO	41 D	<0.01	0.25 H
NC7-15	4/26/05	150 H	<0.2	150 H	45	<1 H	29	-	0.39
NC7-15	04/26/05 DUP	150 DH	0.08 J	150 DH	43	<20 DHLO	30 D	<0.01	0.4 H
NC7-19	4/26/05	180 H	0.09 J	180 H	51	<10 HLO	22 D	<0.01	0.45 H
NC7-19	04/26/05 DUP	180 H	0.07 J	180 H	49	<10 HLO	23 D	<0.01	0.43 H
NC7-27	5/20/05	180 H	-	180 H	51	<10 HLO	37 D	<0.01	0.54
NC7-28	4/26/05	180 H	0.09 J	180 H	63	<10 HLO	68 D	<0.01	<0.5 D
NC7-29	6/6/05	230 H	0.06	230 H	110 D	<10 H	240 DL	<0.01	0.47
NC7-43	4/26/05	200 H	0.07 J	200 H	67	<10 HLO	61 D	<0.01	<0.5 D
NC7-44	6/7/05	160 H	0.06	160 H	47 L	<10 H	69 D	<0.01	0.41
NC7-46	5/20/05	180 H	-	180 H	51	<10 HLO	41 D	<0.01	0.54
NC7-54	4/25/05	220 H	-	220 H	63	<10 HLO	51 D	<0.01	<1 D
NC7-56	6/1/05	200 H	<0.05	200 H	65	<10 H	54 DL	<0.01	0.43 HL
NC7-58	5/19/05	200 H	-	200 H	54	<10 HLO	46 D	<0.01	0.48
NC7-59	6/2/05	210 H	0.09 B	210 H	65	<10 H	53 D	<0.01	<0.2 D
NC7-59	06/02/05 DUP	220 H	<0.05	210 H	67 B	7.6 H	56	-	0.52
NC7-60	5/23/05	120 H	-	120 H	29	<10 HLO	32 D	<0.01	0.67
NC7-61	4/21/05	200 H	<0.2	200 DH	66	<2 DH	76	-	0.55
NC7-61	04/21/05 DUP	210 H	<0.2	210 DH	71	<2 DH	77	-	0.55
NC7-62	6/1/05	200 H	<0.05	200 H	56	<10 H	54 DL	<0.01	0.38 HL
NC7-69	4/14/05	210 H	<0.2	210 DH	67 L	<2 DH	25	-	0.58
NC7-70	5/11/05	160 H	-	160 H	46	<10 HLO	41 D	<0.01	0.59
NC7-71	5/11/05	160 H	-	160 H	67	<10 HLO	44 D	<0.01	0.49
NC7-72	6/1/05	200 H	0.07	200 H	58	<10 H	59 DL	<0.01	0.39 HL
NC7-73	6/1/05	210 H	0.12	210 H	58	<10 H	66 DL	<0.01	0.45 HL
W-850-05	5/11/05	160 H	0.06 J	160 H	58	<10 HLO	68 D	<0.01	0.58
W-PIT7-16	4/27/05	160 H	<0.2	160 DH	38	<2 DH	29 B	-	0.34
W-865-1802	5/10/05	130 H	-	130 H	36	<10 HLO	41 D	<0.01	0.67 H
W-865-1803	3/10/05	150 H	-	150 H	44	<10 HLO	40 D	<0.01	0.43
W-865-1803	5/17/05	150 H	0.06 J	150 H	46	<10 HLO	41 D	<0.01	0.57
SPRING24	6/8/05	130 H	<0.05	110 H	27	22 H	76 D	<0.01	0.75

Location	Date	Hydroxide Alk (as CaCO3) (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Nitrite (as N) (mg/L)	Nitrite (as NO2) (mg/L)	pH (Units)	Ortho-Phosphate (mg/L)
K2-04D	4/20/05	<5 DH	<0.1 E	20	<0.1 E	<0.01	<0.02	<0.065 H	8.04 H	0.14
K2-04S	4/20/05	<2 DH	<0.1	22	<0.03	<0.1	<0.02	-	8 H	0.38
NC2-05	5/9/05	<4 D	<0.1	43	<0.03	<0.1	<0.5	-	7.99	1.2
NC2-05A	5/10/05	<10 HLO	<0.1	25	<0.03	<0.1	<0.1	-	7.8	<0.1
NC2-06	5/25/05	<10 H	<0.1	25	<0.03	<0.1	<0.1	-	7.6	0.13
NC2-06A	5/25/05	<10 H	<0.1	25	<0.03	<0.1	<0.1	-	7.8	0.13
NC2-09	5/25/05	<10 H	<0.1	18	<0.03	<0.1	<0.1	-	7.6	<0.1
NC2-10	6/2/05	<10 H	<0.1	45	<0.03	<0.1	<0.1	-	7.4 H	<0.1
NC2-11D	4/12/05	<1	<0.1 E	26	<0.03	<0.1 E	<0.02	<0.065	7.82	0.29
NC2-11I	5/10/05	<10 HLO	<0.1	23	<0.03	<0.1	<0.1	-	7.7	0.12
NC2-12D	4/12/05	<1	<0.1	24	<0.03 E	<0.1	<0.02	<0.065	7.94	0.16
NC2-12I	5/10/05	<10 HLO	<0.1	24	<0.03	<0.1	<0.1	-	7.7	<0.1
NC2-14S	6/2/05	<10 H	<0.1	22	<0.03	<0.1	<0.1	-	7.5 H	0.13
NC2-16	6/2/05	<10 H	<0.1	19	0.041	<0.1	<0.1	-	7.6 H	<0.1
NC2-19	6/8/05	<10 H	<0.1	29	<0.03	<0.1	<0.1	-	7.8	0.28
NC2-20	6/6/05	<10 H	0.14	31	0.096	<0.1	<0.1	-	7.1	<0.1
NC2-21	6/6/05	<10 H	<0.1	21	<0.03	<0.1	<0.1	-	7.7	0.24
NC7-10	4/25/05	<10 HLO	<0.1	24	<0.03	<0.1	<0.1	-	7.6	0.26
NC7-11	4/25/05	<10 HLO	<0.1	26	<0.03	<0.1	<0.1	-	7.5	0.15
NC7-15	4/26/05	<1 H	<0.1	17	<0.03	<0.1	<0.5	-	7.35	0.48
NC7-15	04/26/05 DUP	<20 DHLO	<0.1	16	<0.03	<0.1	<0.1	-	7.7 H	0.22
NC7-19	4/26/05	<10 HLO	<0.1	19	<0.03	<0.1	<0.1	-	7.8 H	0.14
NC7-19	04/26/05 DUP	<10 HLO	<0.1	19	<0.03	<0.1	<0.1	-	7.8 H	0.16
NC7-27	5/20/05	<10 HLO	<0.1	21	<0.03	<0.1	<0.1	-	8	0.13
NC7-28	4/26/05	<10 HLO	<0.1	29	<0.03	<0.1	<0.1	-	7.4 H	0.1
NC7-29	6/6/05	<10 H	<0.1	58	<0.03	<0.1	<0.1	-	7.7	<0.1
NC7-43	4/26/05	<10 HLO	<0.1	24	<0.03	<0.1	<0.1	-	7.9 H	<0.1
NC7-44	6/7/05	<10 H	<0.1	20	<0.03	<0.1	<0.1	-	8.3	<0.1
NC7-46	5/20/05	<10 HLO	<0.1	20	<0.03	<0.1	<0.1	-	7.9	0.12
NC7-54	4/25/05	<10 HLO	<0.1	25	<0.03	<0.1	<0.1	-	7.5	0.17
NC7-56	6/1/05	<10 H	<0.1	27	<0.03	<0.1	<0.1	-	7.8	0.11
NC7-58	5/19/05	<10 HLO	<0.1	23	<0.03	<0.1	<0.1	-	7.8	0.1
NC7-59	6/2/05	<10 H	<0.1	26	<0.03	<0.1	<0.1	-	7.8 H	0.11
NC7-59	06/02/05 DUP	<2.5 H	<0.05	27	0.014	<0.01	<0.5	-	8.22 H	0.29
NC7-60	5/23/05	<10 HLO	<0.1	10	<0.03	<0.1	<0.1	-	8.8	0.15
NC7-61	4/21/05	<2 DH	<0.1	31	<0.03	<0.1	<0.5	-	7.93 H	0.22
NC7-61	04/21/05 DUP	<2 DH	<0.1	32	<0.03	<0.1	<0.5	-	7.9 H	0.22
NC7-62	6/1/05	<10 H	<0.1	23	<0.03	<0.1	<0.1	-	7.8	<0.1
NC7-69	4/14/05	<2 DH	<0.1	19	0.059	<0.1	<0.02	-	7.99 H	0.064
NC7-70	5/11/05	<10 HLO	0.42	19	<0.03	<0.1	<0.1	-	7.7	<0.1
NC7-71	5/11/05	<10 HLO	2	26	0.17	<0.1	<0.1	-	7.6	<0.1
NC7-72	6/1/05	<10 H	<0.1	24	<0.03	<0.1	<0.1	-	7.6	0.12
NC7-73	6/1/05	<10 H	<0.1	24	<0.03	<0.1	<0.1	-	7.8	0.18
W-850-05	5/11/05	<10 HLO	<0.1	24	<0.03	<0.1	<0.1	-	7.7	<0.1
W-PIT7-16	4/27/05	<2 DH	<0.1	9.2	<0.03	<0.1	<0.5	-	7.85	0.34
W-865-1802	5/10/05	<10 HLO	<0.1	16	<0.03	<0.1	<0.1	-	7.7	<0.1
W-865-1803	3/10/05	<10 HLO	0.4	20	-	<0.1	<0.1	-	7.6	0.16
W-865-1803	5/17/05	<10 HLO	<0.1	21	0.035	<0.1	<0.1	-	7.7	<0.1
SPRING24	6/8/05	<10 H	<0.1	15	<0.03	<0.1	<0.1	-	9	0.1

Location	Date	Phosphate as P (mg/L)	Total Phosphorus (as PO4) (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Total dissolved solids (TDS) (mg/L)	Specific Conductance (µmhos/cm)	Sulfate (mg/L)	Surfactants (mg/L)	Total Hardness (as CaCO3) (mg/L)	Zinc (mg/L)
K2-04D	4/20/05	0.054 H	-	2.9	46	410 DH	570 H	43	<0.05	200 H	<0.01 E
K2-04S	4/20/05	0.16 H	-	3.1	59 L	490 DH	660 H	68	<0.5	220 H	<0.05
NC2-05	5/9/05	0.46 H	-	4.8	66	740 DH	1,000 H	150	<1 D	410 H	<0.05
NC2-05A	5/10/05	-	0.1 H	11	47	490	700 H	90 DH	<0.5	-	<0.02
NC2-06	5/25/05	-	0.16 H	4.6	41	450 H	660 H	80 DL	<0.5	-	<0.02
NC2-06A	5/25/05	-	0.11 H	10	54	580 H	800 H	230 DL	<0.5	-	<0.02
NC2-09	5/25/05	-	<0.1 H	4.7	44	390 H	570 H	92 DL	<0.5	-	<0.02
NC2-10	6/2/05	-	<0.1 H	7.5 J	58 J	790 H	1,200 H	59 D	<0.5	460 H	<0.02
NC2-11D	4/12/05	0.2 HF	-	4.1	48	470 DH	640	71	<0.5	250 H	<0.05 EL
NC2-11I	5/10/05	-	0.18 H	5.6	44	410	600 H	72 DH	<0.5	-	0.05 J
NC2-12D	4/12/05	0.094 HF	-	3.7	50	470 DH	690	85	<0.5	250 H	<0.05 L
NC2-12I	5/10/05	-	<0.1 H	5.6	48	480	660 H	77 DH	<0.5	-	<0.02
NC2-14S	6/2/05	-	0.15 H	4.1 J	62 J	420 H	660 H	57 D	<0.5	220 H	<0.02
NC2-16	6/2/05	-	<0.1 H	5.4 J	49 J	400 H	610 H	79 D	<0.5	210 H	0.044
NC2-19	6/8/05	-	0.21 H	13	120 DL	590 DH	940 H	39 D	<0.5	180 H	<0.02
NC2-20	6/6/05	-	0.12 H	10 L	90 L	550 H	850 H	99 D	<0.5	230 H	<0.02
NC2-21	6/6/05	-	0.26 H	4.1 L	24 L	250 H	400 H	24	<0.5	150 H	<0.02
NC7-10	4/25/05	-	0.27 H	5	84	560 H	820 H	93 D	<0.5	240 H	<0.02
NC7-11	4/25/05	-	0.36 H	6.2	49	480 H	690 H	57 D	<0.5	260 H	<0.02
NC7-15	4/26/05	0.65 DH	-	1.7	36	380 DH	520	35	<0.5 H	180 H	<0.05
NC7-15	04/26/05 DUP	-	1.1 H	2.5	36	360	510 H	46 D	<0.5	170 H	<0.02
NC7-19	4/26/05	-	0.23 H	2.5	42	380	550 H	52 D	<0.5	210 H	<0.02
NC7-19	04/26/05 DUP	-	0.24 H	2.3	41	390	550 H	56 D	<0.5	200 H	<0.02
NC7-27	5/20/05	-	0.15 H	9.7	47	440 H	610 H	40 D	<0.5	-	<0.02
NC7-28	4/26/05	-	0.11 H	5.3	65	550	820 H	120 D	<0.5	280 H	<0.02
NC7-29	6/6/05	-	<0.1 H	12 L	110 DL	1,000 H	1,600 H	29 D	<0.5	510 H	<0.02
NC7-43	4/26/05	-	0.1 H	5	55	500	750 H	100 D	<0.5	270 H	<0.02
NC7-44	6/7/05	-	<0.1 H	3.7	63 L	470 H	700 H	21 D	<0.5	200 H	<0.02
NC7-46	5/20/05	-	0.11 H	6	53	420 H	640 H	110 D	<0.5	-	<0.02
NC7-54	4/25/05	-	0.21 H	3.5	65	520 H	770 H	74 D	<0.5	260 H	<0.02
NC7-56	6/1/05	-	0.5 H	5.2	64	540 H	800 H	120 D	<0.5	270 H	<0.02
NC7-58	5/19/05	-	0.12 H	4.6	59	510 H	720 H	76 D	<0.5	-	<0.02
NC7-59	6/2/05	-	0.12 H	5.1 J	65 J	490 H	760 H	69 D	<0.5	270 H	<0.02
NC7-59	06/02/05 DUP	0.22 H	-	3.3 B	62 B	590 DH	780 H	83	<1 D	280 H	<0.01
NC7-60	5/23/05	-	0.17 H	14	58	350 H	530 H	100 D	<0.5	-	<0.02
NC7-61	4/21/05	0.12 H	-	4.1	66	620 DH	860 H	99	<1 D	290 H	<0.05
NC7-61	04/21/05 DUP	0.1 H	-	4.2	70	610 DH	850 H	98	<0.5	310 H	<0.05
NC7-62	6/1/05	-	0.12 H	4.6	62	460 H	730 H	82 D	<0.5	230 H	0.02
NC7-69	4/14/05	0.066 H	-	3 L	32 L	460 DH	640 H	130	<0.5	240 H	<0.05
NC7-70	5/11/05	-	0.19 H	5.4 B	45	390	570 H	36 D	<0.5	-	0.14
NC7-71	5/11/05	-	<0.1 H	6.3 B	53	510	750 H	180 D	<0.5	-	<0.02
NC7-72	6/1/05	-	0.2 H	4.7	59	490 H	750 H	100 D	<0.5	240 H	<0.02
NC7-73	6/1/05	-	0.43 H	6.5	66	510 H	770 H	100 D	<0.5	240 H	<0.02
W-850-05	5/11/05	-	<0.1 H	5.6 B	57	430	720 H	120 D	<0.5	-	<0.02
W-PIT7-16	4/27/05	0.19 H	-	4.4	71	360 DH	580	87	<1 D	130 H	<0.05
W-865-1802	5/10/05	-	0.11 H	4.2	44	360	500 H	63 DH	<0.5	-	<0.02
W-865-1803	3/10/05	-	0.24 H	5.1 B	47	430 H	600 H	67 D	<0.5	190 H	<0.02
W-865-1803	5/17/05	-	0.47 DH	5.4 B	47	410 D	580 H	71 D	<0.5	-	<0.02
SPRING24	6/8/05	-	0.32 H	5.1	66 L	390 DH	560 H	39 D	<0.5	130 H	<0.02

OU5-GENMIN [mg/L; Units; umhos/cm]   2005 data   (prepared 2006-03-06 15:47:27, Oracle)

B-28. Building 850 OU uranium isotopes by mass spectrometry in ground and surface water.

Location	Date	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
K1-06	4/13/05	8.20 ± 0.0970	5.60 ± 0.0940	0.120 ± 0.00180	<0.00047	2.50 ± 0.0250	0.00730 ± 0.0000870
K2-03	5/23/05	5.90 ± 0.0780	3.40 ± 0.0760	0.110 ± 0.00130	<0.00084	2.38 ± 0.0180	0.00720 ± 0.0000690
K2-04D	4/20/05	2.90 ± 0.0200	1.70 ± 0.0190	0.0500 ± 0.000450	<0.00025	1.08 ± 0.00640	0.00724 ± 0.0000480
K2-04D	10/6/05	2.70 ± 0.0460	1.60 ± 0.0460	0.0470 ± 0.000220	<0.0002	1.00 ± 0.000600	0.00715 ± 0.0000330
K2-04S	4/20/05	3.20 ± 0.0500	1.70 ± 0.0410	0.0640 ± 0.00170	<0.00027	1.40 ± 0.0290	0.00720 ± 0.000127
NC2-05	5/9/05	12.0 ± 0.160	6.50 ± 0.160	0.210 ± 0.00170	<0.007	5.14 ± 0.0310	0.00641 ± 0.0000330
NC2-05A	5/10/05	4.80 ± 0.0580	2.90 ± 0.0570	0.0810 ± 0.000540	<0.00052	1.79 ± 0.0100	0.00702 ± 0.0000260
NC2-06	5/25/05	1.50 ± 0.0240	0.890 ± 0.0220	0.0270 ± 0.000430	<0.00014	0.592 ± 0.00890	0.00720 ± 0.0000340
NC2-06A	5/25/05	1.00 ± 0.0150	0.510 ± 0.0150	0.0150 ± 0.000120	<0.007	0.485 ± 0.00190	0.00494 ± 0.0000340
NC2-06A	10/19/05	0.850 ± 0.0130	0.440 ± 0.0130	0.0130 ± 0.0000770	<0.007	0.400 ± 0.000780	0.00500 ± 0.0000290
NC2-09	5/25/05	<0.0627	<0.062	0.000920 ± 0.0000300	<0.000013	0.0197 ± 0.000440	0.00725 ± 0.000170
NC2-10	6/2/05	5.00 ± 0.0630	3.30 ± 0.0610	0.0790 ± 0.000890	<0.0004	1.69 ± 0.0170	0.00726 ± 0.0000380
NC2-11D	4/12/05	4.80 ± 0.0940	3.00 ± 0.0910	0.0840 ± 0.00170	<0.00034	1.80 ± 0.0240	0.00730 ± 0.000117
NC2-11D	10/4/05	4.70 ± 0.0830	2.80 ± 0.0830	0.0830 ± 0.000230	<0.00035	1.80 ± 0.00330	0.00711 ± 0.0000160
NC2-11I	5/10/05	4.20 ± 0.0520	2.60 ± 0.0510	0.0710 ± 0.000810	<0.00054	1.53 ± 0.0120	0.00720 ± 0.0000610
NC2-11S	5/10/05	3.90 ± 0.0560	2.50 ± 0.0530	0.0660 ± 0.00110	<0.0005	1.42 ± 0.0180	0.00721 ± 0.0000700
NC2-12D	4/12/05	3.70 ± 0.0260	2.20 ± 0.0250	0.0670 ± 0.000480	<0.00033	1.43 ± 0.00760	0.00729 ± 0.0000350
NC2-12D	10/11/05	2.90 ± 0.0510	1.70 ± 0.0510	0.0500 ± 0.000270	<0.00021	1.10 ± 0.00510	0.00715 ± 0.0000200
NC2-12I	5/10/05	3.70 ± 0.0470	2.30 ± 0.0450	0.0610 ± 0.000710	<0.00031	1.33 ± 0.0120	0.00720 ± 0.0000510
NC2-12S	5/10/05	4.30 ± 0.0750	2.80 ± 0.0740	0.0710 ± 0.000850	<0.00036	1.51 ± 0.0140	0.00727 ± 0.0000530
NC2-13	6/2/05	5.30 ± 0.0830	3.30 ± 0.0780	0.0920 ± 0.00190	<0.00037	1.90 ± 0.0300	0.00736 ± 0.0000980
NC2-14S	6/2/05	2.80 ± 0.0590	1.50 ± 0.0580	0.0560 ± 0.000720	<0.00024	1.20 ± 0.0130	0.00719 ± 0.0000500
NC2-15	9/15/05	2.40 ± 0.0420	1.50 ± 0.0410	0.0390 ± 0.000630	<0.00016	0.830 ± 0.00870	0.00720 ± 0.0000910
NC2-16	6/2/05	0.710 ± 0.00830	0.450 ± 0.00810	0.0120 ± 0.0000920	<0.000048	0.250 ± 0.00160	0.00724 ± 0.0000350
NC2-17	9/15/05	2.10 ± 0.0280	1.30 ± 0.0270	0.0380 ± 0.000420	<0.00016	0.820 ± 0.00650	0.00729 ± 0.0000550
NC2-18	8/30/05	2.90 ± 0.0270	1.60 ± 0.0240	0.0570 ± 0.000630	<0.00024	1.20 ± 0.0120	0.00727 ± 0.0000410
NC2-19	6/8/05	6.80 ± 0.150	3.90 ± 0.140	0.130 ± 0.00300	<0.00053	2.70 ± 0.0500	0.00733 ± 0.000106
NC2-20	6/6/05	2.20 ± 0.0220	1.30 ± 0.0210	0.0420 ± 0.000340	<0.00064	0.920 ± 0.00570	0.00715 ± 0.0000360
NC2-21	6/6/05	3.90 ± 0.0380	2.30 ± 0.0340	0.0740 ± 0.00110	<0.0003	1.60 ± 0.0170	0.00735 ± 0.0000730
NC7-10	4/25/05	3.10 ± 0.0440	1.80 ± 0.0420	0.0540 ± 0.000650	<0.007	1.25 ± 0.0130	0.00671 ± 0.0000450
NC7-11	4/25/05	3.40 ± 0.0470	1.90 ± 0.0460	0.0650 ± 0.000680	<0.00041	1.42 ± 0.0110	0.00708 ± 0.0000490
NC7-15	4/26/05	2.30 ± 0.0170	1.20 ± 0.0170	0.0490 ± 0.000280	<0.00037	1.05 ± 0.00410	0.00720 ± 0.0000300
NC7-19	4/26/05	4.20 ± 0.0350	2.20 ± 0.0320	0.0900 ± 0.000920	<0.00037	1.90 ± 0.0120	0.00730 ± 0.0000590
NC7-19	04/26/05 DUP	4.20 ± 0.0420	2.20 ± 0.0370	0.0890 ± 0.00160	<0.00036	1.90 ± 0.0190	0.00730 ± 0.000103
NC7-27	5/20/05	3.00 ± 0.0430	1.70 ± 0.0420	0.0610 ± 0.000670	<0.0003	1.30 ± 0.0110	0.00729 ± 0.0000520
NC7-28	4/26/05	18.0 ± 0.270	3.50 ± 0.210	0.210 ± 0.00320	0.0800 ± 0.0000710	13.8 ± 0.170	0.00238 ± 0.0000200
NC7-29	6/6/05	17.0 ± 0.300	9.10 ± 0.270	0.340 ± 0.00710	<0.0014	7.40 ± 0.120	0.00726 ± 0.0000870
NC7-43	4/26/05	2.60 ± 0.0170	1.10 ± 0.0100	0.0370 ± 0.000430	<0.007	1.42 ± 0.0130	0.00409 ± 0.0000260
NC7-44	6/7/05	1.70 ± 0.0290	1.10 ± 0.0290	0.0280 ± 0.000380	<0.00011	0.590 ± 0.00510	0.00728 ± 0.0000780
NC7-46	5/20/05	0.0890 ± 0.00180	<0.062	0.00170 ± 0.0000310	<0.0000086	0.0367 ± 0.000360	0.00712 ± 0.000110
NC7-54	4/25/05	3.50 ± 0.0290	1.80 ± 0.0270	0.0620 ± 0.000620	<0.007	1.61 ± 0.0100	0.00597 ± 0.0000470
NC7-54	10/24/05	3.20 ± 0.280	2.00 ± 0.280	<0.063	<0.0046	1.20 ± 0.0160	<0.007921
NC7-56	6/1/05	4.20 ± 0.0440	2.20 ± 0.0380	0.0870 ± 0.00140	<0.00037	1.91 ± 0.0220	0.00710 ± 0.0000760
NC7-58	5/19/05	4.00 ± 0.0420	2.20 ± 0.0370	0.0810 ± 0.00100	<0.00051	1.80 ± 0.0200	0.00710 ± 0.0000360
NC7-59	6/2/05	4.20 ± 0.0860	2.30 ± 0.0850	0.0840 ± 0.00110	<0.00035	1.80 ± 0.0130	0.00716 ± 0.0000730
NC7-60	5/23/05	1.00 ± 0.0140	0.600 ± 0.0130	0.0190 ± 0.000230	<0.00012	0.410 ± 0.00310	0.00720 ± 0.0000690
NC7-61	4/21/05	4.80 ± 0.0840	2.20 ± 0.0800	0.0700 ± 0.000780	0.00890 ± 0.0000190	2.53 ± 0.0260	0.00433 ± 0.0000190
NC7-61	04/21/05 DUP	4.60 ± 0.0500	2.10 ± 0.0430	0.0680 ± 0.000850	0.00920 ± 0.0000190	2.40 ± 0.0260	0.00444 ± 0.0000270
NC7-61	10/27/05	4.80 ± 0.0410	2.10 ± 0.0400	0.0690 ± 0.000450	0.00810 ± 0.0000200	2.50 ± 0.0110	0.00426 ± 0.0000210
NC7-61	10/27/05 DUP	4.80 ± 0.0400	2.20 ± 0.0390	0.0690 ± 0.000470	0.00850 ± 0.0000190	2.50 ± 0.00480	0.00425 ± 0.0000280
NC7-62	6/1/05	3.80 ± 0.0570	2.00 ± 0.0550	0.0790 ± 0.000980	<0.0004	1.71 ± 0.0160	0.00717 ± 0.0000600
NC7-69	4/14/05	<0.0627	<0.16	0.00260 ± 0.0000510	<0.00003	0.0570 ± 0.000810	0.00711 ± 0.0000960
NC7-69	10/25/05	<0.0627	<0.2	0.00200 ± 0.0000500	<0.00052	0.0440 ± 0.000690	0.00715 ± 0.000138
NC7-70	1/29/05	2.20 ± 0.0110	1.40 ± 0.0100	0.0310 ± 0.000140	<0.007	0.760 ± 0.00230	0.00640 ± 0.0000210
NC7-70	5/11/05	2.30 ± 0.0290	1.40 ± 0.0280	0.0330 ± 0.000370	<0.007	0.823 ± 0.00760	0.00619 ± 0.0000390
NC7-70	8/10/05	2.20 ± 0.0420	1.40 ± 0.0400	0.0310 ± 0.000610	<0.0015	0.770 ± 0.0110	0.00632 ± 0.0000790
NC7-70	11/8/05	2.00 ± 0.0330	1.30 ± 0.0330	0.0290 ± 0.000160	<0.007	0.710 ± 0.00280	0.00634 ± 0.0000240
NC7-71	5/11/05	<0.0627	<0.025	<0.000022	<0.00012	0.00620 ± 0.000100	0.00895 ± 0.000157
NC7-72	6/1/05	3.70 ± 0.0570	2.00 ± 0.0540	0.0770 ± 0.00100	<0.00032	1.69 ± 0.0150	0.00703 ± 0.0000700
NC7-73	6/1/05	4.60 ± 0.0410	2.50 ± 0.0370	0.0950 ± 0.000940	<0.00075	2.00 ± 0.0170	0.00718 ± 0.0000410
NC7-76	8/25/05	3.50 ± 0.0750	1.80 ± 0.0740	0.0730 ± 0.000590	<0.00031	1.60 ± 0.00840	0.00700 ± 0.0000430
W-850-05	5/11/05	0.170 ± 0.00210	0.0960 ± 0.00210	0.00250 ± 0.0000120	<0.007	0.0680 ± 0.000300	0.00570 ± 0.0000110
W-PIT7-16	4/26/05	0.310 ± 0.00350	0.210 ± 0.00350	0.00440 ± 0.0000500	<0.000058	0.100 ± 0.000780	0.00690 ± 0.000103
W-865-1802	5/10/05	1.60 ± 0.0210	1.10 ± 0.0200	0.0240 ± 0.000310	<0.00019	0.532 ± 0.00590	0.00716 ± 0.0000440
W-865-1803	5/17/05	6.10 ± 0.0530	3.90 ± 0.0490	0.0980 ± 0.00110	<0.00074	2.11 ± 0.0200	0.00724 ± 0.0000420
SPRING24	6/8/05	1.10 ± 0.0130	0.730 ± 0.0130	0.0170 ± 0.000190	<0.007	0.390 ± 0.00300	0.00702 ± 0.0000540
W8SPRNG	8/25/05	3.80 ± 0.0550	2.00 ± 0.0540	0.0700 ± 0.000760	<0.0034	1.80 ± 0.00930	0.00615 ± 0.0000590

OU5-ICMS [pCi/L; -] 2005 data (prepared 2006-03-13 10:13:03, Oracle)

B-29. Building 850 OU uranium isotopes 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)
K1-01C	2/22/05	1.82 ± 0.240	<0.1	0.907 ± 0.140
K1-01C	4/12/05	2.26 ± 0.280	<0.1	1.01 ± 0.150
K1-01C	7/5/05	2.29 ± 0.290	<0.1	1.01 ± 0.150
K1-01C	10/10/05	2.24 ± 0.280	<0.1	1.12 ± 0.160
K1-02B	2/23/05	1.77 ± 0.230	<0.1	0.980 ± 0.150
K1-02B	4/12/05	2.05 ± 0.250	<0.1	1.12 ± 0.160
K1-02B	04/12/05 DUP	1.87 ± 0.250	<0.1	0.964 ± 0.150
K1-02B	7/6/05	2.06 ± 0.270	<0.1	1.10 ± 0.160
K1-02B	10/4/05	1.93 ± 0.320	<0.1	1.18 ± 0.220
K1-02B	10/04/05 DUP	2.08 ± 0.300	<0.1	1.25 ± 0.210
K1-03	2/22/05	0.881 ± 0.130	<0.1	0.540 ± 0.0970
K1-03	4/13/05	1.05 ± 0.170	<0.1	0.530 ± 0.100
K1-03	7/28/05	1.05 ± 0.260	<0.1	0.564 ± 0.170
K1-03	10/4/05	1.07 ± 0.210	<0.1	0.590 ± 0.150
K1-04	2/24/05	0.950 ± 0.150	<0.1	0.642 ± 0.110
K1-04	4/12/05	1.10 ± 0.160	<0.1	0.537 ± 0.0950
K1-04	8/1/05	1.32 ± 0.320	<0.1	0.546 ± 0.180
K1-04	10/5/05	1.21 ± 0.200	<0.1	0.687 ± 0.140
K1-05	3/1/05	1.50 ± 0.210	<0.1	0.668 ± 0.120
K1-05	4/13/05	1.62 ± 0.210	<0.1	0.800 ± 0.130
K1-05	7/7/05	1.89 ± 0.250	<0.1	0.886 ± 0.140
K1-05	07/07/05 DUP	1.78 ± 0.240	<0.1	0.824 ± 0.140
K1-05	10/5/05	1.65 ± 0.250	<0.1	0.804 ± 0.150
K1-07	2/28/05	1.59 ± 0.210	<0.1	0.728 ± 0.110
K1-07	4/6/05	1.84 ± 0.230	<0.1	0.752 ± 0.110
K1-07	7/6/05	1.70 ± 0.230	<0.1	0.766 ± 0.120
K1-07	10/17/05	1.92 ± 0.240	<0.1	0.900 ± 0.130
K1-08	3/2/05	1.76 ± 0.240	<0.1	0.903 ± 0.140
K1-08	03/02/05 DUP	1.77 ± 0.230	<0.1	0.885 ± 0.130
K1-08	4/6/05	1.94 ± 0.240	<0.1	0.876 ± 0.130
K1-08	7/6/05	1.84 ± 0.250	<0.1	0.976 ± 0.150
K1-08	10/13/05	2.04 ± 0.280	<0.1	0.933 ± 0.150
K1-09	2/24/05	1.63 ± 0.210	<0.1	0.735 ± 0.120
K1-09	4/6/05	1.77 ± 0.220	<0.1	0.855 ± 0.120
K1-09	8/1/05	2.07 ± 0.420	<0.1	0.827 ± 0.240
K1-09	10/13/05	1.73 ± 0.240	<0.1	0.898 ± 0.150
K2-04D	4/20/05	1.71 ± 0.250	<0.1	1.04 ± 0.170
K2-04S	4/20/05	1.64 ± 0.230	<0.1	1.50 ± 0.220
NC2-11D	4/12/05	2.79 ± 0.340	<0.1	1.91 ± 0.240
NC2-12D	4/12/05	2.13 ± 0.270	<0.1	1.46 ± 0.200
NC7-61	4/21/05	2.28 ± 0.300	0.107 ± 0.0420	2.44 ± 0.320
NC7-61	04/21/05 DUP	2.13 ± 0.280	0.106 ± 0.0420	2.48 ± 0.310
NC7-69	4/14/05	<0.1	<0.1	<0.1

OU5-AS [pCi/L] 2005 data (prepared 2006-03-06 15:46:45, Oracle)

B-30. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
K1-01C	2/22/05	<2	3.73 ± 0.980 J	625 ± 92.0
K1-01C	4/12/05	<2	4.31 ± 1.50	610 ± 89.0
K1-01C	7/5/05	2.65 ± 1.20	3.98 ± 1.10	655 ± 110
K1-01C	10/10/05	<2	4.72 ± 1.10	669 ± 97.0
K1-02B	2/23/05	<2	<3 J	3,880 ± 400
K1-02B	4/12/05	2.10 ± 1.20	3.33 ± 1.60	3,790 ± 390
K1-02B	04/12/05 DUP	<2	3.66 ± 1.30	3,820 ± 400
K1-02B	7/6/05	<2	3.19 ± 0.920	3,980 ± 430
K1-02B	10/4/05	2.47 ± 1.00	3.83 ± 0.970	3,980 ± 410
K1-02B	10/04/05 DUP	<2	3.36 ± 0.970	3,900 ± 410
K1-03	2/22/05	<2	3.59 ± 1.40 J	824 ± 110
K1-03	4/13/05	<2	<3	768 ± 100
K1-03	7/28/05	<2	3.33 ± 0.990	918 ± 120
K1-03	10/4/05	<2	4.10 ± 0.990	817 ± 110
K1-04	2/24/05	<2	3.38 ± 0.830	167 ± 61.0
K1-04	4/12/05	<2	<3	127 ± 57.0
K1-04	8/1/05	<2	3.68 ± 1.00	117 ± 57.0
K1-04	10/5/05	<2	3.26 ± 0.950	289 ± 69.0
K1-05	3/1/05	<2	3.96 ± 0.960	<100
K1-05	4/13/05	<2	3.84 ± 2.60	<100
K1-05	7/7/05	<2	3.11 ± 0.910	160 ± 53.0
K1-05	07/07/05 DUP	2.05 ± 1.10	3.50 ± 1.00	191 ± 55.0
K1-05	10/5/05	<2	3.66 ± 1.90	264 ± 68.0
K1-06	3/4/05	-	-	3,510 ± 540
K1-06	4/13/05	-	-	3,560 ± 370
K1-06	11/2/05	-	-	3,500 ± 380
K1-07	2/28/05	2.32 ± 1.20	<3	<100
K1-07	4/6/05	<2	3.51 ± 0.920	<100
K1-07	7/6/05	<2	4.10 ± 0.990	<100
K1-07	10/17/05	<2	3.63 ± 0.930	<100
K1-08	3/2/05	<2	<3	124 ± 56.0
K1-08	03/02/05 DUP	<2	3.06 ± 0.860	<100
K1-08	4/6/05	<2	3.27 ± 0.890	164 ± 60.0
K1-08	7/6/05	2.39 ± 1.10	3.73 ± 0.970	168 ± 55.0
K1-08	10/13/05	<2	3.33 ± 0.960	202 ± 62.0
K1-09	2/24/05	<2	3.71 ± 0.940	113 ± 60.0
K1-09	4/6/05	<2	<3	203 ± 63.0
K1-09	8/1/05	<2	<3	162 ± 59.0
K1-09	10/13/05	<2	4.07 ± 0.990	133 ± 60.0
K2-03	5/23/05	-	-	<100
K2-03	10/19/05	-	-	<100
K2-04D	4/20/05	<2	3.80 ± 0.940	6,160 ± 630
K2-04D	10/6/05	<2	3.25 ± 0.950	4,810 ± 500
K2-04S	4/20/05	<2	3.40 ± 0.920	12,900 ± 1,300
K2-04S	10/6/05	3.09 ± 1.40	3.10 ± 0.920	13,200 ± 1,300
NC2-05	5/9/05	-	-	<100
NC2-05	10/19/05	-	-	<100
NC2-05A	5/10/05	-	-	4,600 ± 510
NC2-05A	10/19/05	-	-	4,610 ± 470
NC2-06	5/25/05	-	-	4,290 ± 440

B-30. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
NC2-06	10/19/05	-	-	4,220 ± 430
NC2-06A	5/25/05	-	-	<100
NC2-06A	10/19/05	-	-	<100
NC2-09	5/25/05	-	-	<100
NC2-09	11/9/05	-	-	<100
NC2-10	6/2/05	-	-	350 ± 65.0
NC2-10	11/9/05	-	-	295 ± 63.0
NC2-11D	4/12/05	3.09 ± 1.40	3.64 ± 1.60	4,000 ± 410
NC2-11D	10/4/05	3.65 ± 1.50	4.67 ± 1.10	4,210 ± 440
NC2-11I	5/10/05	-	-	4,090 ± 460
NC2-11I	11/8/05	-	-	4,200 ± 430
NC2-11S	5/10/05	-	-	4,890 ± 540
NC2-11S	11/8/05	-	-	4,550 ± 470
NC2-12D	4/12/05	<2	3.81 ± 1.50	7,240 ± 740
NC2-12D	10/11/05	2.56 ± 1.10	4.33 ± 1.10	7,320 ± 780
NC2-12I	5/10/05	-	-	7,140 ± 790
NC2-12I	11/8/05	-	-	7,110 ± 720
NC2-12S	5/10/05	-	-	5,960 ± 660
NC2-12S	11/8/05	-	-	3,030 ± 320
NC2-13	6/2/05	-	-	5,390 ± 550
NC2-13	11/9/05	-	-	5,340 ± 550
NC2-14S	6/2/05	-	-	10,900 ± 1,100
NC2-14S	12/5/05	-	-	4,750 ± 530
NC2-15	9/15/05	-	-	6,020 ± 610
NC2-15	11/9/05	-	-	5,950 ± 610
NC2-16	6/2/05	-	-	2,350 ± 250
NC2-16	12/5/05	-	-	1,130 ± 140
NC2-17	9/15/05	-	-	12,500 ± 1,300
NC2-17	11/9/05	-	-	12,300 ± 1,200
NC2-18	8/30/05	-	-	18,900 ± 1,900
NC2-18	11/3/05	-	-	18,600 ± 1,900
NC2-19	6/8/05	-	-	<100
NC2-19	12/5/05	-	-	<100
NC2-20	6/6/05	-	-	<100
NC2-20	11/3/05	-	-	<100
NC2-21	6/6/05	-	-	<100
NC2-21	11/3/05	-	-	<100
NC7-10	4/25/05	-	-	20,900 ± 2,200
NC7-10	10/27/05	-	-	19,000 ± 2,000
NC7-11	4/25/05	-	-	18,300 ± 1,900
NC7-11	10/27/05	-	-	20,500 ± 2,200
NC7-14	4/26/05	-	-	2,460 ± 280
NC7-15	4/26/05	-	-	1,280 ± 160
NC7-15	04/26/05 DUP	-	-	1,480 ± 92.5
NC7-15	11/15/05	-	-	1,100 ± 140
NC7-19	4/26/05	-	-	8,330 ± 920
NC7-19	04/26/05 DUP	-	-	8,380 ± 920
NC7-19	12/5/05	-	-	6,600 ± 720
NC7-19	12/05/05 DUP	-	-	6,860 ± 760
NC7-27	5/20/05	-	-	14,600 ± 1,500

B-30. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
NC7-27	10/27/05	-	-	16,200 ± 1,700
NC7-28	4/26/05	-	-	26,100 ± 2,800
NC7-28	11/9/05	-	-	31,000 ± 3,100
NC7-29	6/6/05	-	-	<100
NC7-29	11/8/05	-	-	<100
NC7-43	4/26/05	-	-	26,000 ± 2,800
NC7-43	11/9/05	-	-	10,900 ± 1,100
NC7-44	6/7/05	-	-	<100
NC7-44	10/31/05	-	-	<100
NC7-46	5/20/05	-	-	<100
NC7-46	11/9/05	-	-	<100
NC7-54	4/25/05	-	-	20,000 ± 2,100
NC7-54	10/24/05	-	-	21,300 ± 2,200
NC7-56	6/1/05	-	-	16,800 ± 1,800
NC7-56	11/30/05	-	-	16,200 ± 1,700
NC7-58	5/19/05	-	-	13,500 ± 1,400
NC7-58	11/15/05	-	-	5,100 ± 590
NC7-59	6/2/05	-	-	16,000 ± 1,600
NC7-59	06/02/05 DUP	-	-	16,400 ± 243
NC7-59	11/30/05	-	-	15,800 ± 1,600
NC7-60	5/23/05	-	-	1,670 ± 200
NC7-60	10/27/05	-	-	1,500 ± 170
NC7-61	4/21/05	3.59 ± 1.80	<3	32,100 ± 3,400
NC7-61	04/21/05 DUP	3.13 ± 1.40	7.75 ± 1.50	32,900 ± 3,400
NC7-61	10/27/05	2.72 ± 0.930	6.74 ± 1.10	31,100 ± 3,300
NC7-61	10/27/05 DUP	2.03 ± 0.730	6.57 ± 1.10	30,600 ± 3,200
NC7-62	6/1/05	-	-	16,200 ± 1,800
NC7-62	11/15/05	-	-	6,070 ± 700
NC7-69	4/14/05	<2	4.83 ± 1.00	<100
NC7-69	10/25/05	<2	4.18 ± 1.30	<100
NC7-70	5/11/05	-	-	91,900 ± 9,900
NC7-70	11/8/05	-	-	79,400 ± 8,000
NC7-70	11/08/05 DUP	-	-	76,600 ± 847
NC7-71	5/11/05	-	-	428 ± 80.0
NC7-71	11/9/05	-	-	408 ± 71.0
NC7-72	6/1/05	-	-	15,300 ± 1,700
NC7-72	11/15/05	-	-	14,100 ± 1,500
NC7-73	6/1/05	-	-	15,500 ± 1,700
NC7-73	11/15/05	-	-	13,600 ± 1,400
NC7-76	8/25/05	-	-	4,870 ± 520
NC7-76	12/8/05	-	-	4,580 ± 490
W-850-05	5/11/05	-	-	21,900 ± 2,400
W-850-05	11/9/05	-	-	22,600 ± 2,300
W-PIT7-16	4/26/05	-	-	<100
W-PIT7-16	11/15/05	-	-	104 ± 59.0
W-865-1802	3/3/05	-	-	105 ± 58.0
W-865-1802	03/03/05 DUP	-	-	<200
W-865-1802	5/10/05	-	-	<100
W-865-1802	8/24/05	-	-	186 ± 59.0
W-865-1802	10/6/05	-	-	154 ± 61.0

B-30. Building 850 OU radiological constituents in ground and surface water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
W-865-1803	5/17/05	76.4 ± 17.0	113 ± 17.0	1,990 ± 210
W-865-1803	11/3/05	2.01 ± 1.10	4.45 ± 1.10	2,480 ± 260
SPRING24	6/8/05	-	-	1,960 ± 210
SPRING24	8/25/05	-	-	2,020 ± 230
SPRING24	10/5/05	-	-	2,070 ± 230
W8SPRNG	8/25/05	-	-	22,500 ± 2,400
W8SPRNG	10/24/05	-	-	21,300 ± 2,200
W8SPRNG	10/24/05 DUP	-	-	20,400 ± 318 L

OU5-RADABH3 [pCi/L] 2005 data (prepared 2006-03-06 15:48:21, Oracle)

B-31. Pit 2 Landfill VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K2-01C	5/3/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
NC2-08	5/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1934	6/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1934	9/29/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1934	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1935	9/29/05	E601	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
W-PIT2-1935	9/29/05	E624	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1935	9/29/05	E601	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-PIT2-1935	11/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K2-01C	5/3/05	E601	0 of 19
NC2-08	5/25/05	E601	0 of 18
W-PIT2-1934	6/14/05	E601	0 of 19
W-PIT2-1934	9/29/05	E624	0 of 31
W-PIT2-1934	11/2/05	E601	0 of 18
W-PIT2-1935	9/29/05	E624	0 of 31
W-PIT2-1935	9/29/05	E601	0 of 18
W-PIT2-1935	11/2/05	E601	0 of 18

OU5A-VOC [ug/L]   2005 data   (prepared 2006-03-08 12:52:07, Oracle)

B-32. Pit 2 Landfill uranium isotopes by mass spectrometry in ground water.

Location	Date	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
K2-01C	5/3/05	9.90 ± 0.150	5.00 ± 0.150	0.180 ± 0.00210	<0.007	4.66 ± 0.0320	0.00613 ± 0.0000580
NC2-08	5/25/05	3.00 ± 0.0380	1.80 ± 0.0370	0.0520 ± 0.000520	<0.00022	1.10 ± 0.00840	0.00721 ± 0.0000470
W-PIT2-1934	3/4/05	12.0 ± 0.0910	6.50 ± 0.0870	0.190 ± 0.00160	0.0100 ± 0.0000690	5.40 ± 0.0240	0.00543 ± 0.0000380
W-PIT2-1934	6/14/05	17.0 ± 0.160	8.40 ± 0.140	0.260 ± 0.00350	0.0160 ± 0.0000940	7.90 ± 0.0700	0.00522 ± 0.0000500
W-PIT2-1934	9/29/05	15.0 ± 0.250	8.00 ± 0.230	0.240 ± 0.00440	0.0130 ± 0.0000920	6.80 ± 0.0880	0.00540 ± 0.0000710
W-PIT2-1934	11/2/05	15.0 ± 0.210	7.80 ± 0.210	0.230 ± 0.00120	0.0130 ± 0.0000890	6.80 ± 0.0330	0.00526 ± 0.0000130
W-PIT2-1935	3/4/05	1.90 ± 0.0230	1.10 ± 0.0220	0.0300 ± 0.000230	<0.00082	0.720 ± 0.00340	0.00653 ± 0.0000380
W-PIT2-1935	9/29/05	5.00 ± 0.0660	3.00 ± 0.0640	0.0790 ± 0.000790	<0.002	1.90 ± 0.0170	0.00650 ± 0.0000260
W-PIT2-1935	11/2/05	5.70 ± 0.100	3.40 ± 0.100	0.0910 ± 0.000630	<0.0021	2.20 ± 0.0100	0.00642 ± 0.0000330

OU5A-ICMS [pCi/L; -] 2005 data (prepared 2006-03-13 10:24:04, Oracle)

B-33. Pit 2 Landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K2-01C	5/3/05	5.3	21	<4
K2-01C	5/3/05	-	24 H	-
NC2-08	5/25/05	9.1	39 DL	-
NC2-08	5/25/05	-	40	-
W-PIT2-1934	6/14/05	7.8	42	<4
W-PIT2-1934	6/14/05	-	35	-
W-PIT2-1934	9/29/05	-	32.6 D	<4 E
W-PIT2-1935	9/29/05	-	25.6 D	<4 E
W-PIT2-1935	11/2/05	-	25.6 D	<4

OU5A-E300.0 [mg/L; ug/L]   2005 data   (prepared 2006-03-08 12:14:17, Oracle)

B-34. Pit 2 Landfill high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
K2-01C	5/3/05	<6.5 D	<6.5 D
NC2-08	5/25/05	<1	<1
W-PIT2-1934	6/14/05	<3.1	<3.1
W-PIT2-1934	9/29/05	<1	<1
W-PIT2-1935	9/29/05	<1	<1
W-PIT2-1935	11/2/05	<1	<1

OU5A-E8330 [ug/L] 2005 data (prepared 2006-03-08 12:14:33, Oracle)

B-35. Pit 2 Landfill radiological constituents in ground water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
K2-01C	1/27/05	6.58 ± 2.20	8.45 ± 1.60	3,360 ± 380
K2-01C	5/3/05	7.67 ± 2.20	6.08 ± 1.30	4,850 ± 520
K2-01C	7/6/05	3.47 ± 1.40	6.81 ± 1.40	6,810 ± 720
K2-01C	10/17/05	3.89 ± 1.80	11.2 ± 2.00	3,710 ± 400
NC2-08	2/18/05	-	-	1,100 ± 140
NC2-08	02/18/05 DUP	-	-	1,140 ± 83.6
NC2-08	5/25/05	-	-	9,190 ± 930
NC2-08	8/29/05	-	-	10,100 ± 1,000
NC2-08	11/9/05	-	-	10,000 ± 1,000
W-PIT2-1934	3/4/05	-	-	1,590 ± 250
W-PIT2-1934	6/14/05	-	-	1,340 ± 160
W-PIT2-1934	9/29/05	9.31 ± 2.50	8.16 ± 1.60	1,240 ± 140
W-PIT2-1934	11/2/05	-	-	1,210 ± 150
W-PIT2-1935	3/4/05	-	-	3,260 ± 500
W-PIT2-1935	9/29/05	5.10 ± 1.70	4.18 ± 1.10	2,370 ± 250
W-PIT2-1935	11/2/05	-	-	1,970 ± 220

OU5A-RADABH3 [pCi/L]   2005 data   (prepared 2006-03-08 12:15:13, Oracle)

B-36. Pit 2 Landfill general minerals in ground water.

Constituents of concern	K2-01C 5/3/05	K2-01C 05/03/05 DUP	NC2-08 5/25/05	NC2-08 05/25/05 DUP	W-PIT2-1934 6/14/05	W-PIT2-1934 6/14/05 DUP	W-PIT2-1934 9/29/05	W-PIT2-1935 9/29/05	W-PIT2-1935 09/29/05 DUP	W-PIT2-1935 11/2/05
Total Alkalinity (as CaCO3) (mg/L)	290 H	-	170 H	-	190 H	-	175	187	-	-
Aluminum (mg/L)	<0.2	-	<0.05	-	<0.05	-	<0.1	<0.1	-	-
Bicarbonate Alk (as CaCO3) (mg/L)	290 D	-	170 H	-	190 H	-	175	187	-	-
Calcium (mg/L)	69	-	50	-	70	-	66.8	77.7	-	-
Carbonate Alk (as CaCO3) (mg/L)	<40 D	-	<10 H	-	<10 H	-	<1	<1	-	-
Chloride (mg/L)	67	-	46 D	-	62	-	56.8 D	60.8 D	-	-
Copper (mg/L)	-	-	<0.01	-	<0.01	-	<0.002 E	<0.002 E	-	-
Fluoride (mg/L)	0.22	0.37	<0.25 DE	0.46	0.21	0.23	0.518	0.553	0.389	<0.1
Hydroxide Alk (as CaCO3) (mg/L)	<40 D	-	<10 H	-	<10 H	-	<1	<1	-	-
Iron (mg/L)	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-
Magnesium (mg/L)	33	-	23	-	33	-	30.3	32.1	-	-
Manganese (mg/L)	<0.03	-	<0.03	-	<0.03	-	<0.002 E	<0.002 E	-	-
Nickel (mg/L)	<0.1	-	<0.1	-	<0.1	-	<0.002 E	<0.002 E	-	-
Nitrite (as N) (mg/L)	<0.5	-	<0.1	-	<0.1	-	<0.5	<0.5	-	-
pH (Units)	7.73	-	7.5	-	7.5	-	7.54	7.5	-	-
Ortho-Phosphate (mg/L)	0.99 D	-	0.2	-	0.2	-	<0.5 E	<0.5 E	-	-
Phosphate as P (mg/L)	0.33 H	-	-	-	-	-	-	-	-	-
Total Phosphorus (as PO4) (mg/L)	-	-	0.21 H	-	0.21	-	0.753	0.681	-	-
Potassium (mg/L)	4.4	-	4	-	5.6 B	-	3.65	3.74	-	-
Sodium (mg/L)	68	-	44	-	46	-	43	41.5	-	-
Total dissolved solids (TDS) (mg/L)	550 DH	-	400 H	-	540	-	570	590	-	-
Specific Conductance (µmhos/cm)	870	-	610 H	-	770 H	-	786	3,130	-	-
Sulfate (mg/L)	100	-	67 DL	-	79	-	82 D	93.8 D	-	-
Surfactants (mg/L)	<1 D	-	<0.5	-	<0.5	-	<0.05	<0.05	-	-
Total Hardness (as CaCO3) (mg/L)	310 H	-	-	-	310 H	-	292	330	-	-
Zinc (mg/L)	<0.05	-	<0.02	-	<0.02	-	<0.01	<0.01	-	-

OU5A-GENMIN [mg/L; Units; umhos/cm] 2005 data (prepared 2006-03-08 12:14:47, Oracle)

B-37. Pit 2 Landfill metals and silica in ground water.

Constituents of concern	K2-01C 5/3/05	NC2-08 5/25/05	W-PIT2-1934 6/14/05	W-PIT2-1934 9/29/05	W-PIT2-1935 9/29/05	W-PIT2-1935 09/29/05 DUP	W-PIT2-1935 11/2/05
Antimony (mg/L)	<0.06	<0.005	<0.002	-	<0.002	-	<0.002
Arsenic (mg/L)	0.0083	-	0.01	0.0102	0.009	0.00869	0.00847
Barium (mg/L)	0.041	0.03	0.03 B	0.0225	0.0378	0.0392	0.0444
Beryllium (mg/L)	<0.001	<0.0002 D	<0.001	-	<0.001	-	<0.001
Cadmium (mg/L)	<0.001	<0.0005	<0.001	<0.0005	<0.0005	<0.001	<0.001
Chromium (mg/L)	<0.003 BLO	<0.001	<0.003	<0.001	0.00151	0.00154	0.00149
Cobalt (mg/L)	<0.001	<0.0005	<0.001	-	<0.002	-	<0.002
Copper (mg/L)	0.017	<1	<0.002	-	<0.002 E	-	<0.002 E
Lead (mg/L)	<0.001	<0.005	<0.001	<0.002	<0.002	<0.002	<0.002
Lithium (mg/L)	0.0158	0.0232	0.0183	-	0.0157	-	0.0163
Mercury (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (mg/L)	0.0036	0.004	0.002 B	-	<0.002 E	-	<0.002 E
Nickel (mg/L)	<0.002	<0.002	0.0021 B	-	<0.002 E	-	<0.002 E
Selenium (mg/L)	<0.002	<0.002	<0.002	<0.002 E	<0.002 E	<0.002 E	<0.002 E
Silica (as SiO_2) (mg/L)	67	70 L	70	67.7	67.8	-	-
Silver (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium (mg/L)	<0.001	<0.001	<0.001	-	<0.001	-	<0.001
Thorium (mg/L)	<0.0005	<0.0005	<0.001 BEO	-	<0.0005	-	<0.001 E
Uranium (mg/L)	0.0144	0.00347	0.0233	-	0.0104	-	0.00727
Vanadium (mg/L)	0.045	0.07	0.058	-	0.05	-	0.0534
Zinc (mg/L)	0.01	<0.01	0.0071 B	-	<0.01 E	-	<0.01 E

OU5A-TRIMET [mg/L] 2005 data (prepared 2006-03-08 12:15:29, Oracle)

B-38. Building 854 OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-854-01	5/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-01	11/30/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	4/5/05	E601	180 BD	<0.5	<0.5 E	<0.5	<0.5	<0.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	7/13/05	E601	160 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-02	10/5/05	E601	170 BDJ	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-03	4/5/05	E601	51	<0.5 E	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-04	5/26/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-04	10/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-05	5/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-05	11/29/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-06	5/20/05	E601	1.2 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-06	10/25/05	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-06	10/25/05 DUP	E601	2.1 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-07	5/20/05	E601	29 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-07	10/25/05	E601	33	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-07	10/25/05 DUP	E601	33	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-08	5/20/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-08	11/30/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-09	5/20/05	E601	6.4 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-09	10/26/05	E601	7.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	5/25/05	E601	3.1 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	05/25/05 DUP	E601	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	11/29/05	E601	5.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-10	11/29/05 DUP	E601	4.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-13	5/20/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-13	12/7/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-14	5/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-15	5/26/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-15	11/29/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-17	5/24/05	E601	8	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-17	11/29/05	E601	8.8	<0.5	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-18A	5/20/05	E601	24 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-18A	11/29/05	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-18A	11/29/05 DUP	E601	19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-45	5/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-45	11/29/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1701	5/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1701	10/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1707	6/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1707	10/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1731	5/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1731	11/29/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1822	5/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1822	10/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1823	5/24/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1823	10/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1902	5/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-854-1902	10/26/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	6/15/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	06/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	8/11/05	E601	0.81	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	10/25/05	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING10	10/25/05 DUP	E601	1.9 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	3/10/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	6/14/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	06/14/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	8/11/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	08/11/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	10/25/05	E601	0.9	<0.5	<0.5 E	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING11	10/25/05 DUP	E601	1.2 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING18	6/23/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)
W-854-01	5/24/05	E601	0 of 18	-
W-854-01	11/30/05	E601	0 of 18	-
W-854-02	4/5/05	E601	0 of 19	-
W-854-02	7/13/05	E601	0 of 19	-
W-854-02	10/5/05	E601	0 of 19	-
W-854-03	4/5/05	E601	0 of 19	-
W-854-04	5/26/05	E601	0 of 18	-
W-854-04	10/26/05	E601	0 of 18	-
W-854-05	5/20/05	E601	0 of 18	-
W-854-05	11/29/05	E601	0 of 18	-
W-854-06	5/20/05	E601	0 of 18	-
W-854-06	10/25/05	E601	0 of 18	-
W-854-06	10/25/05 DUP	E601	0 of 18	-
W-854-07	5/20/05	E601	0 of 18	-
W-854-07	10/25/05	E601	0 of 18	-
W-854-07	10/25/05 DUP	E601	0 of 18	-
W-854-08	5/20/05	E601	0 of 18	-
W-854-08	11/30/05	E601	0 of 18	-
W-854-09	5/20/05	E601	0 of 18	-
W-854-09	10/26/05	E601	0 of 18	-
W-854-10	5/25/05	E601	0 of 19	-
W-854-10	05/25/05 DUP	E601	0 of 18	-
W-854-10	11/29/05	E601	0 of 18	-
W-854-10	11/29/05 DUP	E601	0 of 18	-
W-854-13	5/20/05	E601	0 of 18	-
W-854-13	12/7/05	E601	0 of 18	-
W-854-14	5/25/05	E601	0 of 18	-
W-854-15	5/26/05	E601	0 of 18	-
W-854-15	11/29/05	E601	0 of 18	-
W-854-17	5/24/05	E601	1 of 18	11
W-854-17	11/29/05	E601	1 of 18	12
W-854-18A	5/20/05	E601	0 of 18	-
W-854-18A	11/29/05	E601	0 of 18	-
W-854-18A	11/29/05 DUP	E601	0 of 18	-
W-854-45	5/24/05	E601	0 of 18	-
W-854-45	11/29/05	E601	0 of 18	-
W-854-1701	5/25/05	E601	0 of 18	-
W-854-1701	10/26/05	E601	0 of 18	-
W-854-1707	6/14/05	E601	0 of 18	-
W-854-1707	10/25/05	E601	0 of 18	-
W-854-1731	5/25/05	E601	0 of 18	-
W-854-1731	11/29/05	E601	0 of 18	-
W-854-1822	5/25/05	E601	0 of 18	-
W-854-1822	10/26/05	E601	0 of 18	-
W-854-1823	5/24/05	E601	0 of 18	-
W-854-1823	10/26/05	E601	0 of 18	-
W-854-1902	5/25/05	E601	0 of 18	-
W-854-1902	10/26/05	E601	0 of 18	-
SPRING10	3/10/05	E601	0 of 18	-
SPRING10	6/15/05	E601	0 of 18	-
SPRING10	06/15/05 DUP	E601	0 of 19	-
SPRING10	8/11/05	E601	0 of 18	-
SPRING10	10/25/05	E601	0 of 18	-
SPRING10	10/25/05 DUP	E601	0 of 18	-
SPRING11	3/10/05	E601	0 of 18	-
SPRING11	6/14/05	E601	0 of 19	-
SPRING11	06/14/05 DUP	E601	0 of 18	-
SPRING11	8/11/05	E601	0 of 18	-
SPRING11	08/11/05 DUP	E601	0 of 18	-
SPRING11	10/25/05	E601	0 of 18	-
SPRING11	10/25/05 DUP	E601	0 of 18	-
SPRING18	6/23/05	E601	0 of 18	-

OU6-VOC [ug/L]   2005 data   (prepared 2006-03-08 12:52:31, Oracle)

B-39. Building 854 OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-854-01	5/24/05	<0.1	<4
W-854-02	4/5/05	53	7.1
W-854-02	7/13/05	55	5.6
W-854-02	10/5/05	53	7
W-854-03	4/5/05	48	13
W-854-04	5/26/05	<0.1 L	<4
W-854-05	5/20/05	62 D	<4
W-854-06	5/20/05	<0.1	<4
W-854-07	5/20/05	36 D	4.1
W-854-08	5/20/05	34 D	<4
W-854-09	5/20/05	44 D	<4
W-854-10	5/25/05	7.9	<4
W-854-10	05/25/05 DUP	8.9	<4
W-854-13	5/20/05	0.96	15
W-854-13	12/7/05	-	<4
W-854-15	5/26/05	9.2 L	<4
W-854-17	5/24/05	15 D	4.4
W-854-18A	5/20/05	25 D	<4
W-854-45	5/24/05	21 D	<4
W-854-1701	5/25/05	<0.1	<4
W-854-1707	6/14/05	5.9	<4
W-854-1731	5/25/05	1.1	<4
W-854-1822	5/25/05	11	<4
W-854-1823	5/24/05	22 D	14
W-854-1902	5/25/05	7.7	<4
SPRING10	6/15/05	18 D	<4
SPRING10	06/15/05 DUP	18	<4
SPRING11	6/14/05	2.2 D	23
SPRING11	06/14/05 DUP	1.9	<4
SPRING11	10/25/05	-	<4
SPRING11	10/25/05 DUP	-	<4

OU6-E300.0 [mg/L; ug/L]   2005 data   (prepared 2006-03-08 08:00:27, Oracle)

B-40. Building 854 OU PCBs in ground water.

Location	Date	PCB 1016 (µg/L)	PCB 1221 (µg/L)	PCB 1232 (µg/L)	PCB 1242 (µg/L)	PCB 1248 (µg/L)	PCB 1254 (µg/L)	PCB 1260 (µg/L)
W-854-13	5/20/05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OU6-E8082 [ug/L] 2005 data (prepared 2006-03-03 08:49:18, Oracle)

B-41. Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-832-2112	11/1/05	E624	<0.5 O	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5
W-830-04A	2/17/05	E601	3.7	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	02/17/05 DUP	E601	4.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	7/27/05	E601	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-04A	07/27/05 DUP	E601	3.5	<0.5	<0.5	<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	2/10/05	E601	<0.5	<0.5	<0.5	<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	7/26/05	E601	<0.5	<0.5	<0.5	<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	2/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5 O	<0.5	<0.5	<0.5 O	<0.5 O	<0.5	<0.5 O	<0.5
W-830-09	8/16/05	E601	<0.5	<0.5	<0.5	<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	2/10/05	E601	91 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-830-10	02/10/05 DUP	E601	89 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D	<1 D
W-830-10	7/26/05	E601	79 DL	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-10	07/26/05 DUP	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	<2.5 D
W-830-11	2/17/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-11	7/26/05	E601	<0.5	<0.5	<0.5	<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	2/2/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5 O	<0.5	<0.5	<0.5 O	<0.5 O	<0.5	<0.5 O	<0.5
W-830-12	8/3/05	E601	<0.5	<0.5	<0.5	<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	2/17/05	E601	6.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-13	7/26/05	E601	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-14	2/10/05	E601	1.9	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-14	7/26/05	E601	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-14	07/26/05 DUP	E601	1.7 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-15	2/25/05	E601	<0.5	<0.5	<0.5	<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	8/3/05	E601	<0.5	<0.5	<0.5	<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	2/23/05	E601	<0.5	<0.5	<0.5	<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	5/17/05	E601	<0.5	<0.5	<0.5	<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	05/17/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-16	8/3/05	E601	<0.5	<0.5	<0.5	<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	10/17/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-17	2/23/05	E601	<0.5	<0.5	<0.5	<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	8/3/05	E601	<0.5	<0.5	<0.5	<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	2/17/05	E601	5.4	<0.5	0.74	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-18	7/27/05	E601	4.8	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-19	8/11/05	E601	6,400 BD	8	<0.5	<0.5	<0.5	1.7	<0.5	2.3	1.2	<0.5	1.2	0.67	<0.5	<0.5
W-830-19	10/5/05	E601	6,200 BDL	7.3	<0.5	<0.5	<0.5	1.8	<0.5	2.3	1.2	<0.5	1.2	0.62	<0.5	<0.5
W-830-20	1/20/05	E601	<0.5	<0.5	<0.5	<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	5/17/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-20	7/26/05	E601	<0.5	<0.5	<0.5	<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	10/17/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-21	2/17/05	E601	81 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-21	7/27/05	E601	66 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-21	07/27/05 DUP	E601	65 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-22	2/17/05	E601	5.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-22	8/15/05	E601	9.7 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-22	08/15/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-25	2/25/05	E601	690 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-25	8/16/05	E601	800 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-830-26	3/29/05	E601	4	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-26	8/17/05	E601	3.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-27	2/25/05	E601	810 D	0.93	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5 E	<0.5 E	<0.5	<0.5 E	<0.5	<0.5	<0.5
W-830-27	02/25/05 DUP	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	<25 D
W-830-27	8/16/05	E601	930 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-830-28	2/25/05	E601	61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-28	8/16/05	E601	52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-29	3/29/05	E601	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<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-830-29	8/16/05	E601	<0.5	<0.5	<0.5	<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	2/2/05	E601	600 D	<10 D	<10 D	<10 D	<10 D	<10 DO	<10 DO	<10 D	<10 D	<10 DO	<10 DO	<10 D	<10 DO	<10 D
W-830-30	8/15/05	E601	400 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-830-34	2/2/05	E601	1,300 D	<25 D	<25 D	<25 D	<25 D	<25 DO	<25 DO	<25 D	<25 D	<25 DO	<25 DO	<25 D	<25 DO	<25 D
W-830-34	8/15/05	E601	1,300 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-830-49	2/2/05	E601	9,500 D	<250 D	<250 D	<250 D	<250 D	<250 DO	<250 DO	<250 D	<250 D	<250 DO	<250 DO	<250 D	<250 DO	<250 D
W-830-49	8/3/05	E601	8,800 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D	<100 D
W-830-50	2/15/05	E601	20	<0.5	0.54	<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	7/27/05	E601	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-51	1/19/05	E601	89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-51	4/18/05	E601	81	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-51	7/26/05	E601	76 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-51	8/11/05	E601	100 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-51	10/4/05	E601	97 BD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-52	1/19/05	E601	87	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-52	4/18/05	E601	78	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-52	7/26/05	E601	69 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-52	8/11/05	E601	95 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-52	10/4/05	E601	98 BD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-53	1/19/05	E601	82	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-53	4/18/05	E601	75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-53	8/11/05	E601	82 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-53	10/4/05	E601	94 B	<0.5	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-54	2/23/05	E601	<0.5	<0.5	<0.5	<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	8/16/05	E601	<0.5	-	<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	2/23/05	E601	6.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-55	8/17/05	E601	3	<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
W-830-56	2/10/05	E601	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

B-41. Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-830-56	7/26/05	E601	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-57	1/20/05	E601	30	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.53	<0.5	<0.5
W-830-57	4/13/05	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	<0.5
W-830-57	7/12/05	E601	31	<0.5	<0.5	<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	10/12/05	E601	31	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-58	2/25/05	E601	250 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-830-58	8/16/05	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	<5 D
W-830-59	1/20/05	E601	2,300 D	10	<0.5	<0.5	<0.5	0.84	<0.5	2.7	<0.5	<0.5	0.87	<0.5	<0.5	<0.5
W-830-59	4/6/05	E601	3,700 BD	5.2	<0.5 E	<0.5	<0.5	1.4	<0.5	1.2	0.78	<0.5	0.64	<0.5 E	<0.5	<0.5
W-830-59	7/14/05	E601	3,000 D	4	<0.5	<0.5	<0.5	1.2	<0.5	1.1	0.78	<0.5	0.59	<0.5	<0.5	<0.5
W-830-59	10/5/05	E601	2,900 D	2.4	<0.5	<0.5	<0.5	1.2	<0.5	0.96	<0.5	<0.5	0.58	<0.5	<0.5	<0.5
W-830-60	2/15/05	E601	32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-60	02/15/05 DUP	E601	27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-60	7/27/05	E601	32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-831-01	2/17/05	E601	<0.5	<0.5	<0.5	<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	2/25/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1730	7/26/05	E601	<0.5	<0.5	<0.5	<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	12/7/05	E601	<0.5 O	<0.5	<0.5 O	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 O	<0.5	<0.5
W-830-1807	1/20/05	E601	2,200 D	10	<0.5	<0.5	<0.5	0.73	<0.5	2.6	0.51	<0.5	0.9	<0.5	<0.5	<0.5
W-830-1807	4/6/05	E601	2,100 BD	8.5	<0.5	<0.5	<0.5	0.57	<0.5	2.5	<0.5 E	<0.5	0.74	<0.5	<0.5	<0.5
W-830-1807	7/14/05	E601	1,800 D	5	<0.5	<0.5	<0.5	0.85	<0.5	1.4	<0.5	<0.5	0.63	<0.5	<0.5	<0.5
W-830-1807	10/5/05	E601	1,400 D	11	0.88	<0.5	<0.5	0.67	<0.5	3.8	<0.5	<0.5	0.57	<0.5	<0.5	<0.5
W-830-1829	2/2/05	E601	3,300 D	<50 D	<50 D	<50 D	<50 D	<50 DO	<50 DO	<50 D	<50 D	<50 DO	<50 DO	<50 D	<50 DO	<50 D
W-830-1829	8/3/05	E601	3,000 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
W-830-1830	2/2/05	E601	2,200 D	<25 D	<25 D	<25 D	<25 D	<25 DO	<25 DO	<25 D	<25 D	<25 DO	<25 DO	<25 D	<25 DO	<25 D
W-830-1830	8/3/05	E601	1,900 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-830-1831	3/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1831	8/3/05	E601	<0.5	<0.5	<0.5	<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	10/17/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1832	3/8/05	E601	4.3	5.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.55	<0.5	<0.5	<0.5	<0.5	<0.5
W-830-1832	8/3/05	E601	6.7 D	7 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	2/23/05	E601	210 D	<2.5 D	7.3 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-832-01	8/15/05	E601	180 D	<2.5 D	7.2 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-832-01	9/13/05	E601	160 BD	<0.5	5.9	<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	9/28/05	E601	120 D	<0.5	5.8	<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	2/23/05	E601	<0.5	<0.5	<0.5	<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	8/17/05	E601	<0.5	<0.5	<0.5	<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	3/8/05	E601	93 D	<2.5 D	5.1 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	7/27/05	E601	99 D	<2.5 D	3.3 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	9/13/05	E601	49 B	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-10	9/28/05	E601	86	<0.5	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-11	3/8/05	E601	99 D	<2.5 D	5.1 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-832-11	7/27/05	E601	92 DL	<2.5 D	3.7 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-832-11	9/13/05	E601	86 BD	<0.5	4.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	<0.5	<0.5
W-832-11	9/28/05	E601	120 D	<0.5	4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.89	<0.5	<0.5
W-832-12	4/13/05	E601	53 B	<0.5	1.4	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-12	10/6/05	E601	69 B	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-14	4/13/05	E601	1.5 B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-15	4/13/05	E601	33 B	<0.5	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-15	10/6/05	E601	36 B	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-17	4/13/05	E601	0.8	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-18	4/13/05	E601	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-1927	3/8/05	E601	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-1927	9/22/05	E601	47	<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-832-20	4/13/05	E601	7.2	<0.5 E	72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1
W-832-23	8/17/05	E601	430 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
W-832-24	3/8/05	E601	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-24	7/27/05	E601	19 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-832-25	3/8/05	E601	27	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-25	03/08/05 DUP	E601	20	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-25	7/27/05	E601	41 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
W-832-SC1	3/31/05	E601	3.2 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5
W-832-SC1	8/15/05	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	<2.5 D
W-832-SC2	3/31/05	E601	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5
W-832-SC3	3/29/05	E601	19	<0.5	0.6	0.51	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC3	03/29/05 DUP	E601	20 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5
W-832-SC3	8/15/05	E601	31	<0.5	1.5	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-832-SC4	2/23/05	E601	8.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-870-01	2/17/05	E601	<0.5	<0.5	<0.5	<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	8/16/05	E601	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
SVI-830-031	2/2/05	E601	570 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 DO	<2.5 DO	<2.5 D	<2.5 D	<2.5 DO	<2.5 DO	<2.5 D	<2.5 DO	<2.5 D
SVI-830-031	8/15/05	E601	610 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D	<5 D
SVI-830-032	8/15/05	E601	2,600 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
SVI-830-033	8/15/05	E601	120 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D	<2.5 D
SVI-830-035	2/2/05	E601	2,200 D	<25 D	<25 D	<25 D	<25 D	<25 DO	<25 DO	<25 D	<25 D	<25 DO	<25 DO	<25 D	<25 DO	<25 D
SVI-830-035	8/15/05	E601	2,900 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D	<50 D
SPRING3	3/29/05	E601	26 O	<0.5 O	<0.5 O	<0.5 O	<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
SPRING3	8/15/05	E601	54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	1/20/05	E601	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	4/21/05	E601	<0.5	<0.5	<0.5	<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	8/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-01	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	1/20/05	E601	0.56	0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5	<0.5	<0.5

B-41. Building 832 Canyon OU VOCs in ground and surface water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-880-02	4/21/05	E601	<0.5 E	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	04/21/05 DUP	E601	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	8/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-02	10/4/05	E601	<0.5	0.77	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	1/20/05	E601	<0.5 E	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	4/21/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	8/8/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-880-03	10/4/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPRING4	3/31/05	E601	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-832-2112	11/1/05	E624	0 of 30	-	-	-
W-830-04A	2/17/05	E601	0 of 19	-	-	-
W-830-04A	02/17/05 DUP	E601	0 of 19	-	-	-
W-830-04A	7/27/05	E601	0 of 19	-	-	-
W-830-04A	07/27/05 DUP	E601	0 of 19	-	-	-
W-830-05	2/10/05	E601	0 of 18	-	-	-
W-830-05	7/26/05	E601	0 of 18	-	-	-
W-830-09	2/2/05	E601	0 of 18	-	-	-
W-830-09	8/16/05	E601	0 of 17	-	-	-
W-830-10	2/10/05	E601	0 of 18	-	-	-
W-830-10	02/10/05 DUP	E601	0 of 18	-	-	-
W-830-10	7/26/05	E601	0 of 18	-	-	-
W-830-10	07/26/05 DUP	E601	0 of 18	-	-	-
W-830-11	2/17/05	E601	0 of 19	-	-	-
W-830-11	7/26/05	E601	0 of 19	-	-	-
W-830-12	2/2/05	E601	0 of 18	-	-	-
W-830-12	8/3/05	E601	0 of 18	-	-	-
W-830-13	2/17/05	E601	0 of 18	-	-	-
W-830-13	7/26/05	E601	0 of 18	-	-	-
W-830-14	2/10/05	E601	1 of 18	0.62	-	-
W-830-14	7/26/05	E601	0 of 18	-	-	-
W-830-14	07/26/05 DUP	E601	0 of 18	-	-	-
W-830-15	2/25/05	E601	0 of 18	-	-	-
W-830-15	8/3/05	E601	0 of 18	-	-	-
W-830-16	2/23/05	E601	0 of 18	-	-	-
W-830-16	5/17/05	E601	0 of 18	-	-	-
W-830-16	05/17/05 DUP	E601	0 of 18	-	-	-
W-830-16	8/3/05	E601	0 of 18	-	-	-
W-830-16	10/17/05	E601	0 of 18	-	-	-
W-830-17	2/23/05	E601	0 of 18	-	-	-
W-830-17	8/3/05	E601	0 of 18	-	-	-
W-830-18	2/17/05	E601	1 of 18	0.79	-	-
W-830-18	7/27/05	E601	1 of 18	0.79	-	-
W-830-19	8/11/05	E601	1 of 19	-	-	2
W-830-19	10/5/05	E601	1 of 19	-	-	2.1
W-830-20	1/20/05	E601	0 of 19	-	-	-
W-830-20	5/17/05	E601	0 of 18	-	-	-
W-830-20	7/26/05	E601	0 of 18	-	-	-
W-830-20	10/17/05	E601	0 of 18	-	-	-
W-830-21	2/17/05	E601	1 of 18	2.6 D	-	-
W-830-21	7/27/05	E601	0 of 18	-	-	-
W-830-21	07/27/05 DUP	E601	0 of 18	-	-	-
W-830-22	2/17/05	E601	0 of 18	-	-	-
W-830-22	8/15/05	E601	0 of 16	-	-	-
W-830-22	08/15/05 DUP	E601	0 of 18	-	-	-
W-830-25	2/25/05	E601	0 of 18	-	-	-
W-830-25	8/16/05	E601	0 of 17	-	-	-
W-830-26	3/29/05	E601	0 of 19	-	-	-
W-830-26	8/17/05	E601	0 of 19	-	-	-
W-830-27	2/25/05	E601	0 of 19	-	-	-
W-830-27	02/25/05 DUP	E601	0 of 18	-	-	-
W-830-27	8/16/05	E601	0 of 17	-	-	-
W-830-28	2/25/05	E601	0 of 18	-	-	-
W-830-28	8/16/05	E601	0 of 17	-	-	-
W-830-29	3/29/05	E601	0 of 18	-	-	-
W-830-29	8/16/05	E601	0 of 17	-	-	-
W-830-30	2/2/05	E601	0 of 18	-	-	-
W-830-30	8/15/05	E601	0 of 16	-	-	-
W-830-34	2/2/05	E601	0 of 18	-	-	-
W-830-34	8/15/05	E601	0 of 16	-	-	-
W-830-49	2/2/05	E601	0 of 18	-	-	-
W-830-49	8/3/05	E601	0 of 18	-	-	-
W-830-50	2/15/05	E601	1 of 18	0.54	-	-
W-830-50	7/27/05	E601	0 of 18	-	-	-
W-830-51	1/19/05	E601	0 of 19	-	-	-
W-830-51	4/18/05	E601	0 of 19	-	-	-
W-830-51	7/26/05	E601	0 of 18	-	-	-
W-830-51	8/11/05	E601	0 of 19	-	-	-
W-830-51	10/4/05	E601	0 of 19	-	-	-
W-830-52	1/19/05	E601	0 of 19	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
W-830-52	4/18/05	E601	0 of 19	-	-	-
W-830-52	7/26/05	E601	0 of 18	-	-	-
W-830-52	8/11/05	E601	0 of 19	-	-	-
W-830-52	10/4/05	E601	0 of 19	-	-	-
W-830-53	1/19/05	E601	0 of 19	-	-	-
W-830-53	4/18/05	E601	0 of 19	-	-	-
W-830-53	8/11/05	E601	0 of 19	-	-	-
W-830-53	10/4/05	E601	0 of 19	-	-	-
W-830-54	2/23/05	E601	0 of 18	-	-	-
W-830-54	8/16/05	E601	0 of 13	-	-	-
W-830-55	2/23/05	E601	0 of 18	-	-	-
W-830-55	8/17/05	E601	0 of 13	-	-	-
W-830-56	2/10/05	E601	0 of 18	-	-	-
W-830-56	7/26/05	E601	0 of 18	-	-	-
W-830-57	1/20/05	E601	0 of 19	-	-	-
W-830-57	4/13/05	E601	0 of 19	-	-	-
W-830-57	7/12/05	E601	0 of 19	-	-	-
W-830-57	10/12/05	E601	0 of 19	-	-	-
W-830-58	2/25/05	E601	0 of 18	-	-	-
W-830-58	8/16/05	E601	0 of 17	-	-	-
W-830-59	1/20/05	E601	0 of 19	-	-	-
W-830-59	4/6/05	E601	0 of 19	-	-	-
W-830-59	7/14/05	E601	0 of 19	-	-	-
W-830-59	10/5/05	E601	0 of 19	-	-	-
W-830-60	2/15/05	E601	0 of 18	-	-	-
W-830-60	02/15/05 DUP	E601	0 of 19	-	-	-
W-830-60	7/27/05	E601	0 of 18	-	-	-
W-831-01	2/17/05	E601	0 of 18	-	-	-
W-830-1730	2/25/05	E601	0 of 18	-	-	-
W-830-1730	7/26/05	E601	0 of 18	-	-	-
W-830-1730	12/7/05	E601	0 of 18	-	-	-
W-830-1807	1/20/05	E601	0 of 19	-	-	-
W-830-1807	4/6/05	E601	0 of 19	-	-	-
W-830-1807	7/14/05	E601	0 of 19	-	-	-
W-830-1807	10/5/05	E601	0 of 19	-	-	-
W-830-1829	2/2/05	E601	1 of 18	-	56 D	-
W-830-1829	8/3/05	E601	0 of 18	-	-	-
W-830-1830	2/2/05	E601	1 of 18	-	32 D	-
W-830-1830	8/3/05	E601	0 of 18	-	-	-
W-830-1831	3/8/05	E601	0 of 18	-	-	-
W-830-1831	8/3/05	E601	0 of 18	-	-	-
W-830-1831	10/17/05	E601	0 of 18	-	-	-
W-830-1832	3/8/05	E601	0 of 18	-	-	-
W-830-1832	8/3/05	E601	0 of 18	-	-	-
W-832-01	2/23/05	E601	1 of 18	7.3 D	-	-
W-832-01	8/15/05	E601	1 of 16	7.2 D	-	-
W-832-01	9/13/05	E601	1 of 19	5.9	-	-
W-832-01	9/28/05	E601	1 of 19	5.8	-	-
W-832-09	2/23/05	E601	0 of 18	-	-	-
W-832-09	8/17/05	E601	0 of 17	-	-	-
W-832-10	3/8/05	E601	1 of 18	5.7 D	-	-
W-832-10	7/27/05	E601	1 of 18	3.3 D	-	-
W-832-10	9/13/05	E601	1 of 19	2.1	-	-
W-832-10	9/28/05	E601	1 of 19	3.4	-	-
W-832-11	3/8/05	E601	1 of 18	5.4 D	-	-
W-832-11	7/27/05	E601	1 of 18	3.7 D	-	-
W-832-11	9/13/05	E601	1 of 19	4.1	-	-
W-832-11	9/28/05	E601	1 of 19	4.6	-	-
W-832-12	4/13/05	E601	1 of 19	1.4	-	-
W-832-12	10/6/05	E601	1 of 19	1.7	-	-
W-832-14	4/13/05	E601	0 of 19	-	-	-
W-832-15	4/13/05	E601	0 of 19	-	-	-
W-832-15	10/6/05	E601	0 of 19	-	-	-
W-832-17	4/13/05	E601	0 of 19	-	-	-
W-832-18	4/13/05	E601	0 of 19	-	-	-
W-832-1927	3/8/05	E601	0 of 18	-	-	-
W-832-1927	9/22/05	E601	0 of 17	-	-	-
W-832-20	4/13/05	E601	1 of 19	72	-	-
W-832-23	8/17/05	E601	0 of 17	-	-	-
W-832-24	3/8/05	E601	0 of 18	-	-	-
W-832-24	7/27/05	E601	0 of 18	-	-	-
W-832-25	3/8/05	E601	1 of 18	0.7	-	-
W-832-25	03/08/05 DUP	E601	1 of 18	0.6	-	-
W-832-25	7/27/05	E601	0 of 18	-	-	-
W-832-SC1	3/31/05	E601	0 of 18	-	-	-
W-832-SC1	8/15/05	E601	0 of 16	-	-	-
W-832-SC2	3/31/05	E601	0 of 18	-	-	-
W-832-SC3	3/29/05	E601	1 of 19	1.1	-	-
W-832-SC3	03/29/05 DUP	E601	1 of 18	0.89	-	-
W-832-SC3	8/15/05	E601	1 of 16	3.2	-	-
W-832-SC4	2/23/05	E601	0 of 18	-	-	-
W-870-01	2/17/05	E601	0 of 18	-	-	-
W-870-02	8/16/05	E601	0 of 13	-	-	-

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Methylene chloride (µg/L)	Total Trihalomethanes (µg/L)
SVI-830-031	2/2/05	E601	0 of 18	-	-	-
SVI-830-031	8/15/05	E601	0 of 16	-	-	-
SVI-830-032	8/15/05	E601	0 of 16	-	-	-
SVI-830-033	8/15/05	E601	0 of 16	-	-	-
SVI-830-035	2/2/05	E601	0 of 18	-	-	-
SVI-830-035	8/15/05	E601	0 of 16	-	-	-
SPRING3	3/29/05	E601	1 of 18	0.53	-	-
SPRING3	8/15/05	E601	1 of 16	0.65	-	-
W-880-01	1/20/05	E601	0 of 19	-	-	-
W-880-01	4/21/05	E601	0 of 19	-	-	-
W-880-01	8/8/05	E601	0 of 19	-	-	-
W-880-01	10/4/05	E601	0 of 19	-	-	-
W-880-02	1/20/05	E601	0 of 19	-	-	-
W-880-02	4/21/05	E601	0 of 19	-	-	-
W-880-02	04/21/05 DUP	E601	0 of 18	-	-	-
W-880-02	8/8/05	E601	0 of 19	-	-	-
W-880-02	10/4/05	E601	0 of 19	-	-	-
W-880-03	1/20/05	E601	0 of 19	-	-	-
W-880-03	4/21/05	E601	0 of 19	-	-	-
W-880-03	8/8/05	E601	0 of 19	-	-	-
W-880-03	10/4/05	E601	0 of 19	-	-	-
SPRING4	3/31/05	E601	0 of 18	-	-	-

OU7-VOC [ug/L] 2005 data (prepared 2006-03-08 12:54:25, Oracle)

B-42. Building 832 Canyon OU nitrate and perchlorate in ground and surface water.

Location	Date	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
W-832-2112	11/1/05	<0.5	<4
W-830-04A	2/17/05	74.9	<4 E
W-830-04A	02/17/05 DUP	76.2	<4 E
W-830-05	2/10/05	76 D	4.1
W-830-09	2/2/05	<5 D	<4
W-830-10	2/10/05	67 D	5.1
W-830-10	02/10/05 DUP	67 D	<4 E
W-830-11	2/17/05	5.52	<4 E
W-830-12	2/2/05	<5 D	<4
W-830-13	2/17/05	64 D	<4 E
W-830-14	2/10/05	<5 D	<4
W-830-15	2/25/05	<5 D	<4
W-830-16	2/23/05	<5 D	<4
W-830-16	8/3/05	<5 D	<4 L
W-830-17	2/23/05	86 D	5
W-830-18	2/17/05	<5 D	<4
W-830-19	8/11/05	160 D	4.9
W-830-19	10/5/05	160 D	4.5
W-830-20	1/20/05	<0.88 D	<4
W-830-20	7/26/05	<1 D	<4
W-830-21	2/17/05	<5 D	<4
W-830-22	2/17/05	6.1 D	<4
W-830-25	2/25/05	82 D	11
W-830-26	3/29/05	<0.44 E	<4
W-830-27	2/25/05	74 D	8
W-830-27	02/25/05 DUP	68 D	5.3
W-830-28	2/25/05	9.1 D	<4
W-830-29	3/29/05	<5 D	<4
W-830-30	2/2/05	75 D	<4
W-830-34	2/2/05	110 D	<4
W-830-49	2/2/05	150 D	<4
W-830-50	2/15/05	13 D	<4
W-830-51	1/19/05	61.3	6
W-830-51	4/18/05	65	8.2
W-830-51	8/11/05	61	4.6
W-830-51	10/4/05	60	4.1
W-830-52	1/19/05	64.5	6.7
W-830-52	4/18/05	71	<4
W-830-52	8/11/05	63	7.3
W-830-52	10/4/05	64	4.5
W-830-53	1/19/05	53.7	6
W-830-53	4/18/05	59	<4
W-830-53	8/11/05	55	<4
W-830-53	10/4/05	45 D	<4
W-830-54	2/23/05	6 D	<4
W-830-55	2/23/05	0.67	<4

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

Constituents of concern	W-832-2112
	11/1/05
Total Alkalinity (as CaCO3) (mg/L)	260
Aluminum (mg/L)	<0.2
Bicarbonate Alk (as CaCO3) (mg/L)	260
Calcium (mg/L)	6.7
Carbonate Alk (as CaCO3) (mg/L)	<5
Chloride (mg/L)	150 DL
Copper (mg/L)	<0.05
Fluoride (mg/L)	0.43
Hydroxide Alk (as CaCO3) (mg/L)	<5
Iron (mg/L)	<0.1 L
Magnesium (mg/L)	0.89
Manganese (mg/L)	<0.03
Nickel (mg/L)	<0.1
Nitrite (as N) (mg/L)	<0.5
pH (Units)	8.4
Ortho-Phosphate (mg/L)	0.1
Total Phosphorus (as PO4) (mg/L)	0.17
Potassium (mg/L)	8.5
Sodium (mg/L)	290 L
Total dissolved solids (TDS) (mg/L)	940
Specific Conductance (µmhos/cm)	1,500
Sulfate (mg/L)	290 DL
Surfactants (mg/L)	<0.5
Total Hardness (as CaCO3) (mg/L)	21
Zinc (mg/L)	<0.05

OU7-GENMIN [mg/L; Units; umhos/cm] 2005 data (prepared 2006-03-03 08:50:53, Oracle)

B-44. Building 832 Canyon OU metals in ground water.

Location	Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
W-832-2112	11/1/05	<0.002	<0.025	<0.0005	<0.002	<0.005	<0.0002	<0.002	<0.001

OU7-DWMETALS [mg/L] 2005 data (prepared 2006-03-03 08:50:07, Oracle)

B-45. Building 832 Canyon OU radiological constituents in ground water.

Location	Date	Gross alpha (pCi/L)	Gross beta (pCi/L)	Tritium (pCi/L)
W-832-2112	11/1/05	<2	7.24 ± 1.80	<100

OU7-E906 [pCi/L] 2005 data (prepared 2006-03-03 08:50:39, Oracle)

B-46. Building 832 Canyon OU 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-832-2112	11/1/05	<0.0004	<0.06273	<0.16	<0.00058	<0.00069	0.0120 ± 0.0000840	<0.007611

OU7-ICMS [pCi/L; -] 2005 data (prepared 2006-03-13 10:24:23, Oracle)

B-47. Building 851 Firing Table uranium isotopes by mass spectrometry in ground water.

Location	Date	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	5/13/05	0.0710 ± 0.00110	<0.062	0.000620 ± 0.0000110	<0.007	0.0210 ± 0.000160	0.00469 ± 0.0000730
W-851-05	12/15/05	<0.0627	<0.019	<0.00047	<0.00014	0.0100 ± 0.0000540	<0.007107
W-851-06	5/13/05	0.240 ± 0.00340	0.170 ± 0.00330	0.00260 ± 0.0000360	<0.000063	0.0660 ± 0.000530	0.00610 ± 0.0000690
W-851-06	12/15/05	0.240 ± 0.00890	0.180 ± 0.00890	0.00240 ± 0.0000460	<0.0004	0.0650 ± 0.000970	0.00585 ± 0.0000680
W-851-07	5/19/05	0.230 ± 0.00330	0.170 ± 0.00320	0.00270 ± 0.0000360	<0.000014	0.0590 ± 0.000630	0.00720 ± 0.0000560
W-851-07	11/8/05	0.230 ± 0.0190	0.170 ± 0.0190	0.00250 ± 0.0000530	<0.00028	0.0530 ± 0.000560	0.00727 ± 0.000135
W-851-08	5/19/05	0.360 ± 0.00420	0.220 ± 0.00420	0.00520 ± 0.0000370	<0.007	0.135 ± 0.000560	0.00601 ± 0.0000350
W-851-08	11/8/05	1.50 ± 0.0610	0.890 ± 0.0600	0.0220 ± 0.000450	<0.0019	0.570 ± 0.00850	0.00594 ± 0.0000860

OU8A-ICMS [pCi/L; -]   2005 data   (prepared 2006-03-13 10:13:37, Oracle)

B-48. Building 851 Firing Table tritium in ground water.

Location	Date	Tritium (pCi/L)
W-851-05	5/13/05	<100
W-851-05	05/13/05 DUP	<200
W-851-06	5/13/05	101 ± 58.0
W-851-07	5/19/05	<100
W-851-08	5/19/05	136 ± 61.0

OU8A-E906 [pCi/L] 2005 data (prepared 2006-03-03 08:53:11, Oracle)

B-49. Building 851 Firing Table VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-851-05	5/13/05	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-851-05	05/13/05 DUP	E601	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
W-851-05	5/13/05	E601	0 of 19
W-851-05	05/13/05 DUP	E601	0 of 18

OU8A-VOC [ug/L] 2005 data (prepared 2006-03-08 12:55:13, Oracle)

B-50. Building 851 Firing Table silica in ground water.

Location	Date	Silica (as SiO2) (mg/L)
W-851-05	5/13/05	38
W-851-05	05/13/05 DUP	38
W-851-06	5/13/05	33
W-851-07	5/19/05	41
W-851-08	5/19/05	31

OU8A-E200.7 [mg/L] 2005 data (prepared 2006-03-03 08:52:58, Oracle)

B-51. Building 851 Firing Table general minerals in ground water.

Constituents of concern	W-851-05 5/13/05	W-851-05 05/13/05 DUP	W-851-06 5/13/05	W-851-07 5/19/05	W-851-08 5/19/05
Total Alkalinity (as CaCO3) (mg/L)	260 H	160 H	170 H	180 H	150 H
Aluminum (mg/L)	<0.2	-	-	-	-
Bicarbonate Alk (as CaCO3) (mg/L)	260 BDH	160 H	170 H	180 H	150 H
Calcium (mg/L)	370	360 D	380 D	400 D	270 D
Carbonate Alk (as CaCO3) (mg/L)	<4 DH	<10 HLO	<10 HLO	<10 HLO	<10 HLO
Chloride (mg/L)	62 BD	62 D	74 D	89 D	120 D
Copper (mg/L)	-	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.55 D	0.47	0.52	0.66	0.12
Hydroxide Alk (as CaCO3) (mg/L)	<4 DH	<10 HLO	<10 HLO	<10 HLO	<10 HLO
Iron (mg/L)	<0.1	0.21	<0.1	<0.1	<0.1
Magnesium (mg/L)	130	130 D	120 D	150 D	87
Manganese (mg/L)	0.87	0.82	0.6	2	0.2
Nickel (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate (as N) (mg/L)	<2.5 D	<0.1	0.58	<0.1	0.94
Nitrate (as NO3) (mg/L)	<2.5 H	0.4	2.6	<0.1	4.1
Nitrite (as N) (mg/L)	<0.5	<0.1	<0.1	<0.1	<0.1
pH (Units)	7.52 H	7.4	7.8	7.4	7.2
Ortho-Phosphate (mg/L)	0.09	<0.1	<0.1	<0.1	<0.1
Phosphate as P (mg/L)	0.068 H	-	-	-	-
Total Phosphorus (as PO4) (mg/L)	-	<0.1 H	<0.1 H	<0.1 H	<0.1 H
Potassium (mg/L)	12	22 B	22 B	26	22
Sodium (mg/L)	350 B	340 D	320 D	330 D	240 D
Total dissolved solids (TDS) (mg/L)	3,200 DH	3,000 H	3,200 H	3,600 H	2,400 H
Specific Conductance (µmhos/cm)	3,200 H	3,400 H	3,500 H	3,700 H	2,600 H
Sulfate (mg/L)	1,900 D	1,600 DH	1,700 DH	1,700 DH	1,100 DH
Surfactants (mg/L)	<0.5	<0.5 H	<0.5 H	<0.5	<0.5
Total Hardness (as CaCO3) (mg/L)	1,400 H	-	-	-	-
Zinc (mg/L)	<0.05	<0.02	<0.02	<0.02	0.03

OU8A-GENMIN [mg/L; Units; umhos/cm] 2005 data (prepared 2006-03-03 08:53:25, Oracle)

B-52. Building 845 Firing Table and Pit 9 Landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K9-01	3/3/05	<100
K9-01	5/27/05	<100
K9-01	9/6/05	<100
K9-01	11/10/05	<100
K9-02	3/3/05	<100
K9-02	5/27/05	<100
K9-02	9/6/05	<100
K9-02	11/10/05	<100
K9-03	3/3/05	<100
K9-03	5/27/05	<100
K9-03	9/6/05	<100
K9-03	11/10/05	<100
K9-04	3/3/05	<100
K9-04	5/27/05	<100
K9-04	9/6/05	<100
K9-04	11/10/05	<100

OU8B-E906 [pCi/L] 2005 data (prepared 2006-03-03 08:54:29, Oracle)

B-53. Building 845 Firing Table and Pit 9 Landfill uranium isotopes by mass spectrometry in ground water.

Location	Date	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
K9-01	5/27/05	0.0990 ± 0.00170	0.0640 ± 0.00170	0.00150 ± 0.0000270	<0.000011	0.0330 ± 0.000290	0.00720 ± 0.000113
K9-02	5/27/05	0.270 ± 0.00380	0.200 ± 0.00370	0.00280 ± 0.0000450	<0.000014	0.0610 ± 0.000700	0.00721 ± 0.0000800
K9-03	5/27/05	0.420 ± 0.00500	0.310 ± 0.00500	0.00480 ± 0.0000500	<0.00002	0.100 ± 0.000510	0.00726 ± 0.0000650
K9-04	5/27/05	0.230 ± 0.00440	0.170 ± 0.00430	0.00270 ± 0.0000450	<0.000014	0.0600 ± 0.000770	0.00694 ± 0.0000760

OU8B-ICMS [pCi/L; -] 2005 data (prepared 2006-03-13 10:13:49, Oracle)

B-54. Building 845 Firing Table and Pit 9 Landfill metals and silica in ground water.

Constituents of concern	K9-01	K9-02	K9-03	K9-04
	5/27/05	5/27/05	5/27/05	5/27/05
Antimony (mg/L)	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	<0.02	<0.02	<0.02	<0.02
Beryllium (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium (mg/L)	<0.0005	<0.0005	<0.0005	<0.0005
Chromium (mg/L)	<0.001	<0.001	<0.001	<0.001
Cobalt (mg/L)	<0.0005	<0.0005	<0.0005	<0.0005
Copper (mg/L)	<1	<1	<1	<1
Lead (mg/L)	<0.005	<0.005	<0.005	<0.005
Lithium (mg/L)	0.0858	0.0755	0.0934	0.073
Mercury (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (mg/L)	0.03	0.05	0.03	0.03
Nickel (mg/L)	<0.002	<0.002	0.002	<0.002
Selenium (mg/L)	<0.002	<0.002	<0.002	<0.002
Silica (as SiO2) (mg/L)	-	59	53	-
Silver (mg/L)	<0.001	<0.001	<0.001	<0.001
Thallium (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium (mg/L)	<0.001	<0.001	<0.001	<0.001
Uranium (mg/L)	<0.00027 E	<0.00027 E	0.000281	<0.00027 E
Vanadium (mg/L)	<0.002	<0.002	<0.002	<0.002
Zinc (mg/L)	<0.01	<0.01	<0.01	<0.01

OU8B-TRIMET [mg/L] 2005 data (prepared 2006-03-03 08:55:05, Oracle)

B-55. Building 845 Firing Table and Pit 9 Landfill VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K9-01	5/27/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K9-02	5/27/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K9-03	5/27/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K9-04	5/27/05	E601	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K9-01	5/27/05	E601	0 of 18
K9-02	5/27/05	E601	0 of 18
K9-03	5/27/05	E601	0 of 18
K9-04	5/27/05	E601	0 of 18

OU8B-VOC [ug/L] 2005 data (prepared 2006-03-08 12:55:26, Oracle)

B-56. Building 845 Firing Table and Pit 9 Landfill high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
K9-01	5/27/05	<1	<1
K9-02	5/27/05	<1	<1
K9-03	5/27/05	<1	<1
K9-04	5/27/05	<1	<1

OU8B-E8330 [ug/L]   2005 data   (prepared 2006-03-03 08:54:17, Oracle)

B-57. Building 845 Firing Table and Pit 9 Landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (µg/L)
K9-01	5/27/05	-	<0.1	<4 L
K9-02	5/27/05	<0.1	<0.1	<4 L
K9-02	05/27/05 DUP	-	<0.1	-
K9-03	5/27/05	<0.1	<0.1	<4 L
K9-03	05/27/05 DUP	-	0.29	-
K9-04	5/27/05	-	<0.1	<4 L

OU8B-E300.0 [mg/L; ug/L]   2005 data   (prepared 2006-03-03 08:54:06, Oracle)

B-58. Building 845 Firing Table and Pit 9 Landfill general minerals in ground water.

Constituents of concern	K9-01 5/27/05	K9-02 5/27/05	K9-02 05/27/05 DUP	K9-03 5/27/05	K9-03 05/27/05 DUP	K9-04 5/27/05
Total Alkalinity (as CaCO3) (mg/L)	-	190 H	-	170 H	-	-
Aluminum (mg/L)	-	<0.05 L	-	<0.05 L	-	-
Bicarbonate Alk (as CaCO3) (mg/L)	-	190 H	-	170 H	-	-
Calcium (mg/L)	-	68	-	78	-	-
Carbonate Alk (as CaCO3) (mg/L)	-	<10 H	-	<10 H	-	-
Chloride (mg/L)	-	160 D	-	140 D	-	-
Copper (mg/L)	-	<0.01	-	<0.01	-	-
Fluoride (mg/L)	0.36	0.43	0.32	0.36	0.34	0.42
Hydroxide Alk (as CaCO3) (mg/L)	-	<10 H	-	<10 H	-	-
Iron (mg/L)	-	<0.1	-	<0.1	-	-
Magnesium (mg/L)	-	33	-	33	-	-
Manganese (mg/L)	-	<0.03	-	<0.03	-	-
Nickel (mg/L)	-	<0.1	-	<0.1	-	-
Nitrite (as N) (mg/L)	-	<0.1	-	<0.1	-	-
pH (Units)	-	8	-	7.9	-	-
Ortho-Phosphate (mg/L)	-	<0.1	-	<0.1	-	-
Total Phosphorus (as PO4) (mg/L)	-	<0.1 H	-	<0.1 H	-	-
Potassium (mg/L)	-	17	-	20	-	-
Sodium (mg/L)	-	280 D	-	280 D	-	-
Total dissolved solids (TDS) (mg/L)	-	1,300 H	-	1,400 H	-	-
Specific Conductance (µmhos/cm)	-	1,800 H	-	1,800 H	-	-
Sulfate (mg/L)	-	470 DH	-	540 DH	-	-
Surfactants (mg/L)	-	<0.5	-	<0.5	-	-
Total Hardness (as CaCO3) (mg/L)	-	310 H	-	330 H	-	-
Zinc (mg/L)	-	<0.02	-	<0.02	-	-

OU8B-GENMIN [mg/L; Units; umhos/cm]   2005 data   (prepared 2006-03-03 08:54:40, Oracle)

B-59. Building 833 VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-833-12	3/29/05	E601	7.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5 O	<0.5
W-833-30	2/23/05	E601	<0.5	<0.5	<0.5	<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	8/16/05	E601	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
W-833-12	3/29/05	E601	0 of 18
W-833-30	2/23/05	E601	0 of 18
W-833-30	8/16/05	E601	0 of 13

OU8C-VOC [ug/L] 2005 data (prepared 2006-03-08 12:55:38, Oracle)

B-60. Building 801 Firing Table and Pit 8 Landfill tritium in ground water.

Location	Date	Tritium (pCi/L)
K8-02B	3/11/05	<100
K8-02B	6/7/05	<100
K8-02B	8/29/05	<100
K8-02B	10/20/05	115 ± 54.0
K8-04	3/11/05	<100
K8-04	6/7/05	<100
K8-04	8/29/05	<100
K8-04	10/20/05	<100

OU8D-E906 [pCi/L] 2005 data (prepared 2006-03-03 08:56:19, Oracle)

B-61. Building 801 Firing Table and Pit 8 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
K8-02B	6/7/05	<0.0004	11.0 ± 0.140	6.80 ± 0.130	0.190 ± 0.00170	<0.00079	4.10 ± 0.0300	0.00731 ± 0.0000380
K8-04	6/7/05	<0.0004	11.0 ± 0.160	6.70 ± 0.150	0.200 ± 0.00330	<0.00084	4.30 ± 0.0510	0.00727 ± 0.0000780

OU8D-ICMS [pCi/L; -] 2005 data (prepared 2006-03-13 10:14:02, Oracle)

B-62. Building 801 Firing Table and Pit 8 Landfill metals and silica in ground water.

Constituents of concern	K8-02B	K8-04
	6/7/05	6/7/05
Antimony (mg/L)	<0.005	<0.005
Barium (mg/L)	<0.02	<0.02
Beryllium (mg/L)	<0.0003 DL	<0.0003 DL
Cadmium (mg/L)	<0.0005 L	0.0008 L
Chromium (mg/L)	0.002	0.01
Cobalt (mg/L)	<0.0005	<0.0005
Copper (mg/L)	<1	<1
Lead (mg/L)	<0.005	<0.005
Lithium (mg/L)	0.0357	0.0416
Mercury (mg/L)	<0.0002	<0.0002
Molybdenum (mg/L)	0.006	0.007
Nickel (mg/L)	0.01	<0.002
Selenium (mg/L)	0.005	0.01
Silica (as SiO2) (mg/L)	-	69
Silver (mg/L)	<0.001 L	<0.001 L
Thallium (mg/L)	<0.001 L	<0.001 L
Thorium (mg/L)	0.000081 (<0.00050)	0.000009 (<0.00050)
Uranium (mg/L)	0.0129	0.0136
Vanadium (mg/L)	0.07	0.1 D
Zinc (mg/L)	0.03	<0.01

OU8D-CMPMET [mg/L]   2005 data   (prepared 2006-03-03 08:55:45, Oracle)

B-63. Building 801 Firing Table and Pit 8 Landfill VOCs in ground water.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
K8-01	6/2/05	E601	3.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-01	10/20/05	E601	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-02B	6/7/05	E601	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-02B	10/20/05	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-03B	5/20/05	E601	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-03B	12/8/05	E601	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-04	6/7/05	E601	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K8-04	10/20/05	E601	1.2	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytes detected but not reported in main table.

Location	Date	Method	Detection frequency
K8-01	6/2/05	E601	0 of 18
K8-01	10/20/05	E601	0 of 18
K8-02B	6/7/05	E601	0 of 18
K8-02B	10/20/05	E601	0 of 18
K8-03B	5/20/05	E601	0 of 18
K8-03B	12/8/05	E601	0 of 18
K8-04	6/7/05	E601	0 of 18
K8-04	10/20/05	E601	0 of 18

OU8D-VOC [ug/L] 2005 data (prepared 2006-03-08 12:55:51, Oracle)

B-64. Building 801 Firing Table and Pit 8 Landfill high explosive compounds in ground water.

Location	Date	HMX (µg/L)	RDX (µg/L)
K8-02B	6/7/05	<1	<1
K8-04	6/7/05	<1	<1

OU8D-E8330 [ug/L] 2005 data (prepared 2006-03-03 08:56:08, Oracle)

B-65. Building 801 Firing Table and Pit 8 Landfill nitrate and perchlorate in ground water.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)	Perchlorate (μg/L)
K8-01	6/2/05	-	53 D	<4
K8-02B	6/7/05	-	33 D	<4
K8-03B	5/20/05	-	13	<4
K8-04	6/7/05	12 D	51 D	<4
K8-04	06/07/05 DUP	-	53 D	-

OU8D-E300.0 [mg/L; ug/L] 2005 data (prepared 2006-03-03 08:55:57, Oracle)

B-66. Building 801 Firing Table and Pit 8 Laıd Pit 8 Landfill general minerals in ground water.

Constituents of concern	K8-02B 6/7/05	K8-04 6/7/05	K8-04 06/07/05 DUP
Total Alkalinity (as CaCO3) (mg/L)	-	200 H	-
Aluminum (mg/L)	-	0.08	-
Bicarbonate Alk (as CaCO3) (mg/L)	-	200 H	-
Calcium (mg/L)	-	52	-
Carbonate Alk (as CaCO3) (mg/L)	-	<10 H	-
Chloride (mg/L)	-	85 D	-
Copper (mg/L)	-	<0.01	-
Fluoride (mg/L)	0.35 L	0.4 L	0.45
Hydroxide Alk (as CaCO3) (mg/L)	-	<10 H	-
Iron (mg/L)	-	0.3	-
Magnesium (mg/L)	-	35	-
Manganese (mg/L)	-	<0.03	-
Nickel (mg/L)	-	<0.1	-
Nitrite (as N) (mg/L)	-	<0.1	-
pH (Units)	-	7.8	-
Ortho-Phosphate (mg/L)	-	<0.1	-
Total Phosphorus (as PO4) (mg/L)	-	<0.1 H	-
Potassium (mg/L)	-	9	-
Sodium (mg/L)	-	81	-
Total dissolved solids (TDS) (mg/L)	-	520	-
Specific Conductance (µmhos/cm)	-	860 H	-
Sulfate (mg/L)	-	50 D	-
Surfactants (mg/L)	-	<0.5	-
Total Hardness (as CaCO3) (mg/L)	-	270 H	-
Zinc (mg/L)	-	<0.02	-

OU8D-GENMIN [mg/L; Units; umhos/cm] 2005 data (prepared 2006-03-03 08:56:30, Oracle)

Appendix C

Ground Water Elevations Measured During 2005

Appendix C

Ground Water Elevations Measured During 2005

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
CDF1	1/11/05	13.62	489.35	
CDF1	4/19/05	7.34	495.63	
CDF1	7/18/05	9.06	493.91	
CDF1	10/18/05	12.04	490.93	
CON1	1/11/05	10.03	492.44	
CON1	4/19/05	6.23	496.24	
CON1	7/18/05	30.18	472.29	
CON1	10/13/05	9.94	492.53	
CON2	1/11/05	15.17	490.12	
CON2	4/20/05	8.71	496.58	
CON2	7/18/05	10.88	494.41	
CON2	10/18/05	14.37	490.92	
W-24P-03	1/3/05	-	-	NM
W-24P-03	4/20/05	2.25	425.49	
W-24P-03	7/6/05	2.53	425.21	
W-24P-03	10/24/05	2.37	425.37	
W-25D-01	1/13/05	16.69	448.8	
W-25D-01	4/19/05	16.96	448.53	
W-25D-01	7/6/05	17.29	448.2	
W-25D-01	10/24/05	-	-	NM
W-25D-02	1/13/05	9.02	449.17	
W-25D-02	4/19/05	9.43	448.76	
W-25D-02	7/6/05	9.85	448.34	
W-25D-02	10/24/05	-	-	NM
W-25M-01	1/13/05	19.15	460.41	
W-25M-01	4/19/05	17.89	461.67	
W-25M-01	7/6/05	18.52	461.04	
W-25M-01	10/24/05	-	-	NM/FIRE HAZARD
W-25M-02	1/13/05	9.45	475.79	
W-25M-02	4/18/05	5.75	479.49	
W-25M-02	7/6/05	6	479.24	
W-25M-02	10/24/05	-	-	NM/FIRE HAZARD
W-25M-03	1/13/05	-	-	NM
W-25M-03	4/20/05	5.78	481.65	
W-25M-03	7/6/05	5.1	482.33	
W-25M-03	10/24/05	-	-	NM/FIRE HAZARD
W-25N-01	1/4/05	18.75	488.37	
W-25N-01	4/8/05	11.75	495.37	
W-25N-01	7/1/05	13.1	494.02	CB
W-25N-01	10/24/05	-	-	NM/CB
W-25N-04	1/4/05	41.08	487.77	
W-25N-04	4/8/05	40.6	488.25	
W-25N-04	7/1/05	40.22	488.63	
W-25N-04	10/3/05	10.55	518.3	
W-25N-05	1/13/05	11.92	485.55	
W-25N-05	4/18/05	6.7	490.77	
W-25N-05	7/6/05	7.97	489.5	
W-25N-05	10/3/05	-	-	NM/FIRE HAZARD
W-25N-06	1/13/05	14.43	482.39	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-25N-06	4/18/05	9.17	487.65	
W-25N-06	7/6/05	10.46	486.36	
W-25N-06	10/3/05	-	-	NM/FIRE HAZARD
W-25N-07	1/14/05	15.48	489.92	
W-25N-07	4/18/05	9.21	496.19	
W-25N-07	7/6/05	10.94	494.46	
W-25N-07	10/3/05	14.55	490.85	
W-25N-08	1/4/05	23.69	487.13	
W-25N-08	4/8/05	17.6	493.22	
W-25N-08	7/1/05	18.7	492.12	
W-25N-08	10/3/05	22.13	488.69	
W-25N-09	1/4/05	20	490.46	
W-25N-09	4/8/05	15.2	495.26	
W-25N-09	7/1/05	16.3	494.16	
W-25N-09	10/3/05	18.75	491.71	
W-25N-10	1/14/05	14.63	491.23	
W-25N-10	4/18/05	10.44	495.42	
W-25N-10	7/6/05	11.87	493.99	
W-25N-10	10/3/05	14.17	491.69	
W-25N-11	1/14/05	14.32	491.45	
W-25N-11	4/18/05	10	495.77	
W-25N-11	7/6/05	12.44	493.33	
W-25N-11	10/3/05	13.85	491.92	
W-25N-12	1/14/05	14.91	490.61	
W-25N-12	4/18/05	10.55	494.97	
W-25N-12	7/6/05	12	493.52	
W-25N-12	10/3/05	14.55	490.97	
W-25N-13	1/14/05	16.35	489.03	
W-25N-13	4/18/05	10.31	495.07	
W-25N-13	7/6/05	11.9	493.48	
W-25N-13	10/3/05	15.45	489.93	
W-25N-15	1/13/05	13.34	488.03	
W-25N-15	4/18/05	7.76	493.61	
W-25N-15	7/6/05	9.23	492.14	
W-25N-15	10/25/05	13.25	488.12	
W-25N-18	1/13/05	13.91	487.91	
W-25N-18	4/18/05	8.64	493.18	
W-25N-18	7/6/05	10.08	491.74	
W-25N-18	10/25/05	14	487.82	
W-25N-20	1/4/05	16.14	488.8	
W-25N-20	4/8/05	9.15	495.79	
W-25N-20	7/1/05	10.52	494.42	
W-25N-21	1/4/05	22.67	490.51	
W-25N-21	4/8/05	18	495.18	
W-25N-21	7/1/05	19.07	494.11	
W-25N-21	10/3/05	21.62	491.56	
W-25N-22	1/4/05	24.91	488.15	
W-25N-22	4/8/05	19.4	493.66	
W-25N-22	7/1/05	20.1	492.96	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-25N-22	10/3/05	23.25	489.81	
W-25N-23	1/4/05	22.63	487.76	
W-25N-23	4/8/05	16.4	493.99	
W-25N-23	7/1/05	17.6	492.79	
W-25N-23	10/3/05	21.17	489.22	
W-25N-24	1/4/05	18.76	487.86	
W-25N-24	4/8/05	12	494.62	
W-25N-24	7/1/05	12.9	493.72	
W-25N-24	10/17/05	-	-	FL
W-25N-25	1/11/05	12.92	488.55	
W-25N-25	4/19/05	6.61	494.86	
W-25N-25	7/6/05	8.51	492.96	
W-25N-25	10/25/05	12.2	489.27	
W-25N-26	1/13/05	11.49	487.88	
W-25N-26	4/18/05	6.27	493.1	
W-25N-26	7/6/05	7.61	491.76	
W-25N-26	10/25/05	11.47	487.9	
W-25N-28	1/13/05	12.06	485.09	
W-25N-28	4/18/05	7.08	490.07	
W-25N-28	7/6/05	8.15	489	
W-25N-28	10/3/05	-	-	NM/FIRE HAZARD
W-26R-01	1/4/05	20.76	488.95	
W-26R-01	4/8/05	13.38	496.33	
W-26R-01	7/1/05	14.88	494.83	
W-26R-02	1/4/05	37.54	490.66	
W-26R-02	4/8/05	33	495.2	
W-26R-02	7/1/05	33.95	494.25	
W-26R-02	10/3/05	36.47	491.73	
W-26R-03	1/4/05	17.4	488.82	
W-26R-03	4/8/05	10.4	495.82	
W-26R-03	7/1/05	11.8	494.42	
W-26R-03	10/3/05	-	-	NM
W-26R-04	1/4/05	19.8	489.16	
W-26R-04	4/8/05	12.45	496.51	
W-26R-04	7/1/05	14.05	494.91	
W-26R-04	10/3/05	17.85	491.11	
W-26R-05	1/4/05	24.16	488.95	
W-26R-05	4/8/05	17.37	495.74	
W-26R-05	7/1/05	18.75	494.36	
W-26R-06	1/4/05	26.01	489.17	
W-26R-06	4/8/05	18.65	496.53	
W-26R-06	7/1/05	18.65	496.53	
W-26R-06	10/3/05	24.15	491.03	
W-26R-07	1/4/05	29.99	490.6	
W-26R-07	4/8/05	25.32	495.27	
W-26R-07	7/1/05	26.4	494.19	
W-26R-07	10/3/05	28.95	491.64	
W-26R-08	1/4/05	32.25	490.86	
W-26R-08	4/8/05	27.8	495.31	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-26R-08	7/1/05	28.75	494.36	
W-26R-08	10/3/05	31.25	491.86	
W-26R-11	1/4/05	17.9	489.31	
W-26R-11	4/8/05	10.55	496.66	
W-26R-11	7/1/05	12.05	495.16	
W-35A-01	1/19/05	15.16	493.25	
W-35A-01	4/18/05	7.54	500.87	
W-35A-01	7/6/05	9.93	498.48	CB
W-35A-01	10/5/05	13.97	494.44	CB
W-35A-02	1/19/05	14.42	495.28	
W-35A-02	4/19/05	6.01	503.69	
W-35A-02	7/6/05	8.47	501.23	CB
W-35A-02	10/5/05	12.71	496.99	CB
W-35A-03	1/19/05	14.23	492.61	
W-35A-03	4/19/05	6.75	500.09	
W-35A-03	7/6/05	8.99	497.85	CB
W-35A-03	10/5/05	12.98	493.86	CB
W-35A-04	1/19/05	13.07	490.91	
W-35A-04	4/18/05	9.5	494.48	
W-35A-04	7/6/05	7.98	496	CB
W-35A-05	1/19/05	15.17	492.8	
W-35A-05	4/19/05	7.68	500.29	
W-35A-05	7/6/05	9.9	498.07	CB
W-35A-05	10/5/05	-	-	NM/CB
W-35A-06	1/19/05	13.24	491.08	
W-35A-06	4/18/05	9.08	495.24	
W-35A-06	7/6/05	8.1	496.22	
W-35A-06	10/5/05	12.5	491.82	
W-35A-07	1/14/05	2.59	508	
W-35A-07	4/18/05	1	509.59	
W-35A-07	7/6/05	0.98	509.61	
W-35A-07	10/5/05	1.35	509.24	
W-35A-08	1/14/05	16.41	501.45	
W-35A-08	4/18/05	9.5	508.36	
W-35A-08	7/6/05	12.9	504.96	
W-35A-08	10/18/05	16.78	501.08	
W-35A-09	1/14/05	17.68	497.87	
W-35A-09	4/18/05	9.6	505.95	
W-35A-09	7/6/05	11.97	503.58	
W-35A-09	10/18/05	16.73	498.82	
W-35A-10	1/14/05	15.1	496.62	
W-35A-10	4/18/05	7.65	504.07	
W-35A-10	7/6/05	9.6	502.12	
W-35A-10	10/18/05	13.71	498.01	
W-35A-11	1/19/05	5.14	500.21	
W-35A-11	4/19/05	2.59	502.76	
W-35A-11	7/6/05	2.87	502.48	
W-35A-11	10/6/05	4.72	500.63	
W-35A-12	1/19/05	7.86	497.96	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35A-12	4/19/05	2.8	503.02	
W-35A-12	7/6/05	3.79	502.03	
W-35A-12	10/6/05	6.42	499.4	
W-35A-13	1/19/05	11.44	491.9	
W-35A-13	4/19/05	4.82	498.52	
W-35A-13	7/6/05	6.71	496.63	
W-35A-13	10/5/05	10.45	492.89	
W-35A-14	1/21/05	14.81	497.72	
W-35A-14	4/19/05	7.08	505.45	
W-35A-14	7/6/05	9.2	503.33	
W-35A-14	10/5/05	-	-	NM
W-7A	1/26/05	13.82	511.49	
W-7A	4/22/05	11.92	513.39	
W-7A	7/1/05	12.1	513.21	
W-7A	10/3/05	12.95	512.36	
W-7B	1/4/05	20.42	491.02	
W-7B	4/8/05	13.15	498.29	
W-7B	7/1/05	14.73	496.71	
W-7B	10/3/05	18.6	492.84	
W-7C	1/4/05	13.64	504.23	
W-7C	4/8/05	9.8	508.07	
W-7C	7/1/05	10.32	507.55	
W-7C	10/3/05	12.2	505.67	
W-7D	1/4/05	16.14	490.98	
W-7D	4/8/05	11.8	495.32	
W-7D	7/1/05	13	494.12	
W-7D	10/3/05	15.2	491.92	
W-7DS	1/4/05	17.24	489.36	
W-7DS	4/8/05	9.8	496.8	
W-7DS	7/1/05	11.4	495.2	
W-7E	1/4/05	18.43	491.57	
W-7E	4/8/05	10.63	499.37	
W-7E	7/1/05	12.8	497.2	
W-7ES	1/4/05	18.37	491.34	
W-7ES	4/8/05	11.25	498.46	
W-7ES	7/1/05	12.33	497.38	
W-7F	1/4/05	33.42	493.66	
W-7F	4/8/05	41.75	485.33	
W-7F	7/1/05	42.5	484.58	
W-7F	10/3/05	42.45	484.63	
W-7G	1/4/05	16.62	496.27	
W-7G	4/8/05	12.95	499.94	
W-7G	7/1/05	12.98	499.91	
W-7G	10/3/05	15.25	497.64	
W-7H	1/4/05	12.45	498.99	
W-7H	4/8/05	9	502.44	
W-7H	7/1/05	10.65	500.79	
W-7H	10/3/05	12.64	498.8	
W-7I	1/11/05	48.57	480.61	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-7I	4/8/05	50.41	478.77	
W-7I	7/5/05	50.35	478.83	
W-7I	10/3/05	50.52	478.66	
W-7J	1/4/05	34.01	494.15	
W-7J	4/8/05	45.4	482.76	
W-7J	7/1/05	44.5	483.66	
W-7J	10/3/05	41.7	486.46	
W-7K	1/4/05	13.39	497.54	
W-7K	4/8/05	9.63	501.3	
W-7K	7/1/05	9.8	501.13	
W-7K	10/3/05	12	498.93	
W-7L	1/4/05	16.22	496.54	
W-7L	4/8/05	12.45	500.31	
W-7L	7/1/05	12.52	500.24	
W-7L	10/3/05	14.83	497.93	
W-7M	1/4/05	13.86	493.89	
W-7M	4/8/05	8.4	499.35	
W-7M	7/1/05	9.5	498.25	
W-7M	10/3/05	12.47	495.28	
W-7N	1/4/05	17.1	491.08	
W-7N	4/8/05	9.93	498.25	
W-7N	7/1/05	11.45	496.73	
W-7N	10/3/05	15.37	492.81	
W-7O	1/4/05	24.5	491.59	
W-7O	4/8/05	17.4	498.69	
W-7O	7/1/05	19.4	496.69	
W-7O	10/3/05	23.25	492.84	
W-7P	1/4/05	19.14	490.5	
W-7P	4/8/05	11.85	497.79	
W-7P	7/1/05	13.5	496.14	
W-7P	10/3/05	17.3	492.34	
W-7PS	1/4/05	18.03	490.47	
W-7PS	4/8/05	16.2	492.3	
W-7PS	7/1/05	12.25	496.25	
W-7Q	1/4/05	23.64	491.98	
W-7Q	4/8/05	16.27	499.35	
W-7Q	7/1/05	18.35	497.27	
W-7Q	10/3/05	22.7	492.92	
W-7R	1/4/05	19.01	491.39	
W-7R	4/8/05	11.4	499	
W-7R	7/1/05	13.35	497.05	
W-7R	10/3/05	17.45	492.95	
W-7S	1/4/05	18.51	489.45	
W-7S	4/8/05	10.8	497.16	
W-7S	7/1/05	12.55	495.41	
W-7S	10/3/05	16.57	491.39	
W-7T	1/4/05	18.39	489.47	
W-7T	4/8/05	10.6	497.26	
W-7T	7/1/05	12.4	495.46	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-7T	10/3/05	16.45	491.41	
W-843-01	1/12/05	119.5	504.26	
W-843-01	4/9/05	118.08	505.68	
W-843-01	7/1/05	118.03	505.73	
W-843-01	10/26/05	119.2	504.56	
W-843-02	1/12/05	101.88	520.71	
W-843-02	4/9/05	99.86	522.73	
W-843-02	7/1/05	99.35	523.24	
W-843-02	10/26/05	100.1	522.49	
W-872-01	1/12/05	33.29	497.35	
W-872-01	4/21/05	30.89	499.75	
W-872-01	7/1/05	30.8	499.84	
W-872-01	10/3/05	31.7	498.94	
W-872-02	1/12/05	38.71	493.06	
W-872-02	4/21/05	31.85	499.92	
W-872-02	7/1/05	31.8	499.97	
W-872-02	10/3/05	27	504.77	
W-873-01	1/12/05	26.67	507.26	
W-873-01	4/9/05	25.33	508.6	
W-873-01	7/1/05	25.85	508.08	
W-873-01	10/3/05	27.65	506.28	
W-873-02	1/12/05	34.36	498.77	
W-873-02	4/9/05	30.61	502.52	
W-873-02	7/1/05	30.35	502.78	
W-873-02	10/3/05	32.2	500.93	
W-873-03	1/12/05	29.76	504.03	
W-873-03	4/9/05	27.31	506.48	
W-873-03	7/1/05	27.6	506.19	
W-873-03	10/3/05	29.74	504.05	
W-873-04	1/12/05	19.85	511.56	
W-873-04	4/9/05	18.61	512.8	
W-873-04	7/1/05	18.25	513.16	
W-873-04	10/3/05	18.95	512.46	
W-873-06	1/12/05	33.73	498.1	
W-873-06	4/9/05	29.61	502.22	
W-873-06	7/1/05	29.65	502.18	
W-873-06	10/3/05	31.67	500.16	
W-873-07	1/12/05	48.03	483.48	
W-873-07	4/21/05	47.52	483.99	
W-873-07	7/1/05	47.95	483.56	
W-873-07	10/3/05	47.85	483.66	
W-875-01	1/11/05	19.55	512.85	
W-875-01	4/21/05	20.38	512.02	
W-875-01	7/1/05	20.95	511.45	
W-875-01	10/3/05	-	-	NM
W-875-02	1/12/05	20.52	510.84	
W-875-02	4/21/05	20.69	510.67	
W-875-02	7/1/05	21.4	509.96	
W-875-02	10/3/05	21.8	509.56	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-875-03	1/12/05	-	-	NM/CB FULL OF WATER
W-875-03	4/21/05	-	-	DRY/CB
W-875-03	7/1/05	-	-	DRY
W-875-03	10/3/05	-	-	DRY/CB
W-875-04	1/11/05	18.75	513.48	
W-875-04	4/21/05	20.89	511.34	
W-875-04	7/1/05	21.53	510.7	
W-875-04	10/3/05	21.85	510.38	
W-875-05	1/11/05	22.56	514.14	
W-875-05	4/21/05	22.48	514.22	
W-875-05	7/1/05	22.8	513.9	
W-875-05	10/3/05	23.08	513.62	
W-875-06	1/11/05	23.6	505.82	
W-875-06	4/21/05	22.34	507.08	
W-875-06	7/1/05	23.75	505.67	
W-875-06	10/3/05	24.9	504.52	
W-875-07	1/11/05	-	-	DRY
W-875-07	4/21/05	35.6	492.84	
W-875-07	7/5/05	-	-	DRY
W-875-07	10/3/05	35.55	492.89	
W-875-08	1/11/05	49.42	478.73	
W-875-08	4/21/05	51.5	476.65	
W-875-08	7/5/05	-	-	DRY
W-875-08	10/3/05	51.55	476.6	
W-875-09	1/11/05	-	-	DRY
W-875-09	4/21/05	-	-	DRY
W-875-09	7/5/05	-	-	DRY
W-875-09	10/3/05	-	-	DRY
W-875-10	1/11/05	38.72	490.6	
W-875-10	4/21/05	-	-	DRY
W-875-10	7/5/05	-	-	DRY
W-875-10	10/3/05	42.05	487.27	
W-875-11	1/11/05	40.71	488.45	
W-875-11	4/21/05	42.62	486.54	
W-875-11	7/5/05	42	487.16	
W-875-11	10/3/05	43.15	486.01	
W-875-15	1/11/05	-	-	DRY
W-875-15	4/21/05	-	-	DRY
W-875-15	7/5/05	-	-	DRY
W-875-15	10/3/05	-	-	DRY
W-876-01	1/11/05	21.23	516.75	
W-876-01	4/21/05	22.84	515.14	
W-876-01	7/1/05	23.15	514.83	
W-876-01	10/3/05	24.1	513.88	
W-879-01	1/12/05	38.51	513.81	
W-879-01	4/9/05	36.06	516.26	
W-879-01	7/1/05	36	516.32	
W-879-01	10/3/05	36.87	515.45	
W-889-01	1/12/05	38.88	514.75	

C-1. General Services Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-889-01	4/9/05	38.65	514.98	
W-889-01	7/1/05	38.8	514.83	
W-889-01	10/3/05	38.76	514.87	
W-CGSA-1732	1/4/05	-	-	DRY
W-CGSA-1732	4/8/05	-	-	DRY
W-CGSA-1732	7/1/05	-	-	DRY
W-CGSA-1732	10/3/05	-	-	DRY
W-CGSA-1733	1/4/05	19.62	493.63	
W-CGSA-1733	4/8/05	12.7	500.55	
W-CGSA-1733	7/1/05	14.45	498.8	
W-CGSA-1733	10/3/05	18.45	494.8	
W-CGSA-1735	1/4/05	-	-	DRY
W-CGSA-1735	4/8/05	-	-	DRY
W-CGSA-1735	7/1/05	13.36	502.64	
W-CGSA-1735	10/3/05	-	-	DRY
W-CGSA-1736	1/4/05	19.82	487.75	
W-CGSA-1736	4/8/05	12.33	495.24	
W-CGSA-1736	7/1/05	13.88	493.69	
W-CGSA-1736	10/3/05	17.75	489.82	
W-CGSA-1737	1/4/05	16.67	488.21	
W-CGSA-1737	4/8/05	9.2	495.68	
W-CGSA-1737	7/1/05	10.95	493.93	
W-CGSA-1737	10/3/05	14.85	490.03	
W-CGSA-1739	1/4/05	18.41	493.61	
W-CGSA-1739	4/8/05	13.25	498.77	
W-CGSA-1739	7/1/05	14.9	497.12	
W-CGSA-1739	10/3/05	18.95	493.07	

GWE-CMP1 2005 data (created 2006-03-06 14:26:29, Oracle)

C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-1709	1/5/05	23.47	992.95	
W-834-1709	4/9/05	18.95	997.47	
W-834-1709	7/7/05	20.15	996.27	
W-834-1709	10/18/05	21.9	994.52	
W-834-1711	1/5/05	35.9	980.9	
W-834-1711	4/9/05	35.77	981.03	
W-834-1711	7/7/05	35.02	981.78	
W-834-1711	10/18/05	35.4	981.4	
W-834-1712	1/5/05	-	-	DRY
W-834-1712	4/9/05	-	-	DRY
W-834-1712	7/7/05	-	-	DRY
W-834-1712	10/18/05	-	-	DRY
W-834-1824	1/4/05	39.21	921.57	
W-834-1824	4/9/05	-	-	NM/TRACER STUDY
W-834-1824	7/1/05	-	-	NM/TRACER STUDY
W-834-1824	10/13/05	38.15	922.63	
W-834-1825	1/4/05	39.1	918.57	
W-834-1825	4/9/05	-	-	NM/TRACER STUDY
W-834-1825	7/1/05	-	-	NM/TRACER STUDY
W-834-1825	10/13/05	37.59	920.08	
W-834-1833	1/4/05	39.31	916.8	
W-834-1833	4/9/05	-	-	NM/TRACER STUDY
W-834-1833	7/1/05	-	-	NM/TRACER STUDY
W-834-1833	10/13/05	38.22	917.89	
W-834-2001	1/5/05	18.99	993.23	
W-834-2001	4/9/05	17.72	994.5	
W-834-2001	7/7/05	19.05	993.17	
W-834-2001	10/13/05	20.15	992.07	
W-834-2113	4/15/05	37.03	959.98	
W-834-2113	7/28/05	-	-	NM/TRACER STUDY
W-834-2113	10/18/05	38.3	960.71	
W-834-2118	7/18/05	-	-	DRY
W-834-2118	10/13/05	27.63	909.65	
W-834-A1	1/5/05	30.37	984.72	CB
W-834-A1	4/9/05	27.89	987.2	CB
W-834-A1	7/7/05	27.99	987.1	CB
W-834-A1	10/19/05	29.25	985.84	CB
W-834-A2	1/5/05	17.57	997.91	
W-834-A2	4/9/05	15.59	999.89	
W-834-A2	7/7/05	18.21	997.27	CB
W-834-A2	10/19/05	-	-	DRY
W-834-B2	1/5/05	17.35	1001.04	
W-834-B2	4/9/05	15.85	1002.54	
W-834-B2	7/18/05	16.05	1002.34	VE
W-834-B2	10/18/05	16.25	1002.14	VE
W-834-B3	1/15/05	6.12	1012.03	
W-834-B3	4/9/05	11.12	1007.03	
W-834-B3	7/18/05	11.26	1006.89	VE
W-834-B3	10/13/05	-	-	NM/VE
W-834-B4	1/5/05	14.54	1001.03	

C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-B4	4/9/05	10.48	1005.09	
W-834-B4	7/7/05	13.57	1002	CB
W-834-B4	10/19/05	-	-	DRY/CB
W-834-C2	1/5/05	-	-	DRY
W-834-C2	4/9/05	15.36	1004.44	
W-834-C2	7/18/05	-	-	DRY
W-834-C2	10/13/05	-	-	DRY
W-834-C4	1/5/05	7.04	1012.36	
W-834-C4	4/9/05	5.76	1013.64	
W-834-C4	7/7/05	8.42	1010.98	
W-834-C4	10/13/05	10.85	1008.55	
W-834-C5	1/5/05	10.5	1005.17	
W-834-C5	4/9/05	7.9	1007.77	
W-834-C5	7/7/05	11.19	1004.48	CB
W-834-C5	10/13/05	13.15	1002.52	
W-834-D10	1/5/05	35.14	983.04	
W-834-D10	4/9/05	34.68	983.5	
W-834-D10	7/1/05	33.86	984.32	
W-834-D10	10/18/05	34.1	984.08	
W-834-D11	1/5/05	14.14	1003.4	
W-834-D11	4/9/05	21.37	996.17	
W-834-D11	7/1/05	24.15	993.39	
W-834-D11	10/18/05	24.3	993.24	
W-834-D12	1/5/05	28.81	987.48	PUMPING
W-834-D12	4/9/05	29.04	987.25	
W-834-D12	7/1/05	29.39	986.9	VE
W-834-D12	10/18/05	29.45	986.84	VE
W-834-D13	1/5/05	28.98	989.01	PUMPING
W-834-D13	4/9/05	28.5	989.49	
W-834-D13	7/1/05	-	-	VE/DRY
W-834-D13	10/18/05	29.2	988.79	VE
W-834-D14	1/5/05	29.36	989.01	
W-834-D14	4/9/05	25.87	992.5	
W-834-D14	7/1/05	29.93	988.44	
W-834-D14	10/18/05	30.84	987.53	
W-834-D15	1/5/05	24.2	993.96	
W-834-D15	4/9/05	20.12	998.04	
W-834-D15	7/1/05	22.38	995.78	
W-834-D15	10/18/05	22.3	995.86	
W-834-D16	1/5/05	-	-	DRY
W-834-D16	4/9/05	-	-	DRY
W-834-D16	7/1/05	-	-	DRY
W-834-D16	10/18/05	-	-	DRY
W-834-D17	1/5/05	-	-	DRY
W-834-D17	4/9/05	31.65	985.57	
W-834-D17	7/1/05	33.42	983.8	
W-834-D17	10/18/05	-	-	DRY
W-834-D18	1/5/05	27.22	991.24	
W-834-D18	4/9/05	22.21	996.25	
W-834-D18	7/1/05	23.11	995.35	

C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-D18	10/18/05	24.64	993.82	
W-834-D2	1/5/05	-	-	DRY
W-834-D2	4/9/05	-	-	DRY
W-834-D2	7/18/05	-	-	DRY
W-834-D2	10/13/05	-	-	DRY
W-834-D3	1/5/05	27.38	991.17	
W-834-D3	4/9/05	22.66	995.89	
W-834-D3	7/1/05	25.04	993.51	
W-834-D3	10/18/05	26.65	991.9	
W-834-D4	1/5/05	28.44	989.92	PUMPING
W-834-D4	4/9/05	33.52	984.84	
W-834-D4	7/1/05	-	-	VE/DRY
W-834-D4	10/18/05	35.4	982.96	
W-834-D5	1/5/05	29.32	989.15	PUMPING
W-834-D5	4/9/05	25.04	993.43	
W-834-D5	7/1/05	29.44	989.03	VE
W-834-D5	10/18/05	30.75	987.72	
W-834-D6	1/5/05	29.82	988.46	PUMPING
W-834-D6	4/9/05	-	-	DRY
W-834-D6	7/1/05	34.12	984.16	VE
W-834-D6	10/18/05	34.25	984.03	DRY
W-834-D7	1/5/05	27.12	986.8	PUMPING
W-834-D7	4/9/05	32.06	981.86	
W-834-D7	7/1/05	32.61	981.31	VE
W-834-D7	10/18/05	32.75	981.17	
W-834-D9A	1/5/05	-	-	DRY
W-834-D9A	4/9/05	-	-	DRY
W-834-D9A	7/1/05	-	-	DRY
W-834-D9A	10/18/05	-	-	DRY
W-834-G3	1/5/05	-	-	DRY
W-834-G3	4/9/05	-	-	DRY
W-834-G3	7/1/05	-	-	DRY
W-834-G3	10/19/05	-	-	DRY
W-834-H2	1/5/05	31.93	994.84	
W-834-H2	4/9/05	30.74	996.03	
W-834-H2	7/1/05	29.82	996.95	
W-834-H2	10/18/05	30.7	996.07	
W-834-J1	1/5/05	30.74	991.71	PUMPING
W-834-J1	4/9/05	29.83	992.62	
W-834-J1	7/1/05	30.65	991.8	VE
W-834-J1	10/19/05	30.8	991.65	VE
W-834-J2	1/5/05	31.93	990.92	
W-834-J2	4/9/05	29.62	993.23	
W-834-J2	7/1/05	31.09	991.76	
W-834-J2	10/19/05	33.5	989.35	
W-834-J3	1/5/05	75.3	963.13	
W-834-J3	4/9/05	75.29	963.14	MUD
W-834-J3	7/1/05	75.23	963.2	MUD
W-834-J3	10/18/05	75.1	963.33	MUD
W-834-K1A	1/6/05	-	-	DRY

C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-K1A	4/9/05	29.98	968.06	MUD
W-834-K1A	7/1/05	29.68	968.36	
W-834-K1A	10/18/05	30.35	967.69	
W-834-M1	1/5/05	61.66	962.85	
W-834-M1	4/9/05	61.61	962.9	
W-834-M1	7/1/05	61.09	963.42	
W-834-M1	10/18/05	60.85	963.66	
W-834-M2	1/21/05	-	-	DRY
W-834-M2	4/15/05	-	-	DRY
W-834-M2	7/1/05	-	-	DRY
W-834-M2	10/13/05	-	-	DRY
W-834-S1	1/4/05	33.89	968.19	PUMPING
W-834-S1	4/15/05	34.86	967.22	
W-834-S1	7/1/05	35.13	966.95	
W-834-S1	10/18/05	35.05	967.03	
W-834-S10	1/5/05	-	-	DRY
W-834-S10	4/15/05	-	-	DRY
W-834-S10	7/1/05	-	-	DRY
W-834-S10	10/18/05	-	-	DRY
W-834-S12A	1/6/05	51.42	953.31	
W-834-S12A	4/15/05	-	-	DRY
W-834-S12A	7/1/05	50.73	954	
W-834-S12A	10/18/05	50.68	954.05	
W-834-S13	1/6/05	47.03	955.7	
W-834-S13	4/15/05	46.98	955.75	
W-834-S13	7/1/05	46.88	955.85	
W-834-S13	10/18/05	47.05	955.68	
W-834-S4	1/4/05	78.45	947.5	
W-834-S4	4/9/05	78.55	947.4	
W-834-S4	7/1/05	78.55	947.4	
W-834-S4	10/18/05	78.45	947.5	
W-834-S5	1/21/05	-	-	DRY
W-834-S5	4/15/05	-	-	DRY
W-834-S5	7/1/05	-	-	DRY
W-834-S5	10/13/05	-	-	DRY
W-834-S6	1/5/05	32.93	896.49	
W-834-S6	4/15/05	32.72	896.7	
W-834-S6	7/1/05	32.12	897.3	
W-834-S6	10/13/05	32.21	897.21	
W-834-S7	1/21/05	48.55	890.02	
W-834-S7	4/15/05	48.58	889.99	
W-834-S7	7/1/05	48.65	889.92	
W-834-S7	10/13/05	48.95	889.62	
W-834-S8	1/6/05	57.41	945.31	
W-834-S8	4/15/05	55.36	947.36	
W-834-S8	7/1/05	54.36	948.36	
W-834-S8	10/18/05	54.84	947.88	
W-834-S9	1/4/05	55.44	945.06	
W-834-S9	4/15/05	54.04	946.46	
W-834-S9	7/1/05	52.28	948.22	

C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-S9	10/18/05	52.76	947.74	
W-834-T1	1/4/05	314.15	644.77	
W-834-T1	4/9/05	314.29	644.63	
W-834-T1	7/1/05	313.9	645.02	
W-834-T1	10/3/05	314.02	644.9	
W-834-T11	1/15/05	-	-	DRY
W-834-T11	4/9/05	-	-	DRY
W-834-T11	7/1/05	-	-	DRY
W-834-T11	10/13/05	-	-	DRY
W-834-T2	1/4/05	40.33	917.63	
W-834-T2	4/15/05	-	-	NM/TRACER STUDY
W-834-T2	7/1/05	-	-	NM/TRACER STUDY
W-834-T2	10/13/05	39.27	918.69	
W-834-T2A	1/4/05	39.4	919.38	
W-834-T2A	4/15/05	-	-	NM/TRACER STUDY
W-834-T2A	7/1/05	-	-	NM/TRACER STUDY
W-834-T2A	10/13/05	37.83	920.95	
W-834-T2B	1/5/05	-	-	DRY
W-834-T2B	4/15/05	-	-	NM/TRACER STUDY
W-834-T2B	7/21/05	37	919.8	TRACER STUDY
W-834-T2B	10/13/05	38.05	918.75	
W-834-T2C	1/13/05	-	-	DRY
W-834-T2C	4/15/05	-	-	DRY
W-834-T2C	7/21/05	-	-	DRY
W-834-T2C	10/13/05	-	-	DRY
W-834-T2D	1/5/05	36.45	917.94	
W-834-T2D	4/15/05	-	-	NM/TRACER STUDY
W-834-T2D	7/2/05	33.67	920.72	TRACER STUDY
W-834-T2D	10/13/05	35.3	919.09	
W-834-T3	1/15/05	326.58	605.96	
W-834-T3	4/9/05	326.04	606.5	
W-834-T3	7/19/05	325.69	606.85	
W-834-T3	10/3/05	326.06	606.48	
W-834-T5	1/15/05	77	853.97	
W-834-T5	4/15/05	76.91	854.06	
W-834-T5	7/21/05	77.02	853.95	
W-834-T5	10/13/05	76.82	854.15	
W-834-T7A	1/15/05	76.4	843.48	
W-834-T7A	4/15/05	76.39	843.49	
W-834-T7A	7/21/05	76.47	843.41	
W-834-T7A	10/13/05	76.52	843.36	
W-834-T8A	1/15/05	-	-	DRY
W-834-T8A	4/15/05	-	-	DRY
W-834-T8A	7/2/05	-	-	DRY
W-834-T8A	10/13/05	-	-	DRY
W-834-T9	1/13/05	-	-	DRY
W-834-T9	4/9/05	-	-	DRY
W-834-T9	7/21/05	-	-	DRY
W-834-T9	10/13/05	-	-	DRY
W-834-U1	1/5/05	24.82	987.44	CB

C-2. Building 834 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-834-U1	4/9/05	21.91	990.35	CB
W-834-U1	7/18/05	22.35	989.91	CB
W-834-U1	10/19/05	23.65	988.61	CB

GWE-CMP2 2005 data (created 2006-03-06 14:26:39, Oracle)

C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
BC6-10	1/19/05	28.16	659.39	
BC6-10	4/15/05	28.09	659.46	
BC6-10	7/5/05	18.13	669.42	
BC6-10	10/27/05	28.05	659.5	
BC6-13	1/20/05	-	-	DRY
BC6-13	4/15/05	-	-	DRY
BC6-13	7/5/05	-	-	DRY
BC6-13	10/27/05	-	-	DRY
CARNRW1	1/13/05	24.96	653.77	
CARNRW1	4/15/05	26.32	652.41	
CARNRW1	7/14/05	27.17	651.56	
CARNRW1	10/12/05	46.75	631.98	
CARNRW3	1/13/05	32.66	670.34	
CARNRW3	4/15/05	34.57	668.43	
CARNRW3	7/5/05	33.93	669.07	
CARNRW3	10/12/05	34.64	668.36	
CARNRW4	1/3/05	13.39	638.36	
CARNRW4	4/15/05	5.55	646.2	
CARNRW4	7/5/05	8.7	643.05	
CARNRW4	10/12/05	12.53	639.22	
EP6-06	1/19/05	34.51	653.6	
EP6-06	4/15/05	29.66	658.45	
EP6-06	7/5/05	28.4	659.71	
EP6-07	1/20/05	48.75	658.8	
EP6-07	4/15/05	49.91	657.64	
EP6-07	7/5/05	49.52	658.03	
EP6-07	10/27/05	51.3	656.25	
EP6-08	1/20/05	49.89	658.52	
EP6-08	4/15/05	51.03	657.38	
EP6-08	7/5/05	50.5	657.91	
EP6-09	1/19/05	30.62	663.66	
EP6-09	4/15/05	29.5	664.78	
EP6-09	7/5/05	29.2	665.08	
K6-01	1/19/05	27.93	663.68	
K6-01	4/15/05	27.78	663.83	
K6-01	7/5/05	26.6	665.01	
K6-01	10/27/05	26.85	664.76	
K6-01S	1/19/05	28.95	663.57	
K6-01S	4/15/05	26.78	665.74	
K6-01S	7/5/05	27.63	664.89	
K6-03	1/20/05	67.86	658.89	
K6-03	4/15/05	69.13	657.62	
K6-03	7/5/05	68.6	658.15	
K6-03	10/27/05	70.45	656.3	
K6-04	1/20/05	49.09	659.23	
K6-04	4/15/05	50.36	657.96	

C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K6-04	7/5/05	49.6	658.72	
K6-04	10/27/05	51.15	657.17	
K6-14	1/18/05	22.57	658.3	
K6-14	4/15/05	20.18	660.69	
K6-14	7/5/05	21.35	659.52	
K6-14	10/27/05	22.6	658.27	
K6-15	1/20/05	-	-	DRY
K6-15	4/15/05	-	-	DRY
K6-15	7/5/05	-	-	DRY
K6-15	10/27/05	-	-	DRY
K6-16	1/18/05	17.36	662.09	
K6-16	4/15/05	17.58	661.87	
K6-16	7/5/05	18.16	661.29	
K6-16	10/27/05	18.75	660.7	
K6-17	1/18/05	18.26	660.45	
K6-17	4/15/05	17.75	660.96	
K6-17	7/5/05	19.05	659.66	
K6-17	10/12/05	21.96	656.75	
K6-18	1/20/05	26.47	659.13	
K6-18	4/15/05	24.62	660.98	
K6-18	7/5/05	24.7	660.9	
K6-18	10/27/05	25.18	660.42	
K6-19	1/18/05	29.8	663.24	
K6-19	4/15/05	29	664.04	
K6-19	7/5/05	28.9	664.14	
K6-21	1/19/05	-	-	DRY
K6-21	4/15/05	-	-	DRY
K6-21	7/5/05	-	-	DRY
K6-21	10/27/05	-	-	DRY
K6-22	1/19/05	-	-	DRY
K6-22	4/15/05	34.68	646.85	
K6-22	7/5/05	34.35	647.18	
K6-22	10/12/05	34.1	647.43	
K6-23	1/19/05	22.94	658.05	
K6-23	4/15/05	23.14	657.85	
K6-23	7/5/05	23.5	657.49	
K6-23	10/27/05	24.03	656.96	
K6-24	1/20/05	28.82	658.11	
K6-24	4/15/05	30.06	656.87	
K6-24	7/5/05	29.55	657.38	
K6-24	10/27/05	31.47	655.46	
K6-25	1/18/05	18.52	661.23	
K6-25	4/15/05	18.37	661.38	
K6-25	7/5/05	18.75	661	
K6-25	10/27/05	19	660.75	
K6-26	1/20/05	28.05	659.28	

C-3. Pit 6 Landfill OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K6-26	4/15/05	30.01	657.32	
K6-26	7/5/05	29.58	657.75	
K6-26	10/27/05	31.33	656	
K6-27	1/20/05	29.84	657.35	
K6-27	4/15/05	30.95	656.24	
K6-27	7/5/05	30.5	656.69	
K6-27	10/27/05	32.4	654.79	
K6-32	1/20/05	69.91	659.55	
K6-32	4/15/05	71.07	658.39	
K6-32	7/5/05	70.55	658.91	
K6-32	10/27/05	72.05	657.41	
K6-33	1/19/05	28.29	653.95	
K6-33	4/15/05	28.72	653.52	
K6-33	7/5/05	29.85	652.39	
K6-33	10/27/05	31.65	650.59	
K6-34	1/19/05	48.81	654.47	
K6-34	4/15/05	49.34	653.94	
K6-34	7/5/05	52.55	650.73	
K6-34	10/12/05	52.69	650.59	
K6-35	1/20/05	34.32	659.68	
K6-35	4/15/05	35.44	658.56	
K6-35	7/5/05	35	659	
K6-35	10/27/05	36.85	657.15	
K6-36	1/20/05	31.81	658.19	CB
K6-36	4/15/05	32.89	657.11	CB
K6-36	7/5/05	32.45	657.55	CB
K6-36	10/27/05	34.25	655.75	CB
W-33C-01	1/3/05	17.14	635.37	
W-33C-01	4/15/05	8.45	644.06	
W-33C-01	7/5/05	11.73	640.78	
W-33C-01	10/24/05	17.5	635.01	
W-34-01	1/24/05	7.86	676.6	
W-34-01	4/15/05	7.81	676.65	
W-34-01	7/5/05	7.98	676.48	
W-34-01	10/27/05	8	676.46	
W-34-02	1/24/05	26.57	658.29	
W-34-02	4/15/05	27.38	657.48	
W-34-02	7/5/05	27.35	657.51	
W-34-02	10/27/05	28.4	656.46	
W-PIT6-1819	1/19/05	62.75	653.12	
W-PIT6-1819	4/15/05	63.26	652.61	

GWE-CMP3 2005 data (created 2006-03-06 14:26:45, Oracle)

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-35B-01	1/14/05	18.42	504.6	
W-35B-01	4/19/05	13.23	509.79	
W-35B-01	7/6/05	15.8	507.22	
W-35B-01	10/18/05	18.9	504.12	
W-35B-02	1/14/05	18.33	504.7	
W-35B-02	4/19/05	12.15	510.88	
W-35B-02	7/6/05	14.91	508.12	
W-35B-02	10/18/05	18.11	504.92	
W-35B-03	1/14/05	16.45	506.65	
W-35B-03	4/19/05	11.97	511.13	
W-35B-03	7/6/05	14.61	508.49	
W-35B-03	10/18/05	17.14	505.96	
W-35B-04	1/14/05	-	-	FL
W-35B-04	4/19/05	4.67	524.29	
W-35B-04	7/6/05	10.02	518.94	
W-35B-04	10/18/05	11.14	517.82	
W-35B-05	1/14/05	-	-	FL
W-35B-05	4/19/05	4.21	524.52	
W-35B-05	7/6/05	10.03	518.7	
W-35B-05	10/18/05	11.13	517.6	
W-35C-01	1/21/05	-	-	FL
W-35C-01	4/8/05	-	-	FL
W-35C-01	7/6/05	-	-	FL
W-35C-01	10/24/05	-	-	FL
W-35C-02	1/5/05	33.67	539.13	
W-35C-02	4/8/05	35.5	537.3	
W-35C-02	7/2/05	58.33	514.47	
W-35C-02	10/20/05	61.8	511	
W-35C-04	1/5/05	-	-	FL
W-35C-04	4/9/05	-	-	FL
W-35C-04	7/2/05	-	-	FL
W-35C-04	10/4/05	-	-	FL
W-35C-05	1/5/05	23.46	508.49	
W-35C-05	4/9/05	22.69	509.26	
W-35C-05	7/2/05	19.81	512.14	
W-35C-05	10/4/05	21.03	510.92	
W-35C-06	1/5/05	25.69	506.23	
W-35C-06	4/9/05	17.74	514.18	
W-35C-06	7/2/05	19.92	512	
W-35C-06	10/4/05	23.85	508.07	
W-35C-07	1/5/05	-	-	FL
W-35C-07	4/9/05	-	-	FL
W-35C-07	7/2/05	1.84	530.48	
W-35C-07	10/4/05	5.25	527.07	
W-35C-08	1/5/05	25.04	507.25	
W-35C-08	4/9/05	17.85	514.44	
W-35C-08	7/2/05	19.34	512.95	
W-35C-08	10/4/05	22.93	509.36	
W-4A	1/25/05	1.49	528.98	

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-4A	4/21/05	3.54	526.93	
W-4A	7/18/05	6.4	524.07	
W-4A	10/26/05	2.45	528.02	
W-4AS	1/25/05	7.15	524.5	
W-4AS	4/21/05	6.72	524.93	
W-4AS	7/18/05	8.55	523.1	
W-4AS	10/26/05	9	522.65	
W-4B	1/12/05	-	-	FL
W-4B	4/9/05	0.86	529.48	
W-4B	7/2/05	1.25	529.09	
W-4B	10/4/05	6.45	523.89	
W-4C	1/12/05	7.97	521.81	
W-4C	4/9/05	6.31	523.47	
W-4C	7/2/05	7.87	521.91	
W-4C	10/4/05	15.75	514.03	
W-6BD	1/25/05	23.85	509.42	
W-6BD	4/21/05	16.85	516.42	
W-6BD	7/18/05	19.75	513.52	
W-6BD	10/26/05	23.25	510.02	
W-6BS	1/25/05	23.79	509.44	
W-6BS	4/21/05	16.75	516.48	
W-6BS	7/18/05	19.65	513.58	
W-6BS	10/26/05	23.1	510.13	
W-6CD	1/5/05	28.59	551.45	
W-6CD	4/8/05	28.99	551.05	
W-6CD	7/2/05	29.67	550.37	
W-6CD	10/20/05	29.95	550.09	
W-6CI	1/5/05	27.85	552.66	
W-6CI	4/8/05	30.03	550.48	
W-6CI	7/2/05	29.64	550.87	
W-6CI	10/20/05	30.75	549.76	
W-6CS	1/5/05	27.11	552.57	
W-6CS	4/8/05	25.56	554.12	
W-6CS	7/2/05	28.97	550.71	
W-6CS	10/20/05	30.05	549.63	
W-6EI	1/10/05	-	-	FL
W-6EI	4/9/05	-	-	FL
W-6EI	7/2/05	4.65	526.67	
W-6EI	10/4/05	6.13	525.19	
W-6ER	1/10/05	-	-	FL
W-6ER	4/9/05	-	-	FL
W-6ER	7/2/05	-	-	FL
W-6ER	10/4/05	-	-	NM
W-6ES	1/10/05	25.46	506.03	
W-6ES	4/9/05	17.71	513.78	
W-6ES	7/2/05	19.95	511.54	
W-6ES	10/4/05	23.68	507.81	
W-6F	1/5/05	58.56	560.3	
W-6F	4/8/05	58.68	560.18	

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-6F	7/2/05	58.83	560.03	
W-6F	10/20/05	60.37	558.49	
W-6G	1/5/05	58.98	560.94	
W-6G	4/8/05	68.82	551.1	
W-6G	7/2/05	57.17	562.75	
W-6G	10/20/05	60.65	559.27	
W-6H	1/21/05	5.57	555.77	
W-6H	4/8/05	8.53	552.81	
W-6H	7/2/05	7.8	553.54	
W-6H	10/5/05	8.97	552.37	
W-6I	1/21/05	25.17	536.12	
W-6I	4/8/05	23.71	537.58	
W-6I	7/2/05	27.96	533.33	
W-6I	10/27/05	29.02	532.27	
W-6J	1/21/05	6.09	553.27	
W-6J	4/8/05	9.43	549.93	
W-6J	7/2/05	8.33	551.03	
W-6J	10/5/05	9.54	549.82	
W-6K	1/3/05	-	-	FL
W-6K	4/9/05	-	-	FL
W-6K	7/2/05	1.8	531.73	
W-6K	10/4/05	3.4	530.13	
W-6L	1/3/05	-	-	FL
W-6L	4/9/05	-	-	FL
W-6L	7/2/05	-	-	FL
W-6L	10/4/05	2.32	530.78	
W-806-06A	1/24/05	124.49	696.82	
W-806-06A	4/1/05	124.12	697.19	
W-806-06A	7/6/05	-	-	NM/FIREHAZARD
W-806-06A	10/19/05	124.82	696.49	
W-806-07	1/24/05	-	-	DRY
W-806-07	4/1/05	-	-	DRY
W-806-07	7/6/05	-	-	NM/FIREHAZARD
W-806-07	10/19/05	-	-	DRY
W-808-01	1/8/05	46.6	855.41	
W-808-01	4/1/05	45.88	856.13	
W-808-01	7/1/05	46.3	855.71	
W-808-01	10/19/05	47.55	854.46	
W-808-02	1/8/05	-	-	DRY
W-808-02	4/1/05	-	-	DRY
W-808-02	7/1/05	-	-	DRY
W-808-02	10/19/05	-	-	DRY
W-808-03	1/8/05	295.23	607.66	
W-808-03	4/1/05	295.6	607.29	
W-808-03	7/28/05	-	-	NM/NO ACCESS
W-808-03	10/3/05	295.8	607.09	
W-809-01	1/8/05	67.99	722.24	
W-809-01	4/1/05	67.95	722.28	
W-809-01	7/1/05	67.5	722.73	

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-809-01	10/19/05	67.55	722.68	
W-809-02	1/8/05	139.89	651.93	
W-809-02	4/1/05	140.35	651.47	
W-809-02	7/1/05	140.15	651.67	
W-809-02	10/19/05	140.6	651.22	
W-809-03	1/8/05	105.37	640.7	
W-809-03	4/1/05	105.6	640.47	
W-809-03	7/1/05	105.13	640.94	
W-809-03	10/19/05	109	637.07	
W-809-04	1/8/05	58.58	717.47	
W-809-04	4/1/05	69.3	706.75	
W-809-04	7/1/05	75.7	700.35	
W-809-04	10/19/05	-	-	NM
W-810-01	1/24/05	237.57	603.46	
W-810-01	4/1/05	237.35	603.68	
W-810-01	7/1/05	239.3	601.73	
W-810-01	10/19/05	238.9	602.13	
W-814-01	1/25/05	109.18	699.65	
W-814-01	4/15/05	109.61	699.22	
W-814-01	7/2/05	110	698.83	
W-814-01	10/19/05	110.45	698.38	
W-814-02	1/25/05	163.26	630.42	
W-814-02	4/15/05	163.22	630.46	
W-814-02	7/2/05	163.11	630.57	
W-814-02	10/19/05	164.1	629.58	
W-814-03	1/3/05	-	-	DRY
W-814-03	4/15/05	-	-	DRY
W-814-03	7/2/05	-	-	DRY
W-814-03	10/19/05	-	-	DRY
W-814-04	1/3/05	234.12	580.57	
W-814-04	4/15/05	232.7	581.99	
W-814-04	7/2/05	232.27	582.42	
W-814-04	10/19/05	232.75	581.94	
W-815-01	1/8/05	-	-	DRY
W-815-01	4/1/05	-	-	DRY
W-815-01	7/1/05	-	-	DRY
W-815-01	10/19/05	-	-	DRY
W-815-03	1/8/05	-	-	DRY
W-815-03	4/1/05	-	-	DRY
W-815-03	7/1/05	-	-	DRY
W-815-03	10/19/05	-	-	DRY
W-815-04	1/8/05	85.87	636.78	
W-815-04	4/1/05	85.09	637.56	
W-815-04	7/1/05	85	637.65	
W-815-04	10/19/05	86.25	636.4	
W-815-05	1/8/05	30.92	681.29	
W-815-05	4/1/05	26.85	685.36	
W-815-05	7/1/05	30.65	681.56	
W-815-05	10/19/05	33.45	678.76	

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-815-06	1/26/05	132.17	623.81	
W-815-06	4/15/05	132.15	623.83	
W-815-06	7/2/05	132.08	623.9	
W-815-06	10/19/05	132.95	623.03	
W-815-07	1/26/05	140.24	622.43	
W-815-07	4/15/05	140.31	622.36	
W-815-07	7/2/05	140.18	622.49	
W-815-07	10/19/05	141	621.67	
W-815-08	1/8/05	124.09	599.7	
W-815-08	4/1/05	123.95	599.84	
W-815-08	7/1/05	127.3	596.49	
W-815-08	10/12/05	126.24	597.55	
W-815-1918	1/8/05	106.79	636.82	
W-815-1918	4/1/05	106.5	637.11	
W-815-1918	7/1/05	106.17	637.44	
W-815-1918	10/19/05	107.1	636.51	
W-815-1928	1/8/05	-	-	DRY
W-815-1928	4/1/05	28.1	715.95	
W-815-1928	7/1/05	27.8	716.25	
W-815-1928	10/19/05	26.8	717.25	
W-817-02	1/26/05	114.62	587.14	
W-817-02	4/1/05	114.55	587.21	
W-817-02	7/1/05	-	-	NM
W-817-03	1/8/05	100.89	573.02	
W-817-03	4/1/05	100.53	573.38	
W-817-03	7/19/05	101.25	572.66	
W-817-03	10/11/05	113.4	560.51	
W-817-03A	1/8/05	8.29	669.71	
W-817-03A	4/1/05	6.33	671.67	
W-817-03A	7/1/05	6	672	
W-817-03A	10/19/05	6.8	671.2	
W-817-04	1/8/05	76.48	606.71	
W-817-04	4/1/05	76.95	606.24	
W-817-04	7/1/05	-	-	NM
W-817-05	1/26/05	128.63	635.7	
W-817-05	4/1/05	128.85	635.48	
W-817-05	7/1/05	128.45	635.88	
W-817-05	10/19/05	128.85	635.48	
W-817-06A	1/26/05	103.87	664.59	
W-817-06A	4/1/05	95.7	672.76	
W-817-06A	7/1/05	94.9	673.56	
W-817-06A	10/19/05	98.8	669.66	
W-817-07	1/8/05	95.43	572.52	
W-817-07	4/1/05	94.85	573.1	
W-817-07	7/1/05	95.1	572.85	
W-817-07	10/19/05	96.52	571.43	
W-818-01	1/26/05	96.26	584.51	
W-818-01	4/15/05	96.46	584.31	
W-818-01	7/2/05	96.31	584.46	

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-818-01	10/19/05	96.9	583.87	
W-818-03	1/26/05	53.68	545.19	
W-818-03	4/22/05	54.75	544.12	
W-818-03	7/7/05	56.47	542.4	
W-818-03	10/20/05	57.2	541.67	
W-818-04	1/3/05	63.46	550.6	
W-818-04	4/9/05	63.76	550.3	
W-818-04	10/20/05	65.22	548.84	
W-818-06	1/3/05	67.12	546.4	
W-818-06	4/9/05	68.13	545.39	
W-818-06	7/1/05	68.13	545.39	
W-818-06	10/20/05	70.63	542.89	
W-818-07	1/3/05	67.23	546.98	
W-818-07	4/9/05	68.26	545.95	
W-818-07	7/1/05	69.53	544.68	
W-818-07	10/20/05	70.65	543.56	
W-818-08	1/3/05	88.9	560	
W-818-08	4/9/05	101.9	547	
W-818-08	7/2/05	103.6	545.3	
W-818-08	10/19/05	103.35	545.55	
W-818-09	1/3/05	86.1	554.8	
W-818-09	4/9/05	112.7	528.2	
W-818-09	7/2/05	102.2	538.7	
W-818-09	10/19/05	105.8	535.1	
W-818-11	1/26/05	149.79	597.9	
W-818-11	4/15/05	150.32	597.37	
W-818-11	7/2/05	150.06	597.63	
W-818-11	10/19/05	150.8	596.89	
W-819-02	1/3/05	224.71	597.41	
W-819-02	4/22/05	224.51	597.61	
W-819-02	7/2/05	227.07	595.05	
W-819-02	10/19/05	227.2	594.92	
W-823-01	1/21/05	16.92	574.33	
W-823-01	4/8/05	17.28	573.97	
W-823-01	7/2/05	19.19	572.06	
W-823-01	10/27/05	19.7	571.55	
W-823-02	1/21/05	16.08	574.3	
W-823-02	4/8/05	16.3	574.08	
W-823-02	7/2/05	18.36	572.02	
W-823-02	10/27/05	18.86	571.52	
W-823-03	1/21/05	15.86	574.16	
W-823-03	4/8/05	15.88	574.14	
W-823-03	7/2/05	17.04	572.98	
W-823-03	10/27/05	18	572.02	
W-823-13	1/21/05	49.53	572.71	
W-823-13	4/8/05	49.23	573.01	
W-823-13	7/2/05	50.12	572.12	
W-823-13	10/27/05	51.05	571.19	
W-827-01	1/25/05	-	-	DRY

C-4. High Explosive Process Area OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-827-01	4/22/05	-	-	DRY
W-827-01	7/18/05	-	-	DRY
W-827-01	10/20/05	-	-	DRY
W-827-02	1/25/05	57.33	865.52	
W-827-02	4/22/05	57.58	865.27	
W-827-02	7/18/05	57.5	865.35	
W-827-02	10/20/05	56	866.85	
W-827-03	1/25/05	193.49	730.91	
W-827-03	4/22/05	107.23	817.17	
W-827-03	7/18/05	193.95	730.45	
W-827-03	10/20/05	195.53	728.87	
W-827-04	1/25/05	-	-	DRY
W-827-04	4/22/05	-	-	DRY
W-827-04	7/18/05	-	-	DRY
W-827-04	10/13/05	-	-	DRY
W-827-05	1/25/05	382.68	651.2	
W-827-05	4/22/05	382.56	651.32	
W-827-05	7/18/05	382.68	651.2	
W-827-05	10/13/05	382.55	651.33	
W-829-06	1/25/05	96.09	976.2	
W-829-06	4/9/05	96.3	975.99	
W-829-06	7/18/05	96.35	975.94	
W-829-06	10/20/05	-	-	NM
W-829-08	1/25/05	97.89	976.86	
W-829-08	4/9/05	99.86	974.89	
W-829-08	7/18/05	98.28	976.47	
W-829-08	10/20/05	98.11	976.64	
W-829-15	1/25/05	337.11	696.89	
W-829-15	4/9/05	337.08	696.92	
W-829-15	7/18/05	337.1	696.9	
W-829-15	10/20/05	337.38	696.62	
W-829-1938	1/25/05	375.89	704.11	
W-829-1938	4/19/05	374.86	705.14	
W-829-1938	7/18/05	374.65	705.35	
W-829-1940	1/25/05	109.69	968.6	
W-829-1940	4/22/05	107.73	970.56	
W-829-1940	7/18/05	107.77	970.52	
W-829-22	1/25/05	399.96	653.11	
W-829-22	4/9/05	374.86	678.21	
W-829-22	7/18/05	400.05	653.02	
W-829-22	10/20/05	399.95	653.12	
WELL18	1/3/05	-	-	FL
WELL18	4/13/05	-	-	FL
WELL18	7/18/05	-	-	FL
WELL18	10/12/05	-	-	FL

GWE-CMP4 2005 data (created 2006-03-06 14:26:50, Oracle)

C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K1-01C	1/15/05	102.8	978.42	
K1-01C	4/12/05	102.51	978.71	
K1-01C	7/5/05	102.12	979.1	
K1-02B	1/15/05	131.2	976.03	
K1-02B	4/11/05	131.08	976.15	
K1-02B	7/6/05	130.65	976.58	
K1-03	1/15/05	134	974.05	
K1-03	4/13/05	134.06	973.99	
K1-03	7/7/05	133.43	974.62	
K1-04	1/15/05	153	969.67	
K1-04	4/12/05	152.82	969.85	
K1-04	7/7/05	152.54	970.13	
K1-05	1/15/05	168.35	962.51	
K1-05	4/13/05	168.48	962.38	
K1-05	7/7/05	167.76	963.1	
K1-06	1/15/05	111.8	977.74	
K1-06	4/2/05	111.67	977.87	
K1-06	7/7/05	111.43	978.11	
K1-06	10/31/05	111.8	977.74	
K1-07	1/15/05	137.3	972.33	
K1-07	4/6/05	137.56	972.07	
K1-07	7/6/05	137.05	972.58	
K1-08	1/15/05	151.9	970.84	
K1-08	4/6/05	151.76	970.98	
K1-08	7/6/05	150.92	971.82	
K1-09	1/15/05	-	-	NM
K1-09	4/6/05	157.7	968.98	
K1-09	7/6/05	-	-	NM
K2-03	1/5/05	50.74	1015.9	
K2-03	4/2/05	49.35	1017.29	
K2-03	7/5/05	48.85	1017.79	
K2-03	10/5/05	49.72	1016.92	
K2-04D	1/8/05	24.17	1068.35	
K2-04D	4/2/05	20.53	1071.99	
K2-04D	7/1/05	21.45	1071.07	
K2-04D	10/5/05	24.5	1068.02	
K2-04S	1/8/05	22.71	1069.24	
K2-04S	4/2/05	19	1072.95	
K2-04S	7/1/05	22.26	1069.69	
K2-04S	10/5/05	23.24	1068.71	
NC2-05	1/15/05	48.65	986.26	
NC2-05	4/2/05	46.6	988.31	
NC2-05	7/1/05	46.59	988.32	
NC2-05	10/5/05	47.32	987.59	
NC2-05A	1/15/05	47.9	987.53	
NC2-05A	4/2/05	47.67	987.76	
NC2-05A	7/1/05	47.52	987.91	
NC2-05A	10/5/05	48.13	987.3	

C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC2-06	1/15/05	46.3	987.24	
NC2-06	4/2/05	45.55	987.99	
NC2-06	7/13/05	45.27	988.27	
NC2-06	10/5/05	45.74	987.8	
NC2-06A	1/15/05	47	987.23	
NC2-06A	4/2/05	46.32	987.91	
NC2-06A	7/13/05	46.02	988.21	
NC2-06A	10/5/05	46.55	987.68	
NC2-09	1/15/05	-	-	NM
NC2-09	4/2/05	47.45	988.02	
NC2-09	7/1/05	47.1	988.37	
NC2-09	10/5/05	47.8	987.67	
NC2-10	1/8/05	61.63	979.08	
NC2-10	4/2/05	61.2	979.51	
NC2-10	7/5/05	61.22	979.49	
NC2-10	10/5/05	61.65	979.06	
NC2-11D	1/5/05	48.72	979.9	
NC2-11D	4/2/05	47.3	981.32	
NC2-11D	7/5/05	48.17	980.45	
NC2-11D	10/4/05	48.85	979.77	
NC2-11I	1/5/05	48.94	979.82	
NC2-11I	4/2/05	47.52	981.24	
NC2-11I	7/5/05	48.42	980.34	
NC2-11I	10/5/05	49.08	979.68	
NC2-11S	1/5/05	48.64	979.88	
NC2-11S	4/2/05	47.82	980.7	
NC2-11S	7/5/05	48.12	980.4	
NC2-11S	10/5/05	48.82	979.7	
NC2-12D	7/5/05	47.12	981.32	
NC2-12I	7/5/05	47.32	981.43	
NC2-12S	1/8/05	47.57	980.95	
NC2-12S	4/2/05	46.75	981.77	
NC2-12S	7/5/05	47.02	981.5	
NC2-12S	10/5/05	47.69	980.83	
NC2-13	1/15/05	40.6	980.9	
NC2-13	4/2/05	39.45	982.05	
NC2-13	7/13/05	40.55	980.95	
NC2-13	10/5/05	41.12	980.38	
NC2-14S	1/15/05	13.75	1060.15	
NC2-14S	4/2/05	12	1061.9	
NC2-14S	7/1/05	12.4	1061.5	
NC2-14S	10/5/05	14.31	1059.59	
NC2-15	1/15/05	76.95	996.51	
NC2-15	4/2/05	75.45	998.01	
NC2-15	7/13/05	74.5	998.96	
NC2-15	10/5/05	75.55	997.91	
NC2-16	1/15/05	22.25	1060.21	
NC2-16	4/2/05	20.8	1061.66	

C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC2-16	7/1/05	21.15	1061.31	
NC2-16	10/5/05	22.68	1059.78	
NC2-17	1/15/05	26.86	1062.63	
NC2-17	4/2/05	101.25	988.24	
NC2-17	7/13/05	100.92	988.57	
NC2-17	10/5/05	101.3	988.19	
NC2-18	1/15/05	72.25	1058.92	
NC2-18	4/2/05	70.1	1061.07	
NC2-18	7/13/05	70.72	1060.45	
NC2-18	10/5/05	72.16	1059.01	
NC2-19	1/15/05	108.3	984.09	
NC2-19	4/2/05	107.8	984.59	
NC2-19	7/13/05	107.85	984.54	
NC2-19	10/5/05	108.28	984.11	
NC2-20	1/15/05	33.9	968.37	
NC2-20	4/2/05	32.2	970.07	
NC2-20	7/1/05	32.96	969.31	
NC2-20	10/6/05	33.95	968.32	
NC2-21	1/15/05	33.68	968.46	
NC2-21	4/2/05	31.8	970.34	
NC2-21	7/1/05	32.58	969.56	
NC2-21	10/6/05	33.62	968.52	
NC7-10	1/14/05	9.07	1217.23	
NC7-10	4/1/05	8.76	1217.54	
NC7-10	7/1/05	9.6	1216.7	
NC7-10	10/6/05	9.85	1216.45	
NC7-11	1/14/05	19.45	1224.94	
NC7-11	4/1/05	18.7	1225.69	
NC7-11	7/1/05	20.24	1224.15	
NC7-11	10/6/05	20.45	1223.94	
NC7-14	1/7/05	28.91	1228.08	
NC7-14	4/1/05	27.98	1229.01	
NC7-14	7/1/05	28.85	1228.14	
NC7-14	10/6/05	-	-	DRY
NC7-15	1/8/05	21.28	1248.13	
NC7-15	4/2/05	19.4	1250.01	
NC7-15	7/1/05	20.92	1248.49	
NC7-15	10/6/05	21.56	1247.85	
NC7-19	1/14/05	21.12	1241.86	
NC7-19	4/4/05	19.76	1243.22	
NC7-19	7/1/05	21.16	1241.82	
NC7-19	10/6/05	21.65	1241.33	
NC7-27	1/21/05	86.1	1196.3	
NC7-27	4/1/05	85.54	1196.86	
NC7-27	7/1/05	86.5	1195.9	
NC7-27	10/6/05	86.54	1195.86	
NC7-28	1/8/05	39.99	1259.54	
NC7-28	4/1/05	39.14	1260.39	

C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-28	7/1/05	40.57	1258.96	
NC7-28	10/6/05	40.81	1258.72	
NC7-29	1/8/05	53.2	1201.54	
NC7-29	4/1/05	52.49	1202.25	
NC7-29	7/1/05	51.87	1202.87	
NC7-29	10/10/05	52.28	1202.46	
NC7-43	1/8/05	45.12	1245.06	
NC7-43	4/1/05	43.8	1246.38	
NC7-43	7/1/05	45.34	1244.84	
NC7-43	10/6/05	45.85	1244.33	
NC7-44	1/21/05	32.75	1323.38	
NC7-44	4/1/05	32.77	1323.36	
NC7-44	7/1/05	32.63	1323.5	
NC7-44	10/6/05	32.93	1323.2	
NC7-45	1/14/05	32.98	1155.71	
NC7-45	4/1/05	32.3	1156.39	
NC7-45	7/1/05	35.25	1153.44	
NC7-45	10/5/05	36	1152.69	
NC7-46	1/15/05	23.5	1107.93	
NC7-46	4/2/05	23.3	1108.13	
NC7-46	7/1/05	23.56	1107.87	
NC7-46	10/5/05	23.63	1107.8	
NC7-54	1/14/05	9.82	1197.43	
NC7-54	4/1/05	9.65	1197.6	
NC7-54	7/1/05	11.24	1196.01	
NC7-54	10/6/05	11.54	1195.71	
NC7-55	1/8/05	28.23	1188.91	
NC7-55	4/2/05	-	-	DRY
NC7-55	7/1/05	-	-	DRY
NC7-55	10/6/05	-	-	DRY
NC7-56	1/21/05	18	1114.17	
NC7-56	4/2/05	17	1115.17	
NC7-56	7/1/05	19.09	1113.08	
NC7-56	10/5/05	19.5	1112.67	
NC7-57	1/15/05	-	-	DRY
NC7-57	4/2/05	-	-	DRY
NC7-57	7/1/05	-	-	DRY
NC7-57	10/5/05	-	-	DRY
NC7-58	1/15/05	21.35	1085.38	
NC7-58	4/2/05	18.85	1087.88	
NC7-58	7/1/05	22.24	1084.49	
NC7-58	10/5/05	18.85	1087.88	
NC7-59	1/15/05	12.3	1103.46	
NC7-59	4/2/05	11.5	1104.26	
NC7-59	7/1/05	12.77	1102.99	
NC7-59	10/5/05	13.1	1102.66	
NC7-60	1/21/05	159.4	1168.22	
NC7-60	4/1/05	158.88	1168.74	

C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
NC7-60	7/1/05	159.53	1168.09	
NC7-60	10/6/05	159.1	1168.52	
NC7-61	1/8/05	48.11	1231.26	
NC7-61	4/1/05	48.96	1230.41	
NC7-61	7/1/05	48.14	1231.23	
NC7-61	10/6/05	48.33	1231.04	
NC7-62	1/15/05	21	1104.11	
NC7-62	4/2/05	19.85	1105.26	
NC7-62	7/13/05	21.75	1103.36	
NC7-62	10/5/05	22.08	1103.03	
NC7-69	1/14/05	2.64	1249.82	
NC7-69	4/1/05	2.35	1250.11	
NC7-69	7/1/05	2.12	1250.34	
NC7-69	10/6/05	2.15	1250.31	
NC7-70	1/8/05	30	1277.42	
NC7-70	4/1/05	29.84	1277.58	
NC7-70	7/1/05	31.78	1275.64	
NC7-70	10/6/05	32	1275.42	
NC7-71	1/8/05	56.02	1247.2	
NC7-71	4/1/05	55.44	1247.78	
NC7-71	7/1/05	55.91	1247.31	
NC7-71	10/6/05	56.43	1246.79	
NC7-72	1/21/05	30.55	1125.8	
NC7-72	4/2/05	29.45	1126.9	
NC7-72	7/1/05	31.55	1124.8	
NC7-72	10/5/05	31.82	1124.53	
NC7-73	1/21/05	26.15	1140.12	
NC7-73	4/2/05	25.45	1140.82	
NC7-73	7/1/05	26.96	1139.31	
NC7-73	10/5/05	27.18	1139.09	
NC7-76	1/5/05	23	1253.88	
NC7-76	4/2/05	20.22	1256.66	
NC7-76	7/1/05	21.96	1254.92	
NC7-76	10/6/05	22.83	1254.05	
W-850-05	1/8/05	28.23	1275.16	
W-850-05	4/1/05	28	1275.39	
W-850-05	7/1/05	28.82	1274.57	
W-850-05	10/6/05	29.44	1273.95	
W-865-1802	1/5/05	49.52	1017.53	
W-865-1802	4/2/05	47.9	1019.15	
W-865-1802	7/1/05	47.69	1019.36	
W-865-1802	10/4/05	48.58	1018.47	
W-865-1803	1/15/05	104.6	1073.39	
W-865-1803	4/6/05	101.71	1076.28	
W-865-1803	7/1/05	101.2	1076.79	
W-865-1803	10/4/05	103.75	1074.24	
W-PIT7-16	1/15/05	21.17	1249.83	
W-PIT7-16	4/2/05	20.81	1250.19	

C-5. Building 850 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-PIT7-16	7/1/05	20.79	1250.21	
W-PIT7-16	10/6/05	21.12	1249.88	

GWE-CMP5 2005 data (created 2006-03-06 14:27:01, Oracle)

C-6. Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-01	1/10/05	217.21	1117.23	
W-854-01	4/1/05	-	-	NM/BLDG D&D
W-854-01	7/5/05	217.4	1117.04	
W-854-01	10/12/05	217.57	1116.87	
W-854-04	1/8/05	300.14	938.24	
W-854-04	4/1/05	299.96	938.42	
W-854-04	7/5/05	299.4	938.98	
W-854-04	10/12/05	299.38	939	
W-854-05	1/8/05	89.36	1240.98	
W-854-05	4/1/05	89.33	1241.01	
W-854-05	7/5/05	89.38	1240.96	
W-854-05	10/12/05	89.5	1240.84	
W-854-06	1/21/05	117.8	990.65	
W-854-06	4/1/05	117.67	990.78	
W-854-06	7/5/05	117.75	990.7	
W-854-06	10/12/05	118.3	990.15	
W-854-07	1/21/05	117.1	991.76	
W-854-07	4/1/05	117.15	991.71	
W-854-07	7/5/05	117.15	991.71	
W-854-07	10/31/05	117.45	991.41	
W-854-08	1/8/05	119.85	1154.35	
W-854-08	4/1/05	118.5	1155.7	
W-854-08	7/5/05	118.5	1155.7	
W-854-08	10/12/05	118.7	1155.5	
W-854-09	1/10/05	-	-	NM
W-854-09	4/1/05	186.91	1172.3	
W-854-09	7/5/05	117.15	1242.06	
W-854-09	10/26/05	187.23	1171.98	
W-854-10	1/8/05	114.99	1211.39	CB
W-854-10	4/1/05	-	-	NM/CB/BLDG D&D
W-854-10	7/5/05	113.29	1213.09	CB
W-854-10	10/27/05	114.3	1212.08	CB
W-854-11	1/10/05	-	-	DRY/CB
W-854-11	4/1/05	-	-	NM/CB/BLDG D&D
W-854-11	7/1/05	-	-	NM/CB/BLDG D&D
W-854-11	10/27/05	-	-	DRY/CB
W-854-12	1/10/05	226.86	1029.93	
W-854-12	4/29/05	226.83	1029.96	
W-854-12	10/19/05	226.9	1029.89	
W-854-13	1/10/05	101.86	1155.31	
W-854-13	4/29/05	101.84	1155.33	
W-854-13	10/19/05	102.15	1155.02	
W-854-14	1/10/05	69.36	934.96	DRY/CB
W-854-14	4/1/05	69.89	934.43	CB
W-854-14	7/5/05	69.89	934.43	DRY/CB
W-854-14	10/19/05	-	-	NM/CB
W-854-15	1/8/05	75.63	1056.37	CB
W-854-15	4/1/05	75.28	1056.72	CB
W-854-15	7/5/05	74.56	1057.44	CB

C-6. Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-15	10/12/05	74.55	1057.45	CB
W-854-17	1/10/05	143.79	1190.35	
W-854-17	4/1/05	-	-	NM/BLDG D&D
W-854-17	7/5/05	141.03	1193.11	
W-854-17	10/12/05	141.56	1192.58	
W-854-1701	1/10/05	-	-	NM/NO ACCESS
W-854-1701	4/1/05	241.87	1008.45	
W-854-1701	7/5/05	241.45	1008.87	
W-854-1701	10/12/05	241.6	1008.72	
W-854-1706	1/10/05	-	-	NM/NO ACCESS
W-854-1706	4/1/05	-	-	DRY
W-854-1706	7/5/05	-	-	DRY
W-854-1706	10/27/05	-	-	DRY
W-854-1707	1/10/05	-	-	NM/NO ACCESS
W-854-1707	4/1/05	19.71	837.29	
W-854-1707	7/5/05	22.62	834.38	
W-854-1707	10/25/05	21.75	835.25	
W-854-1731	1/10/05	69.45	934.04	CB
W-854-1731	4/1/05	69.18	934.31	CB
W-854-1731	7/5/05	68.29	935.2	CB
W-854-1731	10/12/05	67.75	935.74	CB
W-854-1822	1/10/05	-	-	NM
W-854-1822	4/1/05	144.35	1037.65	
W-854-1822	7/5/05	144.4	1037.6	
W-854-1822	10/12/05	144.55	1037.45	
W-854-1823	1/10/05	53.27	1098.99	
W-854-1823	4/1/05	53.65	1098.61	
W-854-1823	7/26/05	52.92	1099.34	
W-854-1823	10/12/05	52.6	1099.66	
W-854-1834	1/21/05	-	-	DRY
W-854-1834	4/1/05	-	-	NM/BLDG D&D
W-854-1834	7/13/05	-	-	DRY/CB
W-854-1834	10/12/05	-	-	DRY/CB
W-854-1835	1/10/05	-	-	DRY
W-854-1835	4/1/05	-	-	NM/BLDG D&D
W-854-1835	7/5/05	-	-	DRY
W-854-1835	10/12/05	-	-	DRY
W-854-18A	1/10/05	141.23	1194.67	
W-854-18A	4/1/05	140.44	1195.46	
W-854-18A	7/5/05	139.47	1196.43	
W-854-18A	10/12/05	140.58	1195.32	
W-854-19	1/10/05	-	-	DRY
W-854-19	4/1/05	-	-	DRY
W-854-19	7/13/05	-	-	DRY
W-854-19	10/12/05	-	-	DRY
W-854-1902	1/10/05	-	-	NM
W-854-1902	4/1/05	146.12	1043.88	
W-854-1902	7/5/05	146.07	1043.93	
W-854-1902	10/12/05	146.3	1043.7	

C-6. Building 854 OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-854-45	1/10/05	92.82	911.18	
W-854-45	4/1/05	92.68	911.32	
W-854-45	7/5/05	92.18	911.82	
W-854-45	10/12/05	91.94	912.06	
W-854-F2	1/10/05	-	-	DRY
W-854-F2	4/1/05	-	-	DRY
W-854-F2	7/5/05	-	-	DRY
W-854-F2	10/12/05	-	-	DRY

GWE-CMP6 2005 data (created 2006-03-06 14:27:10, Oracle)

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
SPRING3	1/15/05	18.99	537.73	
SPRING3	4/8/05	4.77	551.95	
SPRING3	7/7/05	6.35	550.37	
SVI-830-031	1/6/05	23.16	669.17	CB
SVI-830-031	4/11/05	22.96	669.37	CB
SVI-830-031	7/2/05	24.3	668.03	CB
SVI-830-031	10/19/05	24.2	668.13	CB
SVI-830-032	1/6/05	-	-	DRY
SVI-830-032	4/11/05	30.41	661.99	
SVI-830-032	7/2/05	32.75	659.65	
SVI-830-032	10/19/05	33.2	659.2	
SVI-830-033	1/6/05	24.76	667.59	
SVI-830-033	4/11/05	23.44	668.91	
SVI-830-033	7/2/05	24	668.35	
SVI-830-033	10/19/05	24.55	667.8	
SVI-830-035	1/6/05	24	668.36	
SVI-830-035	4/11/05	20.15	672.21	
SVI-830-035	7/2/05	23.15	669.21	
SVI-830-035	10/19/05	23.5	668.86	
W-830-04A	1/3/05	45.5	578.6	
W-830-04A	4/9/05	43.6	580.5	
W-830-04A	7/6/05	43.4	580.7	
W-830-04A	10/17/05	43.3	580.8	
W-830-05	1/3/05	24.96	559.41	
W-830-05	4/9/05	25.24	559.13	
W-830-05	7/6/05	25.65	558.72	
W-830-05	10/17/05	25	559.37	
W-830-07	1/13/05	-	-	DRY
W-830-07	4/14/05	-	-	DRY
W-830-07	7/6/05	-	-	DRY
W-830-07	10/13/05	-	-	DRY
W-830-09	1/6/05	101.61	595.49	
W-830-09	4/11/05	100.44	596.66	
W-830-09	7/2/05	101.88	595.22	
W-830-09	10/13/05	103.15	593.95	
W-830-10	1/3/05	18.25	578.45	
W-830-10	4/9/05	29.74	566.96	
W-830-10	7/6/05	16.22	580.48	
W-830-10	10/17/05	16	580.7	
W-830-11	1/3/05	33.8	562.39	
W-830-11	4/9/05	19.94	576.25	
W-830-11	7/6/05	34.98	561.21	
W-830-11	10/17/05	33.95	562.24	
W-830-12	1/6/05	100.62	592	
W-830-12	4/11/05	98.95	593.67	
W-830-12	7/2/05	99.5	593.12	
W-830-12	10/13/05	100.65	591.97	
W-830-13	1/4/05	26.75	537.76	

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-13	4/9/05	25.71	538.8	
W-830-13	7/6/05	28.3	536.21	
W-830-13	10/17/05	27.85	536.66	
W-830-14	1/4/05	20.26	545.24	
W-830-14	4/9/05	19.74	545.76	
W-830-14	7/6/05	19.95	545.55	
W-830-14	10/17/05	20	545.5	
W-830-15	1/4/05	0.07	565.02	CB
W-830-15	4/22/05	-	-	FL/CB
W-830-15	7/6/05	-	-	FL/CB
W-830-15	10/17/05	3.85	561.24	CB
W-830-16	1/15/05	95.98	574.9	
W-830-16	4/22/05	94.17	576.71	
W-830-16	7/6/05	93.95	576.93	
W-830-16	10/17/05	94.24	576.64	
W-830-17	1/15/05	106.73	566.49	
W-830-17	4/22/05	108.67	564.55	
W-830-17	7/6/05	108.75	564.47	
W-830-17	10/17/05	108.72	564.5	
W-830-1730	1/4/05	24.64	523.06	
W-830-1730	4/9/05	24.19	523.51	
W-830-1730	7/1/05	24.42	523.28	
W-830-1730	10/3/05	24.55	523.15	
W-830-18	1/3/05	62.41	592.08	
W-830-18	4/9/05	62.85	591.64	
W-830-18	7/6/05	64	590.49	
W-830-18	10/17/05	64.5	589.99	
W-830-1807	1/6/05	-	-	NM
W-830-1807	4/11/05	-	-	NM
W-830-1807	7/2/05	41	652	
W-830-1807	10/13/05	-	-	NM
W-830-1829	1/7/05	51.7	607.3	
W-830-1829	4/14/05	50.07	608.93	
W-830-1829	7/2/05	49.8	609.2	
W-830-1829	10/13/05	50.85	608.15	
W-830-1830	1/7/05	54.97	606.03	
W-830-1830	4/11/05	52.84	608.16	
W-830-1830	7/2/05	54.4	606.6	
W-830-1830	10/13/05	54.9	606.1	
W-830-1831	1/15/05	165.98	576.73	
W-830-1831	4/22/05	165.05	577.66	
W-830-1831	7/27/05	163.7	579.01	
W-830-1831	10/17/05	163.83	578.88	
W-830-1832	1/15/05	157.28	590.59	
W-830-1832	4/22/05	157	590.87	
W-830-1832	7/27/05	158.37	589.5	
W-830-1832	10/17/05	158.95	588.92	
W-830-19	1/6/05	-	-	NM

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-19	4/9/05	-	-	NM
W-830-19	7/2/05	40.7	615.14	
W-830-19	10/13/05	42.8	613.04	
W-830-20	1/3/05	12.91	584.05	
W-830-20	4/9/05	12.76	584.2	
W-830-20	7/6/05	13.15	583.81	
W-830-20	10/17/05	14.33	582.63	
W-830-21	1/3/05	67.13	586.81	
W-830-21	4/9/05	66.83	587.11	
W-830-21	7/6/05	66.9	587.04	
W-830-21	10/17/05	66.82	587.12	
W-830-22	1/7/05	47.99	607.03	CB
W-830-22	4/14/05	46.2	608.82	CB
W-830-22	7/2/05	45.68	609.34	CB
W-830-22	10/13/05	46.55	608.47	CB
W-830-25	1/13/05	24.13	596.21	
W-830-25	4/14/05	22.1	598.24	
W-830-25	7/6/05	22.25	598.09	
W-830-25	10/17/05	22.35	597.99	
W-830-26	1/13/05	64.18	594.35	
W-830-26	4/14/05	65.17	593.36	
W-830-26	7/2/05	65.95	592.58	
W-830-26	10/13/05	66.9	591.63	
W-830-27	1/13/05	22.06	602.2	
W-830-27	4/14/05	19.17	605.09	
W-830-27	7/6/05	19.45	604.81	
W-830-27	10/17/05	19.9	604.36	
W-830-28	1/13/05	31.61	590.55	
W-830-28	4/14/05	31.71	590.45	
W-830-28	7/6/05	32.5	589.66	
W-830-28	10/17/05	-	-	NM
W-830-29	1/7/05	94.13	566.9	CB
W-830-29	4/14/05	93.38	567.65	CB
W-830-29	7/2/05	95.75	565.28	CB
W-830-29	10/13/05	99	562.03	CB
W-830-30	1/6/05	21.96	670.55	
W-830-30	4/11/05	20.28	672.23	
W-830-30	7/2/05	21	671.51	
W-830-30	10/13/05	21.5	671.01	
W-830-34	1/6/05	20.96	671.39	CB
W-830-34	4/11/05	19.73	672.62	CB
W-830-34	7/2/05	20.4	671.95	CB
W-830-34	10/13/05	20.85	671.5	CB
W-830-49	1/7/05	37.85	629.33	
W-830-49	4/14/05	35.97	631.21	
W-830-49	7/2/05	36.95	630.23	
W-830-49	10/13/05	38	629.18	
W-830-50	1/3/05	30.76	578.38	

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-830-50	4/9/05	29.88	579.26	
W-830-50	7/6/05	28.7	580.44	
W-830-50	10/17/05	28.6	580.54	
W-830-51	1/15/05	-	-	FL
W-830-51	4/9/05	-	-	FL
W-830-51	7/6/05	-	-	FL
W-830-51	10/17/05	-	-	FL
W-830-52	1/15/05	-	-	FL
W-830-52	4/9/05	-	-	FL
W-830-52	7/6/05	-	-	FL
W-830-52	10/17/05	-	-	FL
W-830-53	1/15/05	-	-	FL
W-830-53	4/9/05	-	-	FL
W-830-53	7/6/05	-	-	FL
W-830-53	10/17/05	-	-	FL
W-830-54	1/15/05	56.32	546.7	
W-830-54	4/22/05	55.8	547.22	
W-830-54	7/6/05	56.65	546.37	
W-830-54	10/17/05	54.3	548.72	
W-830-55	1/15/05	87.27	576.77	
W-830-55	4/22/05	85.37	578.67	
W-830-55	7/27/05	85.14	578.9	
W-830-55	10/17/05	85.6	578.44	
W-830-56	1/3/05	31.18	545.64	
W-830-56	4/9/05	30.9	545.92	
W-830-56	7/6/05	30.9	545.92	
W-830-56	10/17/05	30.95	545.87	
W-830-58	1/13/05	23.28	609.8	
W-830-58	4/14/05	21.95	611.13	
W-830-58	7/6/05	22.2	610.88	
W-830-58	10/17/05	22.3	610.78	
W-830-59	1/13/05	-	-	NM
W-830-59	4/14/05	-	-	NM
W-830-59	7/2/05	53.7	612.41	
W-830-59	10/13/05	-	-	DRY
W-830-60	1/3/05	43.42	593.97	
W-830-60	4/9/05	43.87	593.52	
W-830-60	7/6/05	45	592.39	
W-830-60	10/17/05	45.47	591.92	
W-831-01	1/7/05	130.8	642.69	
W-831-01	4/15/05	130.3	643.19	
W-831-01	7/2/05	130.37	643.12	
W-831-01	10/13/05	130.7	642.79	
W-832-01	1/13/05	30.26	675.8	
W-832-01	4/15/05	22.24	683.82	
W-832-01	7/2/05	26.1	679.96	
W-832-01	10/13/05	39	667.06	
W-832-09	1/13/05	73.13	634.09	

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-832-09	4/15/05	72.41	634.81	
W-832-09	7/2/05	72.1	635.12	
W-832-09	10/13/05	72.6	634.62	
W-832-10	1/25/05	30.34	655.81	
W-832-10	4/14/05	28.58	657.57	
W-832-10	7/27/05	29.64	656.51	
W-832-10	10/13/05	36.43	649.72	
W-832-11	1/25/05	30.55	668.1	
W-832-11	4/14/05	26.26	672.39	
W-832-11	7/27/05	28.63	670.02	
W-832-11	10/13/05	32.3	666.35	
W-832-12	1/10/05	24.39	697.08	CB
W-832-12	4/15/05	24.32	697.15	CB
W-832-12	7/2/05	18.1	703.37	CB
W-832-12	10/13/05	24.58	696.89	CB
W-832-13	1/10/05	-	-	DRY/CB
W-832-13	4/15/05	19.77	702.89	CB
W-832-13	7/2/05	19.85	702.81	CB
W-832-13	10/13/05	20.65	702.01	CB
W-832-14	1/10/05	-	-	DRY
W-832-14	4/15/05	22.79	698.38	
W-832-14	7/2/05	23.65	697.52	
W-832-14	10/13/05	24.5	696.67	
W-832-15	1/10/05	23.59	697.29	CB
W-832-15	4/15/05	22.59	698.29	CB
W-832-15	7/2/05	22.9	697.98	CB
W-832-15	10/13/05	23.9	696.98	CB
W-832-16	1/10/05	17.46	703.28	CB
W-832-16	4/15/05	-	-	DRY/CB
W-832-16	7/2/05	-	-	DRY/CB
W-832-16	10/13/05	-	-	DRY/CB
W-832-17	1/10/05	-	-	DRY/CB
W-832-17	4/15/05	17.25	704.75	CB
W-832-17	7/2/05	17.85	704.15	CB
W-832-17	10/13/05	18.5	703.5	CB
W-832-18	1/10/05	-	-	DRY
W-832-18	4/15/05	23.23	697.97	
W-832-18	7/2/05	24.2	697	
W-832-18	10/13/05	25	696.2	
W-832-19	1/10/05	-	-	DRY/CB
W-832-19	4/15/05	22.08	697.94	CB
W-832-19	7/2/05	23.15	696.87	CB
W-832-19	10/13/05	22.67	697.35	CB
W-832-1927	1/15/05	233.18	592.82	
W-832-1927	4/22/05	231.32	594.68	
W-832-1927	7/6/05	231.15	594.85	
W-832-1927	10/20/05	232	594	
W-832-20	1/10/05	-	-	DRY/CB

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-832-20	4/15/05	22.77	698.12	CB
W-832-20	7/2/05	24.23	696.66	CB
W-832-20	10/13/05	23.8	697.09	CB
W-832-21	1/10/05	-	-	DRY
W-832-21	4/15/05	-	-	DRY
W-832-21	7/2/05	-	-	DRY
W-832-21	10/13/05	-	-	DRY
W-832-22	1/10/05	-	-	DRY/CB
W-832-22	4/15/05	56.2	664.77	CB
W-832-22	7/2/05	56.2	664.77	CB
W-832-22	10/13/05	-	-	DRY/CB
W-832-23	1/7/05	32.29	687.85	CB
W-832-23	4/15/05	-	-	NM/CB
W-832-23	7/1/05	-	-	NM/NO ACCESS/CB
W-832-23	10/13/05	23.5	696.64	CB
W-832-24	1/7/05	41.26	621.3	
W-832-24	4/15/05	36.35	626.21	
W-832-24	7/2/05	37.5	625.06	
W-832-24	10/13/05	38.95	623.61	
W-832-25	1/15/05	33.11	633.7	
W-832-25	4/14/05	31.16	635.65	
W-832-25	7/27/05	30.64	636.17	
W-832-25	10/13/05	32.4	634.41	
W-832-SC1	1/15/05	6.19	578.51	
W-832-SC1	4/9/05	5.27	579.43	
W-832-SC1	7/6/05	4.75	579.95	
W-832-SC1	10/17/05	4.42	580.28	
W-832-SC2	1/15/05	-	-	DRY
W-832-SC2	4/9/05	4.11	570.76	
W-832-SC2	7/6/05	6.08	568.79	
W-832-SC2	10/17/05	4.97	569.9	
W-832-SC3	1/15/05	4.51	559.16	
W-832-SC3	4/9/05	4.75	558.92	
W-832-SC3	7/6/05	6.4	557.27	
W-832-SC3	10/17/05	4.93	558.74	
W-832-SC4	1/15/05	6.25	531.05	
W-832-SC4	4/20/05	6.34	530.96	
W-832-SC4	7/6/05	7.9	529.4	
W-832-SC4	10/17/05	5.81	531.49	
W-870-01	1/4/05	-	-	DRY
W-870-01	4/9/05	-	-	DRY
W-870-01	7/1/05	-	-	DRY
W-870-01	10/3/05	-	-	DRY
W-870-02	1/4/05	17.61	506.21	CB
W-870-02	4/20/05	13.84	509.98	CB
W-870-02	7/1/05	13.45	510.37	CB
W-870-02	10/3/05	17.95	505.87	CB
W-880-01	1/20/05	17.86	508.19	

C-7. Building 832 Canyon OU ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-880-01	4/21/05	13.68	512.37	
W-880-01	7/2/05	15.84	510.21	
W-880-01	10/3/05	17.53	508.52	
W-880-02	1/20/05	17.87	507.93	
W-880-02	4/21/05	14.86	510.94	
W-880-02	7/2/05	17.91	507.89	
W-880-02	10/3/05	18.5	507.3	
W-880-03	1/20/05	3.94	522.11	
W-880-03	4/21/05	2.5	523.55	
W-880-03	7/2/05	4.59	521.46	
W-880-03	10/3/05	11.84	514.21	

GWE-CMP7 2005 data (created 2006-03-06 14:27:18, Oracle)

C-8. Building 801 firing table and Pit 8 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K8-01	1/15/05	129.9	970.54	
K8-01	4/1/05	129.85	970.59	
K8-01	7/1/05	129.52	970.92	
K8-01	10/5/05	129.9	970.54	
K8-02B	1/15/05	159.3	969.12	
K8-02B	4/1/05	159.35	969.07	
K8-02B	7/1/05	158.93	969.49	
K8-02B	10/5/05	159.3	969.12	
K8-03B	1/15/05	104.32	992.27	
K8-03B	4/1/05	104.25	992.34	
K8-03B	7/2/05	103.83	992.76	
K8-03B	10/20/05	104.5	992.09	
K8-04	1/15/05	169.5	963.65	
K8-04	4/1/05	164.26	968.89	
K8-04	7/5/05	163.84	969.31	
K8-04	10/5/05	164.21	968.94	
K8-05	1/15/05	-	-	DRY
K8-05	4/1/05	-	-	DRY
K8-05	7/5/05	-	-	DRY
K8-05	10/5/05	-	-	DRY

GWE-CMP8D 2005 data (created 2006-03-06 14:27:43, Oracle)

C-9. Building 845 firing table and Pit 9 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K9-01	1/15/05	78.4	997.11	
K9-01	4/1/05	78.3	997.21	
K9-01	7/14/05	78.2	997.31	
K9-01	10/11/05	78.35	997.16	
K9-02	1/15/05	129	1006.39	
K9-02	4/1/05	128.88	1006.51	
K9-02	7/14/05	128.75	1006.64	
K9-02	10/11/05	128.81	1006.58	
K9-03	1/15/05	119.75	997.33	
K9-03	4/1/05	119.65	997.43	
K9-03	7/14/05	119.6	997.48	
K9-03	10/11/05	119.65	997.43	
K9-04	1/15/05	90.44	994.18	
K9-04	4/1/05	93.13	991.49	
K9-04	7/5/05	163.84	920.78	
K9-04	10/11/05	92.8	991.82	

GWE-CMP8B 2005 data (created 2006-03-06 14:27:33, Oracle)

C-10. Building 833 ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-833-03	1/7/05	-	-	DRY
W-833-03	4/22/05	40.94	810.29	
W-833-03	7/28/05	-	-	DRY
W-833-03	10/31/05	-	-	DRY
W-833-12	1/25/05	19.95	827.27	
W-833-12	4/2/05	19.78	827.44	
W-833-12	7/28/05	-	-	DRY
W-833-12	10/31/05	-	-	DRY
W-833-18	1/25/05	-	-	DRY
W-833-18	4/22/05	-	-	DRY
W-833-18	7/28/05	-	-	NM/FIRE HAZARD
W-833-18	10/31/05	-	-	NM
W-833-22	1/25/05	-	-	DRY
W-833-22	4/22/05	-	-	DRY
W-833-22	7/28/05	-	-	NM/FIRE HAZARD
W-833-22	10/31/05	-	-	NM
W-833-28	1/25/05	41.69	814.23	
W-833-28	4/22/05	-	-	DRY
W-833-28	7/28/05	41.69	814.23	MUD
W-833-28	10/31/05	41.5	814.42	
W-833-30	1/21/05	285.35	566.31	
W-833-30	4/22/05	283.46	568.2	
W-833-30	7/28/05	285.23	566.43	
W-833-30	10/31/05	287.3	564.36	
W-833-33	1/25/05	-	-	DRY
W-833-33	4/22/05	-	-	DRY
W-833-33	7/28/05	-	-	DRY
W-833-33	10/31/05	-	-	DRY
W-833-34	1/25/05	-	-	DRY
W-833-34	4/21/05	-	-	DRY
W-833-34	7/28/05	-	-	DRY
W-833-34	10/31/05	-	-	DRY
W-833-43	1/15/05	-	-	DRY
W-833-43	4/22/05	-	-	DRY
W-833-43	7/28/05	-	-	NM/FIRE HAZARD
W-833-43	10/3/05	-	-	NM
W-840-01	1/25/05	-	-	DRY
W-840-01	4/1/05	120.52	576.56	
W-840-01	7/7/05	120.45	576.63	
W-840-01	10/13/05	120.4	576.68	
W-841-01	1/25/05	-	-	DRY
W-841-01	4/1/05	-	-	DRY
W-841-01	7/7/05	-	-	DRY
W-841-01	10/26/05	-	-	DRY

GWE-CMP8C 2005 data (created 2006-03-06 14:27:38, Oracle)

C-11. Building 851 Firing Table ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
W-851-05	1/8/05	140.67	1131.12	
W-851-05	4/8/05	140.75	1131.04	
W-851-05	7/1/05	140.7	1131.09	
W-851-05	10/12/05	140.74	1131.05	
W-851-06	1/8/05	133.97	1131.53	
W-851-06	4/2/05	134.2	1131.3	
W-851-06	7/1/05	-	-	NM/NO ACCESS
W-851-06	10/20/05	134	1131.5	
W-851-07	1/8/05	140.41	1131.18	
W-851-07	4/2/05	140.55	1131.04	
W-851-07	7/5/05	140.42	1131.17	
W-851-07	10/12/05	140.35	1131.24	
W-851-08	1/8/05	182.81	1089.51	
W-851-08	4/2/05	182.95	1089.37	
W-851-08	7/5/05	183.05	1089.27	
W-851-08	10/12/05	183.15	1089.17	

GWE-CMP8A   2005 data   (created 2006-03-06 14:27:28, Oracle)

C-12. Pit 2 Landfill ground water elevations.

Well	Date	Depth to water (ft)	Water elevation (ft MSL)	Notes
K2-01C	1/15/05	59.7	990.93	
K2-01C	4/2/05	57.68	992.95	
K2-01C	7/5/05	57.35	993.28	
NC2-08	1/15/05	56.15	993.22	
NC2-08	4/2/05	54.15	995.22	
NC2-08	7/13/05	53.35	996.02	
NC2-08	10/5/05	53.9	995.47	
W-PIT2-1934	10/5/05	49.9	1011.2	
W-PIT2-1935	10/5/05	65.33	990.52	

GWE-CMP5A 2005 data (created 2006-03-06 14:27:07, Oracle)

Appendix D

Analytical Results for Soil Sampling During 2005

Appendix D

Analytical Results for Soil Sampling During 2005

D-1. Volatile organic compounds detected in soil samples collected from boreholes drilled during 2005.

Location	Date	Depth (ft)	TCE (mg/kg)	PCE (mg/kg)	cis-1,2-DCE (mg/kg)	trans-1,2-DCE (mg/kg)	Carbon tetrachloride (mg/kg)	Chloroform (mg/kg)	1,1-DCA (mg/kg)	1,2-DCA (mg/kg)	1,1-DCE (mg/kg)	1,1,1-TCA (mg/kg)	1,1,2-TCA (mg/kg)	Freon 11 (mg/kg)	Freon 113 (mg/kg)	Vinyl chloride (mg/kg)
B-834-2117	2/1/05	20	<0.00056	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	25	0.00087	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	30	0.0021	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	35	0.013	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	36	0.12	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	37	0.021	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	38	0.1	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	39	0.0036	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	40	0.0099	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/1/05	41	0.013	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/2/05	42	0.03	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/2/05	43	0.027	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2117	2/2/05	44	0.049	<0.00073	<0.00057	<0.0005	<0.00062	<0.00057	<0.0005	<0.0005	<0.00065	<0.00056	<0.0005	<0.0005	<0.002	<0.00074
B-834-2113	1/12/05	30	0.017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006
B-834-2113	1/12/05	35	0.14	<0.0005	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006
B-834-2113	1/12/05	36	0.18	0.00066	0.0023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006
B-834-2113	1/12/05	37	0.69 J	0.0027	0.0071	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006
B-834-2113	1/12/05	38	0.48 D	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006
B-834-2113	1/12/05	39	0.12	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006
B-834-2113	1/12/05	40	0.17	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0006

Analytes detected but not reported in main table.

Location	Date	Depth (ft)	Detection frequency	1,2-Dichloroethene (total) (mg/kg)
B-834-2117	2/1/05	20	0 of 26	-
B-834-2117	2/1/05	25	0 of 26	-
B-834-2117	2/1/05	30	0 of 26	-
B-834-2117	2/1/05	35	0 of 26	-
B-834-2117	2/1/05	36	0 of 26	-
B-834-2117	2/1/05	37	0 of 26	-
B-834-2117	2/1/05	38	0 of 26	-
B-834-2117	2/1/05	39	0 of 26	-
B-834-2117	2/1/05	40	0 of 26	-
B-834-2117	2/1/05	41	0 of 26	-
B-834-2117	2/2/05	42	0 of 26	-
B-834-2117	2/2/05	43	0 of 26	-
B-834-2117	2/2/05	44	0 of 26	-
B-834-2113	1/12/05	30	0 of 26	-
B-834-2113	1/12/05	35	1 of 26	0.0011
B-834-2113	1/12/05	36	1 of 26	0.0023
B-834-2113	1/12/05	37	1 of 26	0.0071
B-834-2113	1/12/05	38	0 of 26	-
B-834-2113	1/12/05	39	0 of 26	-
B-834-2113	1/12/05	40	0 of 26	-

OUSOIL-VOC [mg/kg] 2005 data (prepared 2006-03-08 12:56:09, Oracle)

D-2. Semi-volatile compounds detected in soil samples collected from boreholes drilled during 2005.

Constituents of concern	B-834-2113	B-834-2113	B-834-2113	B-834-2113	B-834-2113
Sample date	1/12/05	1/12/05	1/12/05	1/12/05	1/12/05
Depth	27 ft	28 ft	36 ft	39 ft	40 ft
Acenaphthene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Aniline (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
Anthracene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Benzidine (mg/kg)	<3	<3	<3	<3	<3
Benzo(a)anthracene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Benzoic Acid (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5
Benzyl Alcohol (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
BHC, alpha isomer (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
BHC, beta isomer (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
BHC, delta isomer (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
BHC, gamma isomer (Lindane) (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethoxy)methane (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
4-Bromophenylphenylether (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Butylbenzylphthalate (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
2-Chloronaphthalene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenylphenylether (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
Chrysene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
m- and p- Cresol (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
o-Cresol (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Dibutylphthalate (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
3,3-Dichlorobenzidine (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Diethylphthalate (mg/kg)	<0.1	<0.1	<0.1 E	<0.1 E	<0.1 E
2,4-Dimethylphenol (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethylphthalate (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrophenol (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrotoluene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Di-n-octylphthalate (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Diphenylhydrazine (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2

D-2. Semi-volatile compounds detected in soil samples collected from boreholes drilled during 2005.

Constituents of concern		B-834-2113	B-834-2113	B-834-2113	B-834-2113	B-834-2113
	Sample date	1/12/05	1/12/05	1/12/05	1/12/05	1/12/05
	Depth	27 ft	28 ft	36 ft	39 ft	40 ft
Endosulfan II (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan sulfate (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Endrin (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2
Endrin aldehyde (mg/kg)		<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
2-Methyl-4,6-dinitrophenol (mg/kg)		<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylnaphthalene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
2-Naphthylamine (mg/kg)		<3	<3	<3	<3	<3
2-Nitroaniline (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2
Nitrobenzene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2
N-Nitrosodimethylamine (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
N-Nitrosodiphenylamine (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
N-Nitrosodi-n-propylamine (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2
Phenanthrene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Phenol (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene (mg/kg)		<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2
2,4,6-Trichlorophenol (mg/kg)		<0.2	<0.2	<0.2	<0.2	<0.2

OUSOIL-E625P [mg/kg]   2005 data   (prepared 2006-03-08 07:53:01, Oracle)

D-3. Polychlorinated biphenyls detected in soil samples collected from boreholes drilled during 2005.

Location	Date	Depth (ft)	PCB 1016 (mg/kg)	PCB 1221 (mg/kg)	PCB 1232 (mg/kg)	PCB 1242 (mg/kg)	PCB 1248 (mg/kg)	PCB 1254 (mg/kg)	PCB 1260 (mg/kg)
B-855-2107	1/20/05	0.5	<0.5 D	<0.5 D	<0.5 D	<0.5 D	20 D	<0.5 D	<0.5 D
B-855-2107	1/20/05	3	<25 D	<25 D	<25 D	<25 D	110 D	<25 D	<25 D
B-855-2107	1/20/05	5.5	<0.005	<0.005	<0.005	<0.005	0.041	<0.005	<0.005
B-855-2107	1/20/05	8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2107	1/20/05	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2107	1/20/05	13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2107	1/20/05	15.5	<0.025 D	<0.025 D	<0.025 D	<0.025 D	0.37 D	<0.025 D	<0.025 D
B-855-2107	1/20/05	18	<0.005	<0.005	<0.005	<0.005	0.032	<0.005	<0.005
B-855-2107	1/20/05	20.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
B-855-2108	1/24/05	0.5	<0.25 D	<0.25 D	<0.25 D	<0.25 D	2.7 D	<0.25 D	<0.25 D
B-855-2108	1/24/05	3	<0.025 D	<0.025 D	<0.025 D	<0.025 D	0.29 D	<0.025 D	<0.025 D
B-855-2108	1/24/05	5.5	<0.005	<0.005	<0.005	<0.005	0.047	<0.005	<0.005
B-855-2108	1/24/05	8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2108	1/24/05	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2108	1/24/05	13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2108	1/24/05	15.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2108	1/24/05	18	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B-855-2108	1/24/05	20.5	<0.005	<0.005	<0.005	<0.005	0.045	<0.005	<0.005

OUSOIL-E8082C [mg/kg] 2005 data (prepared 2006-03-08 07:53:11, Oracle)

D-4. Diesel range organics detected in soil samples collected from boreholes drilled during 2005.

Location	Date	Depth (ft)	Diesel Range Organics (C12-C24) (mg/kg)
B-834-2113	1/12/05	25	<2
B-834-2113	1/12/05	26	<2
B-834-2113	1/12/05	27	2.5 G
B-834-2113	1/12/05	28	2.2 G
B-834-2113	1/12/05	29	<2
B-834-2113	1/12/05	30	<2
B-834-2113	1/12/05	35	2.1 G
B-834-2113	1/12/05	36	2.6 G
B-834-2113	1/12/05	37	<2
B-834-2113	1/12/05	38	2.2 G
B-834-2113	1/12/05	39	2.6 G
B-834-2113	1/12/05	40	2.8 G

OUSOIL-EM8015 [mg/kg] 2005 data (prepared 2006-03-08 07:53:26, Oracle)

D-5. Toxicity Characteristic Leaching Procedure (TCLP) metals detected in soil samples collected from boreholes drilled during 2005.

Location	Date	Depth (ft)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
B-855-2107	1/20/05	0.5	<0.05	<0.5	<0.05	<0.5	<0.5	<0.005	<0.05	<0.5
B-855-2107	1/20/05	3	<0.05	0.53	<0.05	<0.5	<0.5	<0.005	<0.05	<0.5

OUSOIL-TCLPM [mg/L] 2005 data (prepared 2006-03-08 07:53:40, Oracle)

Appendix E

Analytical Results from Building 834 T2 Vicinity Wells Collected During 2005 as Part of the Tracer Study

Appendix E

Analytical Results from Building 834 T2 Vicinity Wells Collected During 2005 as Part of the Tracer Study

E-1. Volatile organic compounds in ground water from Building 834 T2 vicinity wells collected during 2005 as part of the Tracer Study.

E-2. Nitrate in ground water from Building 834 T2 vicinity wells collected during 2005 as part of the Tracer Study.

E-1. Volatile organic compounds in ground water from Building 834 T2 vicinity wells collected during 2005 as part of the Tracer Study.

Location	Date	Method	TCE (µg/L)	PCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1,2-TCA (µg/L)	Freon 11 (µg/L)	Freon 113 (µg/L)	Vinyl chloride (µg/L)
W-834-1824	1/13/05	E601	21,000 D	46 D	43 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-1824	2/3/05	E601	75	0.97	<0.5	<0.5	<0.5	31	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	3/24/05	E601	1.4	<0.5 E	<0.5	<0.5	<0.5	4.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	5/23/05	E601	1.2	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	6/22/05	E601	0.79	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	7/21/05	E601	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	8/18/05	E601	34	<0.5	38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	9/13/05	E601	17 B	<0.5	130 D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	11/4/05	E601	<0.5	<0.5 B	280 D	0.92	<0.5	<0.5	<0.5	<0.5	0.63	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-1824	12/15/05	E601	17 BDS	<1 BDS	940 BDS	<25 BDS	<1 BDS	<1 BDS	<1 BDS	<1 BDS	1.8 BDS	<1 BDS	<1 BDS	<1 BDS	<1 BDS	<1 BDS
W-834-T2	1/13/05	E601	22,000 D	42 D	40 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-T2	2/3/05	E601	20,000 D	39 D	37 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-T2	3/24/05	E601	17,000 D	32 D	32 D	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	4/29/05	E601	14,000 D	<25 DE	26 D	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	5/23/05	E601	9,800 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	6/22/05	E601	9,800 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	7/21/05	E601	5,800 D	14 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-834-T2	8/18/05	E601	6,900 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	11/4/05	E601	12,000 BD	32 BD	26 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2	12/15/05	E601	10,000 BDS	27 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS
W-834-T2A	1/13/05	E601	19,000 D	31 D	38 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-T2A	2/3/05	E601	14,000 D	<30 D	32 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-T2A	3/24/05	E601	8,800 D	<25 DE	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	4/29/05	E601	8,800 D	<25 DE	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	5/23/05	E601	10,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	6/22/05	E601	11,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	7/21/05	E601	12,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	8/18/05	E601	12,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	9/13/05	E601	11,000 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2A	12/15/05	E601	10,000 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS
W-834-1825	1/13/05	E601	12,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-1825	2/3/05	E601	12,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-1825	3/24/05	E601	12,000 D	<25 DE	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	4/29/05	E601	9,900 D	<25 DE	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	5/23/05	E601	11,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	6/22/05	E601	10,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	7/21/05	E601	10,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	8/18/05	E601	8,700 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	9/13/05	E601	9,200 BD	13 D	15 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D
W-834-1825	11/4/05	E601	11,000 D	<25 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	11/4/05	E601	6,200 BD	<25 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1825	12/15/05	E601	8,200 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS
W-834-1833	1/13/05	E601	17,000 D	31 D	33 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-1833	2/3/05	E601	17,000 D	32 D	36 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-1833	3/24/05	E601	15,000 D	<25 DE	28 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	4/29/05	E601	15,000 D	26 D	28 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	5/23/05	E601	14,000 D	26 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	6/22/05	E601	12,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	7/21/05	E601	11,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	8/18/05	E601	11,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	9/13/05	E601	11,000 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	11/4/05	E601	11,000 BD	<25 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-1833	12/15/05	E601	13,000 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS
W-834-T2D	1/13/05	E601	13,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-T2D	2/3/05	E601	15,000 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D	<30 D
W-834-T2D	3/24/05	E601	15,000 D	26 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	4/29/05	E601	16,000 D	32 D	<25 DE	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	5/23/05	E601	16,000 D	35 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	6/22/05	E601	17,000 D	30 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	7/21/05	E601	16,000 D	32 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	8/18/05	E601	15,000 D	26 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	9/13/05	E601	15,000 BD	26 D	26 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	11/4/05	E601	13,000 BD	32 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2D	12/15/05	E601	14,000 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS
W-834-56	1/13/05	E601	2.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-S4	1/18/05	E601	5.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
W-834-T2B	3/14/05	E601	16,000 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	4/29/05	E601	23,000 D	<25 DE	<25 DE	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	5/23/05	E601	22,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	7/21/05	E601	23,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	8/18/05	E601	23,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	9/13/05	E601	21,000 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	11/4/05	E601	10,000 BD	<25 BD	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W-834-T2B	12/15/05	E601	11,000 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS	<25 BDS
W-834-2118	3/24/05	E601	200 D	<0.5 E	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 E	<0.5	<0.5
W-834-2117	3/24/05	E601	25,000 D	75 D	70 D	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 DE	<25 D	<25 D	<25 D	<25 D	<25 D
W-T2B	6/22/05	E601	24,000 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D	<25 D
W834-T2	9/13/05	E601	8,800 BD	16 D	20 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D	<12 D

Location	Date	Method	Detection frequency	1,2-Dichloroethene (total) (µg/L)	Bromodichloromethane (µg/L)	Total Trihalomethanes (µg/L)
W-834-1824	1/13/05	E601	0 of 19	-	-	-
W-834-1824	2/3/05	E601	2 of 19	-	1.3	32
W-834-1824	3/24/05	E601	1 of 19	-	-	4.5
W-834-1824	5/23/05	E601	2 of 19	-	0.67	14
W-834-1824	6/22/05	E601	1 of 19	-	-	2.3
W-834-1824	7/21/05	E601	0 of 19	-	-	-
W-834-1824	8/18/05	E601	1 of 19	38	-	-
W-834-1824	9/13/05	E601	1 of 19	130 D	-	-
W-834-1824	11/4/05	E601	1 of 19	280 D	-	-
W-834-1824	12/15/05	E601	1 of 19	940 BDS	-	-
W-834-T2	1/13/05	E601	0 of 19	-	-	-
W-834-T2	2/3/05	E601	0 of 19	-	-	-
W-834-T2	3/24/05	E601	0 of 19	-	-	-
W-834-T2	4/29/05	E601	0 of 19	-	-	-
W-834-T2	5/23/05	E601	0 of 19	-	-	-
W-834-T2	6/22/05	E601	0 of 19	-	-	-
W-834-T2	7/21/05	E601	0 of 19	-	-	-
W-834-T2	8/18/05	E601	0 of 19	-	-	-
W-834-T2	11/4/05	E601	0 of 19	-	-	-
W-834-T2	12/15/05	E601	0 of 19	-	-	-
W-834-T2A	1/13/05	E601	0 of 19	-	-	-
W-834-T2A	2/3/05	E601	0 of 19	-	-	-
W-834-T2A	3/24/05	E601	0 of 19	-	-	-
W-834-T2A	4/29/05	E601	0 of 19	-	-	-
W-834-T2A	5/23/05	E601	0 of 19	-	-	-
W-834-T2A	6/22/05	E601	0 of 19	-	-	-
W-834-T2A	7/21/05	E601	0 of 19	-	-	-
W-834-T2A	8/18/05	E601	0 of 19	-	-	-
W-834-T2A	9/13/05	E601	0 of 19	-	-	-
W-834-T2A	12/15/05	E601	0 of 19	-	-	-
W-834-1825	1/13/05	E601	0 of 19	-	-	-
W-834-1825	2/3/05	E601	0 of 19	-	-	-
W-834-1825	3/24/05	E601	0 of 19	-	-	-
W-834-1825	4/29/05	E601	0 of 19	-	-	-
W-834-1825	5/23/05	E601	0 of 19	-	-	-
W-834-1825	6/22/05	E601	0 of 19	-	-	-
W-834-1825	7/21/05	E601	0 of 19	-	-	-
W-834-1825	8/18/05	E601	0 of 19	-	-	-
W-834-1825	9/13/05	E601	0 of 19	-	-	-
W-834-1825	11/4/05	E601	0 of 19	-	-	-
W-834-1825	11/4/05	E601	0 of 19	-	-	-
W-834-1825	12/15/05	E601	0 of 19	-	-	-
W-834-1833	1/13/05	E601	0 of 19	-	-	-
W-834-1833	2/3/05	E601	0 of 19	-	-	-
W-834-1833	3/24/05	E601	0 of 19	-	-	-
W-834-1833	4/29/05	E601	0 of 19	-	-	-
W-834-1833	5/23/05	E601	0 of 19	-	-	-
W-834-1833	6/22/05	E601	0 of 19	-	-	-
W-834-1833	7/21/05	E601	0 of 19	-	-	-
W-834-1833	8/18/05	E601	0 of 19	-	-	-
W-834-1833	9/13/05	E601	0 of 19	-	-	-
W-834-1833	11/4/05	E601	0 of 19	-	-	-
W-834-1833	12/15/05	E601	0 of 19	-	-	-
W-834-T2D	1/13/05	E601	0 of 19	-	-	-
W-834-T2D	2/3/05	E601	0 of 19	-	-	-
W-834-T2D	3/24/05	E601	0 of 19	-	-	-
W-834-T2D	4/29/05	E601	0 of 19	-	-	-
W-834-T2D	5/23/05	E601	0 of 19	-	-	-
W-834-T2D	6/22/05	E601	0 of 19	-	-	-
W-834-T2D	7/21/05	E601	0 of 19	-	-	-
W-834-T2D	8/18/05	E601	0 of 19	-	-	-
W-834-T2D	9/13/05	E601	0 of 19	-	-	-
W-834-T2D	11/4/05	E601	0 of 19	-	-	-
W-834-T2D	12/15/05	E601	0 of 19	-	-	-
W-834-56	1/13/05	E601	0 of 19	-	-	-
W-834-S4	1/18/05	E601	0 of 19	-	-	-
W-834-T2B	3/14/05	E601	0 of 19	-	-	-
W-834-T2B	4/29/05	E601	0 of 19	-	-	-
W-834-T2B	5/23/05	E601	0 of 19	-	-	-
W-834-T2B	7/21/05	E601	0 of 19	-	-	-
W-834-T2B	8/18/05	E601	0 of 19	-	-	-
W-834-T2B	9/13/05	E601	0 of 19	-	-	-
W-834-T2B	11/4/05	E601	0 of 19	-	-	-
W-834-T2B	12/15/05	E601	0 of 19	-	-	-
W-834-2118	3/24/05	E601	0 of 19	-	-	-
W-834-2117	3/24/05	E601	1 of 19	70 D	-	-
W-T2B	6/22/05	E601	0 of 19	-	-	-
W834-T2	9/13/05	E601	0 of 19	-	-	-

EXP077-VOC [ug/L]   2005 data   (prepared 2006-03-13 17:08:52, Oracle)

E-2. Nitrate in ground water from Building 834 T2 vicinity wells collected during 2005 as part of the Tracer Study.

Location	Date	Nitrate (as N) (mg/L)	Nitrate (as NO3) (mg/L)
W-834-1824	1/13/05	18.9	83.6
W-834-1824	12/15/05	<0.1	<0.44 H
W-834-T2	1/13/05	21 D	93.1 D
W-834-T2	4/5/05	14	64 H
W-834-T2	12/15/05	6.3	28 H
W-834-T2A	1/13/05	16.1	71.2
W-834-T2A	4/5/05	13	57 H
W-834-T2A	12/15/05	13	57 H
W-834-1825	1/13/05	17.4	77
W-834-1825	12/15/05	9.8	44 H
W-834-1833	1/13/05	15.3	67.5
W-834-1833	4/5/05	12	55 H
W-834-1833	12/15/05	12	52 H
W-834-T2D	1/13/05	21.1 D	93.2 D
W-834-T2D	4/5/05	20 D	90 H
W-834-T2D	12/15/05	21	93 H
W-834-S6	1/13/05	37.4 D	166 D
W-834-54	1/18/05	30.6 D	136 D
W-834-T1	1/18/05	<0.5	<0.5
W-834-T3	1/18/05	<0.5	<0.5
WW-834-1825	4/5/05	8.8	39 H
W-834-T2B	4/5/05	25 D	110 H

EXP077-NITRPERC [mg/L] 2005 data (prepared 2006-03-13 17:13:04, Oracle)

Errata

The following figure replaces Figure 2.3-3 from the *2004 Annual Compliance Monitoring Report for Lawrence Livermore National Laboratory Site 300* (Dibley, 2005a). The revised figure correctly shows a concentration of 0.51 μg/L total VOCs for well CARNRW2. A concentration of 0.51 μg/L chloroform was detected in a ground water sample collected on December 8, 2004, from this well.

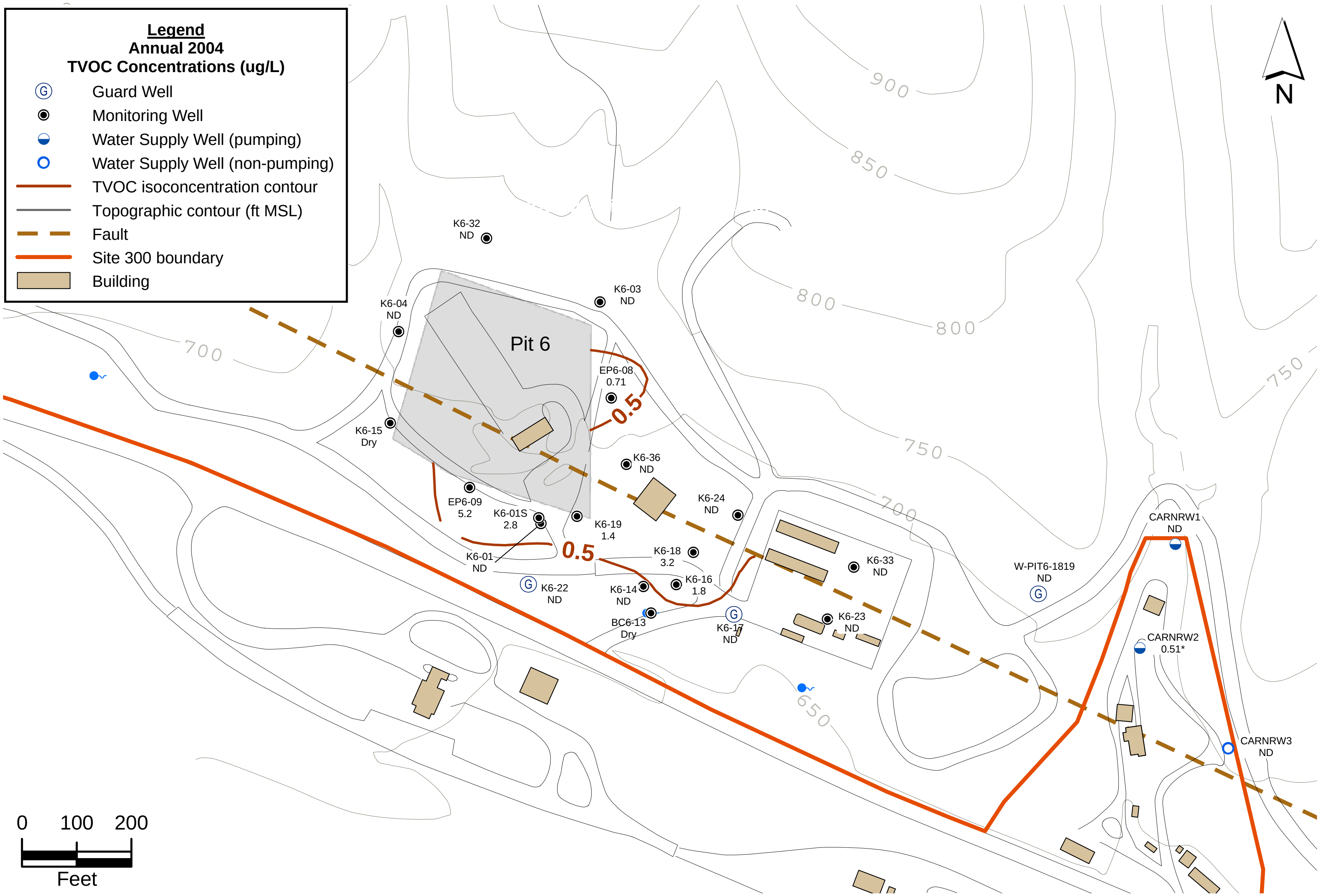


Figure 2.3-3 (revised). Pit 6 Landfill OU TVOC isoconcentration contour map for the first water-bearing zone.