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ANNUAL OPERATIONS AND MAINTENANCE STATUS REPORT AIR SPARGE AND SOIL VAPOR EXTRACTION SYSTEM BUILDING 25 FROM 1 APRIL 2001 THROUGH 31 MARCH 2002 NS MAYPORT FL

11/1/2002

CH2M HILL

# Annual
# Operations and Maintenance
# Status Report

## Contract No. N62467-98-D-0995
## Contract Task Order No. 0067

## Air Sparge and Soil Vapor Extraction System
## Building 25

## April 1, 2001 – March 31, 2002

**Naval Station Mayport**
**Mayport, Florida**

**Submitted to:**

## U.S. Naval Facilities
## Engineering Command
## Southern Division

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# Acronyms

| | |
|---|---|
| AS | air sparge |
| BEI | Bechtel Environmental, Inc. |
| bls | below land surface |
| BTEX | benzene, toluene, ethylbenzene, and xylenes |
| CCI | CH2M HILL Constructors, Inc. |
| CTO | Contract Task Order |
| EPA | Environmental Protection Agency |
| FAC | Florida Administrative Code |
| FDEP | Florida Department of Environmental Protection |
| FID | flame ionization detector |
| GCTLs | Groundwater Cleanup Target Levels |
| J.A. Jones | J.A. Jones Environmental Services Company |
| LNAPL | light non-aqueous phase liquid |
| mg/kg | milligrams per kilogram |
| μg/L | micrograms per liter |
| NADSCs | Natural Attenuation Default Source Concentrations |
| NAVFAC | Naval Facilities Engineering Command |
| NS | Naval Station |
| O&M | operation and maintenance |
| OVA | organic vapor analyzer |
| PAHs | polynuclear aromatic hydrocarbons |
| ppm | parts per million |
| psi | pounds per square inch |
| RAP | Remedial Action Plan |
| RUST | RUST Environment and Infrastructure, Inc. |
| scfm | standard cubic feet per minute |
| SCTLs | Soil Cleanup Target Levels |
| SVE | soil vapor extraction |
| TRPH | total recoverable petroleum hydrocarbons |
| UST | underground storage tank |
| VOAs | volatile organic aromatics |
| VOCs | volatile organic compounds |

# 1.0 Introduction

CH2M HILL Constructors, Inc. (CCI), with J.A. Jones Environmental Services Company (J.A. Jones), has been contracted by the Department of the Navy, Southern Division Naval Facilities Engineering Command (NAVFAC), to provide operations and maintenance (O&M) services at Building 25, Naval Station (NS) Mayport, Mayport, Florida, under Response Action Contract No. N62467-98-D-0995, Contract Task Order (CTO) No. 0067. The purpose of this Annual O&M Status Report is to provide a summary of activities performed at the site during the period of April 1, 2001, to March 31, 2002.

## 1.1 Objective

The objective of the remedial activities at Building 25 is to remediate the petroleum-contaminated groundwater and unsaturated soil to Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Levels (GCTLs) and Soil Cleanup Target Levels (SCTLs), respectively, as specified in Tables I and II of Chapter 62-777, Florida Administrative Code (FAC). Air sparge (AS) and soil vapor extraction (SVE) are the two technologies currently utilized to achieve this objective.

## 1.2 Site History

Building 25 was a service and fueling facility for Navy vehicles and is located on the southeast corner of Maine Street and Mason Avenue. The ship basin is located approximately 300 feet to the east. NS Mayport provides its own potable water via four wells located on Base property. The nearest well is approximately 650 feet south of Building 25 and is cased to over 400 feet below land surface (bls) (RUST Environment and Infrastructure, Inc. [RUST], 1993).

A 1,000-gallon underground storage tank (UST) was installed at Building 25 in 1952 for storage of diesel fuel. Two additional USTs, one 2,000-gallon and one 4,000-gallon, were installed in 1954 for gasoline storage. In 1974, a 10,000-gallon UST was installed for gasoline storage (RUST, 1993).

In July 1990, fuel odors were detected in the soil around the 10,000-gallon UST. Hydrocarbon concentrations greater than 1,000 parts per million (ppm) were indicated by organic vapor analyzer (OVA) readings in several shallow borings around the tank. No leaks were detected during subsequent tank tightness tests performed on all four USTs; however, a small leak was discovered and repaired in the fuel delivery line from the 10,000-gallon UST to the fuel dispenser. Several additional fuel spills resulting from overfilling vehicle fuel tanks at the dispensing island have been reported at this facility. The quantity of spilled fuel is unknown, but apparently spilled fuel may have flowed across the paved surface toward a low grassy area in the southwest corner of the facility near monitoring well MAY-25-10 (RUST, 1993).

During late June and July 1995, the Navy commissioned the removal of the existing USTs. Approximately 343 cubic yards of excessively contaminated soil were removed from the UST excavation area, and replaced with clean fill. The Navy subsequently replaced the USTs with aboveground storage tanks placed on a concrete pad (Bechtel Environmental, Inc. [BEI], 1999).

Subsequent to contamination assessment activities, RUST prepared and submitted a Remedial Action Plan (RAP) in September 1993 and a RAP Revision in April 1994 to outline the required remediation efforts at the Building 25 site. BEI installed an AS/SVE system in accordance with the RAP prepared by RUST, and the AS/SVE system started operation in November 1996. A detailed description of the AS/SVE system installed by BEI is provided in the O&M Manual (BEI, 1998). BEI operated and maintained the system from startup through March 2000. The system has been operated and maintained by CCI/J.A. Jones under Response Action Contract No. N62467-98-D-0995, CTO Nos. 0031 and 0067 since April 2000.

Evidence of an additional release of fuel at the site was detected in monitoring well MAY-25-13 during the February 20, 2001, groundwater level measurement survey. A fuel stain was observed on the pavement directly upgradient of the monitoring well. Approximately 1.05 feet of light non-aqueous phase liquid (LNAPL) was detected in monitoring well MAY-25-13 during the survey. The LNAPL was removed by CCI/J.A. Jones through manual bailing from February 20, 2001, to April 24, 2001. No LNAPL has been detected since May 22, 2001.

## 1.3 Remediation System/Technology Description

Air sparging is a method of expediting the transfer of saturated-zone volatile organic compounds (VOCs) from the groundwater table to the vadose zone, where an SVE system can complete the VOC removal process. Hydrocarbon-free air is injected into AS wells, which are screened within the groundwater contaminant plume. As the injected air passes upward through the VOC-laden groundwater and soil, VOCs are partitioned to the passing air and migrate to the vadose zone. The SVE wells, which are located in the vadose zone above the AS area, apply a vacuum such that the AS air is captured and removed from the subsurface. The Building 25 AS system consists of five AS wells, labeled as SP-1 through SP-5. The locations of the AS wells are shown on the site map included in Appendix A.

Soil vapors are extracted by applying a negative pressure, or vacuum, to laterals placed in the vadose zone above the AS area. A vacuum blower is used to lower the relative pressure in the soil mass below the equilibrium pressure of the contaminant. The contaminants in the soil are volatilized and then removed via the SVE lateral wells. The SVE system at the Building 25 site consists of four horizontal laterals, labeled SVE-1 through SVE-4. SVE lateral SVE-2 was ruptured during the second quarter of 1998 during a local excavation operation not associated with O&M activities (BEI, 1999). Lateral SVE–2 was not repaired and reinstated based on the statement in the RAP (RUST, 1994) that the lateral was installed only to accommodate the AS system, and it was anticipated that SVE laterals SVE-1 and SVE-3 could adequately accommodate the AS system. The locations of the SVE laterals are shown on the site map in Appendix A.

# 2.0 System Performance Monitoring

During the monitoring period, the system operated from April 1, 2001, to December 4, 2001. A blown fuse caused the system to shut down on December 4, 2001. After replacement of the fuse, the SVE system could not be restarted. The vacuum blower was frozen and leaks were discovered in the moisture separator and the air inlet filter. The situation was discussed with the NS Mayport Partnering Team and the decision was made not to repair and restart the SVE system due to the possibility of system discontinuation following the verification soil sampling event. See Section 3.1 for the summary of the verification soil sampling event.

System O&M checks were performed weekly from April 1, 2001, to August 31, 2001, and then bi-weekly. During system O&M checks, a preventative maintenance checklist (based upon manufacturer's recommendations) was completed, and any required maintenance activity was performed. Additionally, air flow rates and pressure readings were recorded from the AS well, the SVE lateral, and the respective manifolds.

## 2.1 Operational Efficiencies

### 2.1.1 AS System

| | Operational Period | To Date |
|---|---|---|
| Hours of Possible Operation: | 5,952 | 44,404 |
| Hours of Actual Operation: | 5,715 | 29,493 |
| Percent hours of Operation: | 96.0 | 66.4 |

### 2.1.2 SVE System

| | Operational Period | To Date |
|---|---|---|
| Hours of Possible Operation: | 5,952 | 44,404 |
| Hours of Actual Operation: | 5,934 | 37,954 |
| Percent hours of Operation: | 99.7 | 85.5 |

## 2.2 Summary of Maintenance and System Downtime

### 2.2.1 AS System

From April 1, 2001, to December 4, 2001, the AS system ran a total of 238.1 days out of a possible 248 days, resulting in 237 hours of downtime. The 237 hours of downtime were due to manually shutting down the AS system during May 2001 to bail LNAPL from monitoring well MAY-25-13 and perform routine maintenance. The system has not

operated since December 4, 2001, when it was shut down due to a blown fuse. After replacement of the fuse, the AS system was not restarted due to maintenance issues with the SVE system (see Section 2.2.2). The AS and SVE systems are electrically configured so that the SVE system must be operating for the AS system to operate.

### 2.2.2 SVE System

From April 1, 2001, to December 4, 2001, the SVE system ran a total of 247 days out of a possible 248 days, resulting in 18 hours of downtime. The 18 hours of downtime were due to manually shutting down the AS system to perform routine maintenance. The system has not operated since December 4, 2001. Initially, the SVE system shut down due to a blown fuse on December 4, 2001. After replacement of the fuse, the SVE system could not be restarted because the vacuum blower was frozen and leaks were discovered in the moisture separator and the air inlet filter. The situation was discussed with the NS Mayport Partnering Team and the decision was made not to repair and restart the SVE system due to the possibility of system discontinuation following the verification soil sampling event. See Section 3.1 for the summary of the verification soil sampling event.

## 2.3 Pressure/Flow Rate Monitoring

### 2.3.1 AS System

During the April 1, 2001, to December 4, 2002, operating period, the air flow rate and pressure at the AS blower and each AS well was recorded weekly from April 1, 2001, to August 31, 2001, and bi-weekly thereafter. The data is provided in Table 1 in Appendix B.

The design air flow rate and pressure for each AS well is 16 standard cubic feet per minute (scfm) at 9.6 to 10.6 pounds per square inch (psi) (BEI, 1998). The average AS flow rate and pressure to each AS well for the monitoring period were as follows:

- AS well SP-1: 10.4 scfm at 5.4 psi
- AS well SP-2: 7.0 scfm at 5.8 psi
- AS well SP-3: 7.7 scfm at 5.1 psi
- AS well SP-4: 4.2 scfm at 5.0 psi
- AS well SP-5: 1.0 scfm at 4.9 psi

### 2.3.2 SVE System

During the April 1, 2001, to December 4. 2002, operating period, the air flow rate and vacuum at the SVE blower and each SVE lateral was recorded weekly from April 1, 2001, to August 31, 2001, and bi-weekly thereafter. The data is provided in Table 2 in Appendix B.

The design air flow rates for SVE laterals SVE-1, SVE-3, and SVE-4 are 140 scfm, 100 scfm, and 100 scfm, respectively (BEI, 1998). SVE lateral SVE-2 was ruptured in the second quarter of 1998 and has not been utilized since. The average SVE lateral air flow rate and vacuum during the monitoring period were as follows:

- SVE-1: 76.52 scfm at 6.00 inches of water column (in $H_2O$)
- SVE-3: 74.29 scfm at 1.77 in $H_2O$
- SVE-4: 81.01 scfm at 1.81 in $H_2O$

The respective air flow rates for the SVE laterals could not reach the rates specified in the design due to the groundwater table elevation.

## 2.4 Water Level Measurements

Depth to groundwater/LNAPL measurements were recorded monthly in 12 on-site monitoring wells from April 1, 2001, to August 31, 2001, and then quarterly thereafter. The results from the groundwater/LNAPL level measurement surveys are provided in Table 3 in Appendix B.

LNAPL was detected in monitoring well MAY-25-13 during the April 24, 2001, measurement. The LNAPL was removed by hand bailing. LNAPL was not detected in MAY-25-13 during the remainder of the monitoring period. LNAPL was not detected in any other monitoring wells during the monitoring period.

# 3.0 Summary of Sampling and Laboratory Analytical Results

## 3.1 Soil Monitoring

CCI/J.A. Jones conducted a verification soil sampling event in January 2002 as outlined in the Remediation Work Plan (BEI, 1995). On January 8, 2002, and January 9, 2002, 30 soil borings (labeled SB-1 through SB-30) were installed at the locations shown on the soil boring map in Appendix A. The soil was screened using an OVA equipped with a flame ionization detector (FID) at depths of 1 and 3 feet bls. The water table was encountered at 4 feet bls. The OVA/FID results are tabulated in Table 4 of Appendix B. Soil borings SB-7, SB-8, SB-9, SB-10, SB-12, SB-13, SB-14, SB-16, SB-18, SB-19, SB-22, SB-26, and SB-27 exhibited net OVA/FID readings in excess of 50 ppm at 3 feet bls. All net OVA/FID readings recorded at 1 foot bls were below 50 ppm.

On January 10, 2002, one soil sample was collected at 3 feet bls from each location of soil borings SB-7, SB-10, SB-12, SB-13, SB-19, and SB-26 for laboratory analysis. The soil sample locations were determined using two low OVA/FID readings, two medium OVA/FID readings, and two high OVA/FID readings. These soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021B, naphthalene and polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270C, and total recoverable petroleum hydrocarbons (TRPH) by the FL PRO Method. The analytical results for SB-7, SB-10, and SB-12 showed that all contaminant concentrations were below the Direct Exposure Residential and Leachability SCTLs. The analytical results for SB-13 showed concentrations of benzene (0.25 milligrams per kilogram [mg/kg]), ethylbenzene (0.68 mg/kg), and xylenes (1.8 mg/kg) that exceeded the Leachability SCTLs (0.007 mg/kg, 0.6 mg/kg, and 0.2 mg/kg, respectively), but did not exceed the Direct Exposure Residential SCTLs (1.1 mg/kg, 1,100 mg/kg, and 5,900 mg/kg, respectively). The analytical results for SB-19 showed a concentration of benzene (0.058 mg/kg) that exceeded the Leachability SCTL (0.007 mg/kg), but did not exceed the Direct Exposure Residential SCTL (1.1 mg/kg). The analytical results for SB-26 showed a concentration of benzo (a) pyrene (0.49 mg/kg) that exceeded the Direct Exposure Residential SCTL (0.1 mg/kg), but did not exceed the Direct Exposure Industrial SCTL (0.5 mg/kg) or the Leachability SCTL (8 mg/kg).

On March 25, 2002, four additional soil borings (labeled SB-31 through SB-34) were installed at the locations shown on the soil boring map provided in Appendix A. The borings were installed to delineate the benzo (a) pyrene soil contamination. Soil boring SB-31 was installed at the SB-26 location to verify the laboratory analytical results. One soil sample was collected for laboratory analysis at 3 feet bls from soil borings SB-31, SB-32, SB-33, and SB-34. These soil samples were analyzed for naphthalene and PAHs by EPA Method 8270C. The analytical results for SB-31 showed a concentration of benzo (a) pyrene (0.24 mg/kg) that exceeded the Direct Exposure Residential SCTL

(0.1 mg/kg), but not the Direct Exposure Industrial SCTL (0.5 mg/kg) or the Leachability SCTL (8 mg/kg). The analytical results for SB-32, SB-33, and SB-34 showed that all contaminant concentrations were below the Direct Exposure Residential and Leachability SCTLs.

The analytical laboratory reports from the verification soil sampling event are provided in Appendix C, and the analytical results are summarized in Table 5 in Appendix B.

## 3.2 Groundwater Monitoring

CCI/J.A. Jones conducted quarterly groundwater monitoring activities on June 26, 2001, September 24, 2001, December 6, 2001, and March 25, 2002, during the monitoring period. Groundwater samples were collected from four onsite monitoring wells identified as MAY-25-4, MAY-25-9, MAY-25-13, and MAY-25-15. The groundwater samples were laboratory analyzed for volatile organic aromatics (VOAs) by EPA Method 602, PAHs by EPA Method 610, metals by EPA Method 200.7/245.1, and TRPH by the FL-PRO Method.

The analytical results for MAY-25-4 showed that all contaminant concentrations were below the GCTLs for the monitoring period. The analytical results for MAY-25-9 showed concentrations of benzene, ethylbenzene, and xylenes that exceeded the GCTLs, but did not exceed the Natural Attenuation Default Source Concentrations (NADSCs) during the first quarter of the monitoring period. However, benzene, ethylbenzene, and xylenes concentrations in MAY-25-9 were below the GCTLs for the last three quarters of the monitoring period. The analytical results for MAY-25-9 showed concentrations of naphthalene (21.6 micrograms per liter [$\mu$g/L]) and total lead (27.2 $\mu$g/L) that exceeded the GCTLs (20 $\mu$g/L and 15 $\mu$g/L, respectively) during the final quarter of the monitoring period, but did not exceed the NADSCs. The analytical results for MAY-25-13 showed that lead (107 $\mu$g/L) exceeded the GCTL (15 $\mu$g/L) during the June 26, 2001, sampling event and indeno (1,2,3-cd) pyrene (0.22 $\mu$g/L) slightly exceeded the GCTL (0.2 $\mu$g/L) during the March 25, 2002, sampling event. All other contaminant concentrations in MAY-25-13 were below the GCTLs for the monitoring period. Monitoring well MAY-25-13 was re-sampled on August 2, 2001, to verify the concentration of lead and the high detection limits for the PAHs reported from the June 26, 2001, sampling event. The analytical results for the August 2, 2001, sampling event showed that the lead and PAH concentrations were below the respective GCTLs. The analytical results for MAY-25-15 showed concentrations of benzo (a) anthracene, benzo (a) pyrene, benzo (b) fluoranthene, benzo (k) fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene exceeded the GCTLs, but did not exceed the NADSCs during the first quarter of the monitoring period. However, the benzo (a) anthracene, benzo (a) pyrene, benzo (b) fluoranthene, benzo (k) fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene concentrations in MAY-25-15 were below the GCTLs for the last three quarters of the monitoring period.

A site map showing the locations of the monitoring wells is provided in Appendix A. The groundwater laboratory analytical results are summarized in Table 6 of Appendix B and the laboratory analytical reports are provided in Appendix D.

In addition, the following field data was collected from the four monitoring wells:

- Depth to groundwater/LNAPL by oil-water interface probe
- Temperature by direct-read meter
- pH by direct-read meter
- Turbidity by direct-read meter
- Conductivity by direct-read meter

The collected field data is summarized in Table 7 of Appendix B.

# 4.0 Conclusions and Recommendations

The AS/SVE system operated consistently during the monitoring period until a blown fuse caused it to shut down on December 4, 2001. After replacement of the fuse, the SVE system could not be restarted because the vacuum blower was frozen and leaks were discovered in the moisture separator and the air inlet filter. The situation was discussed with the NS Mayport Partnering Team and the decision was made not to repair and restart the SVE system due to the possibility of system discontinuation following the verification soil sampling event. The resulting operational efficiency of the AS and SVE systems during the operating period was 96.0 percent and 99.7 percent, respectively.

During operation, the AS system actual flow rates for the sparge points averaged 38 percent of the design flow rates. During operation, the SVE system average actual air flow rates averaged 68 percent of the design flow rates due to the groundwater table elevation.

CCI/J.A. Jones recommends keeping the AS/SVE systems shut down based on the following considerations:

- Groundwater concentrations in the four sampled onsite monitoring wells are significantly below FDEP NADSCs.
- BTEX and TRPH concentrations in the soil do not exceed FDEP Direct Exposure SCTLs.
- Benzene, ethylbenzene, and xylenes concentrations in the soil exceed the FDEP Leachability SCTLs; however, these contaminants are below FDEP GCTLs in the four sampled onsite monitoring wells, indicating these contaminants are not leaching to the groundwater.
- Benzo (a) pyrene concentration in the soils exceeds the FDEP Direct Exposure Residential SCTL; however, benzo (a) pyrene is not readily removed by SVE.

Since groundwater concentrations continue to exceed FDEP GCTLs, CCI/JA Jones recommends continuing quarterly groundwater monitoring of the same four monitoring wells until two consecutive quarters occur with no groundwater contaminant concentrations above FDEP GCTLs.

# 5.0 References

Bechtel Environmental, Inc. January 1995. Remediation Work Plan for Building 25, U.S. Naval Station, Mayport, Florida.

Bechtel Environmental, Inc. July 1999. 1998 Annual Report for the Soil Vapor Extraction and Air Sparge System at Building 25, Naval Station Mayport, Florida; Revision 1.

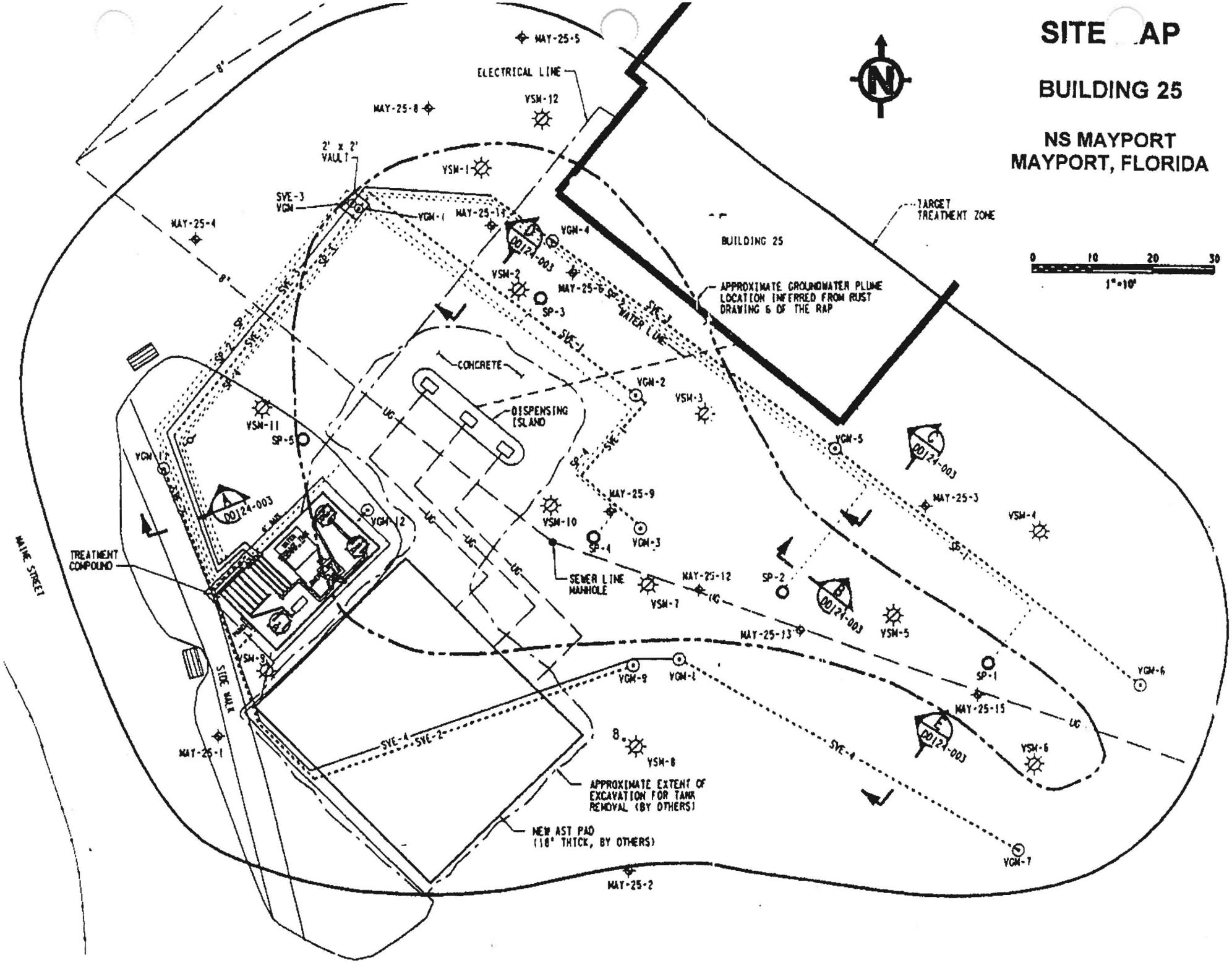
Bechtel Environmental, Inc. February 1998. Operation and Maintenance Manual, Building 25 Soil Vapor Extraction and Air Sparging System, Naval Station Mayport, Mayport, Florida.

RUST Environment and Infrastructure, Inc. September 1993. Remedial Action Plan, Naval Station Mayport, Building 25 - Transportation Shop, Mayport, Florida.

RUST Environment and Infrastructure, Inc. April 1994. Remedial Action Plan, Naval Station Mayport, Building 25 - Transportation Shop, Mayport, Florida; Revision 1.

# Appendix A

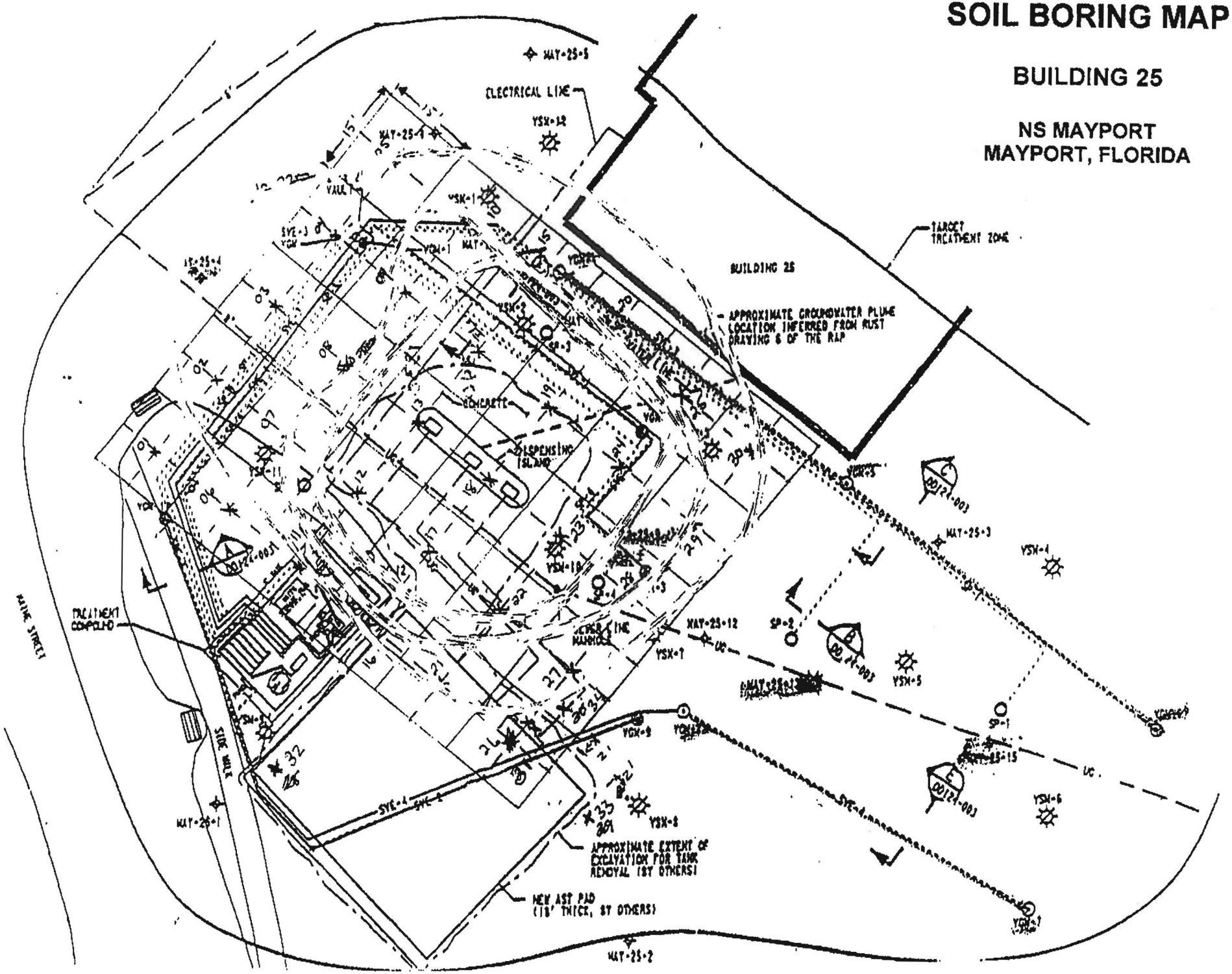
# Maps


SITE MAP
BUILDING 25
NS MAYPORT
MAYPORT, FLORIDA
N
0 10 20 30
1"=10'
BUILDING 25
TARGET TREATMENT ZONE
APPROXIMATE GROUNDWATER PLUME LOCATION INFERRED FROM RUST DRAWING 6 OF THE RAP
ELECTRICAL LINE
2' x 2' VAULT
SVE-3
VGM
CONCRETE
DISPENSING ISLAND
TREATMENT COMPOUND
SEWER LINE MANHOLE
APPROXIMATE EXTENT OF EXCAVATION FOR TANK REMOVAL (BY OTHERS)
NEW AST PAD (18" THICK, BY OTHERS)
MAINE STREET
SIDE WALK
WATER LINE
MAY-25-5
MAY-25-8
MAY-25-4
MAY-25-13
MAY-25-6
MAY-25-9
MAY-25-3
MAY-25-12
MAY-25-13
MAY-25-15
MAY-25-1
MAY-25-2
VSM-12
VSM-1
VSM-2
VSM-3
VSM-4
VSM-5
VSM-6
VSM-7
VSM-8
VSM-9
VSM-10
VSM-11
VGM-1
VGM-2
VGM-3
VGM-4
VGM-5
VGM-6
VGM-7
VGM-8
VGM-9
VGM-10
VGM-12
SP-1
SP-2
SP-3
SP-4
SP-5
SVE-1
SVE-2
SVE-4
UG
8'
00124-003

# SOIL BORING MAP

## BUILDING 25

NS MAYPORT
MAYPORT, FLORIDA



# Appendix B

# Tables

**TABLE 1**
Air Sparge System - Sparge Well Measurements

| Date | SP-1 | | SP-2 | | SP-3 | | SP-4 | | SP-5 | | AS BLOWER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PSI | SCFM | PSI | SCFM | PSI | SCFM | PSI | SCFM | PSI | SCFM | PSI | SCFM |
| 04/04/00 | 8.0 | 20.9 | 8.0 | 3.1 | 8.0 | 0.0 | 8.0 | 7.3 | 8.0 | 10.4 | 10.0 | 84.2 |
| 04/13/00 | 7.5 | 10.4 | 7.6 | 5.2 | 7.5 | 5.2 | 7.5 | 7.3 | 7.4 | 20.9 | 10.0 | 84.2 |
| 04/20/00 | 7.0 | 20.9 | 7.1 | 5.2 | 7.0 | 8.4 | 7.0 | 5.2 | 6.5 | 11.5 | 10.0 | 84.2 |
| 04/27/00 | 6.5 | 20.9 | 6.5 | 5.2 | 6.5 | 8.4 | 6.5 | 5.2 | 6.0 | 11.5 | 10.0 | 84.2 |
| 05/02/00 | 6.0 | 20.9 | 7.0 | 5.2 | 7.0 | 8.4 | 7.0 | 5.2 | 7.0 | 11.5 | 10.0 | 84.2 |
| 05/08/00 | 6.0 | 20.9 | 6.5 | 5.2 | 6.5 | 8.4 | 6.5 | 5.2 | 6.5 | 12.5 | 10.0 | 84.2 |
| 05/16/00 | 6.5 | 20.9 | 6.8 | 5.2 | 6.5 | 8.4 | 6.5 | 5.2 | 6.5 | 12.5 | 10.0 | 82.1 |
| 05/24/00 | 6.5 | 20.9 | 6.5 | 5.2 | 6.0 | 8.4 | 6.5 | 5.2 | 6.5 | 12.5 | 10.0 | 82.1 |
| 05/31/00 | 7.0 | 20.9 | 7.0 | 5.2 | 6.5 | 7.3 | 7.0 | 5.2 | 7.0 | 10.4 | 10.0 | 84.2 |
| 06/08/00 | 7.0 | 20.9 | 7.0 | 5.2 | 7.0 | 8.4 | 7.0 | 5.2 | 7.0 | 11.5 | 10.0 | 80.0 |
| 06/15/00 | 6.0 | 20.9 | 6.5 | 8.4 | 6.0 | 5.2 | 6.5 | 5.2 | 6.5 | 12.5 | 10.0 | 82.1 |
| 06/19/00 | 7.0 | 20.9 | 7.0 | 5.2 | 6.5 | 7.3 | 6.5 | 5.2 | 6.5 | 10.4 | 10.0 | 82.1 |
| 06/27/00 | 7.0 | 20.9 | 7.0 | 5.2 | 7.0 | 7.3 | 7.0 | 5.2 | 7.0 | 10.4 | 10.0 | 80.0 |
| 07/12/00 | 6.5 | 20.9 | 7.0 | 5.2 | 6.5 | 8.4 | 6.5 | 5.2 | 6.5 | 10.4 | 10.0 | 75.8 |
| 07/20/00 | 5.5 | 20.9 | 6.0 | 5.2 | 5.5 | 8.4 | 5.5 | 5.2 | 5.5 | 11.5 | 9.5 | 75.8 |
| 07/28/00 | 7.0 | 20.9 | 7.5 | 5.2 | 7.0 | 7.3 | 7.0 | 5.2 | 7.0 | 12.5 | 10.0 | 75.8 |
| 08/01/00 | 6.0 | 19.8 | 6.5 | 5.2 | 6.0 | 8.4 | 6.0 | 5.2 | 6.0 | 10.4 | 9.5 | 75.8 |
| 08/10/00 | 7.0 | 20.9 | 7.0 | 5.2 | 6.5 | 7.3 | 6.5 | 5.2 | 6.5 | 10.4 | 10.0 | 75.8 |
| 08/15/00 | 6.0 | 20.9 | 6.0 | 5.2 | 6.0 | 8.4 | 6.0 | 5.2 | 6.0 | 10.4 | 9.5 | 75.8 |
| 08/22/00 | 6.0 | 20.9 | 6.0 | 5.2 | 6.0 | 8.4 | 6.0 | 5.2 | 6.0 | 10.4 | 9.5 | 75.8 |
| 08/30/00 | 8.5 | 15.7 | 9.0 | 5.2 | 9.0 | 0.0 | 8.5 | 0.0 | 8.5 | 10.4 | 10.0 | 75.8 |
| 09/05/00 | 8.5 | 5.2 | 9.0 | 5.2 | 8.5 | 5.2 | 8.5 | 5.2 | 8.5 | 10.4 | 10.5 | 75.8 |
| 09/13/00 | 8.8 | 7.3 | 8.5 | 5.2 | 9.0 | 1.0 | 8.5 | 1.0 | 8.0 | 1.0 | 9.0 | 77.9 |
| 09/19/00 | 9.0 | 7.3 | 9.0 | 5.2 | 9.5 | 2.1 | 9.0 | 2.1 | 8.0 | 10.4 | 9.0 | 80.0 |
| 09/26/00 | 8.5 | 6.3 | 9.0 | 5.2 | 9.0 | 2.1 | 9.0 | 2.1 | 8.5 | 2.1 | 9.0 | 80.0 |
| 10/04/00 | 9.0 | 6.3 | 9.5 | 5.2 | 9.5 | 5.2 | 9.0 | 5.2 | 9.0 | 5.2 | 9.0 | 80.0 |
| 10/11/00 | 9.0 | 7.3 | 9.0 | 5.2 | 9.0 | 2.1 | 8.5 | 2.1 | 8.5 | 11.5 | 9.0 | 80.0 |
| 10/19/00 | 8.5 | 8.4 | 8.5 | 6.3 | 8.5 | 5.2 | 8.5 | 3.1 | 8.5 | 11.5 | 9.0 | 80.0 |
| 10/24/00 | 9.0 | 5.2 | 9.5 | 5.2 | 9.5 | 2.1 | 9.0 | 2.1 | 9.0 | 9.4 | 9.0 | 52.6 |
| 10/31/00 | 8.5 | 5.2 | 9.0 | 5.2 | 9.0 | 1.0 | 8.5 | 1.0 | 8.5 | 9.4 | 9.0 | 67.4 |
| 11/09/00 | 8.0 | 7.3 | 8.5 | 5.2 | 8.5 | 1.0 | 8.5 | 1.0 | 8.5 | 8.9 | 9.0 | 73.7 |
| 11/14/00 | 9.0 | 10.4 | 9.5 | 5.2 | 9.5 | 1.0 | 9.0 | 1.0 | 9.0 | 8.4 | 9.0 | 21.1 |
| 11/21/00 | 9.5 | 20.9 | 10.5 | 5.2 | 10.5 | 1.0 | 9.5 | 1.0 | 10 | 1.0 | 9.0 | 58.9 |
| 11/28/00 | 9.0 | 20.9 | 9.5 | 5.2 | 9.5 | 1.0 | 8.5 | 1.0 | 8.0 | 10.4 | 9.0 | 21.1 |
| 12/06/00 | 9.0 | 15.7 | 9.5 | 7.3 | 9.0 | 1.0 | 9.0 | 1.0 | 8.5 | 10.4 | 9.0 | 42.1 |
| 12/12/00 | 8.5 | 10.4 | 9.0 | 7.3 | 8.5 | 1.0 | 8.0 | 1.0 | 8.0 | 1.0 | 9.0 | NR |
| 12/22/00 | 9.0 | 7.3 | 10.0 | 6.3 | 10.0 | 1.0 | 9.5 | 1.0 | 9.0 | 1.0 | 9.0 | NR |
| 01/05/01 | 8.5 | 8.4 | 9.5 | 5.2 | 9.5 | 1.0 | 9.0 | 1.0 | 8.0 | 1.0 | 9.0 | NR |
| 01/06/01 | 9.0 | 12.5 | 10.0 | 5.2 | 9.5 | 1.0 | 9.5 | 1.0 | 9.0 | 1.0 | 9.0 | NR |
| 01/17/01 | 8.5 | 16.7 | 9.5 | 5.2 | 9.0 | 1.0 | 8.5 | 1.0 | 8.0 | 1.0 | 9.0 | NR |
| 01/23/01 | 8.5 | 10.4 | 10.0 | 6.3 | 9.5 | 1.0 | 9.0 | 1.0 | 9.0 | 1.0 | 9.0 | NR |
| 01/30/01 | 8.0 | 10.4 | 9.0 | 5.2 | 9.0 | 1.0 | 8.5 | 1.0 | 8.0 | 1.0 | 9.0 | NR |
| 02/13/01 | 8.0 | 15.7 | 9.0 | 2.1 | 9.0 | 2.1 | 8.0 | 1.0 | 8.0 | 1.0 | 9.0 | NR |
| 02/20/01 | 7.5 | 15.7 | 8.5 | 5.2 | 7.0 | 1.0 | 7.0 | 1.0 | 7.0 | 1.0 | 9.0 | NR |
| 03/28/01 | 8.0 | 5.2 | 9.0 | 5.2 | 8.5 | 1.0 | 8.0 | 1.0 | 8.0 | 1.0 | 9.0 | 75.8 |
| 04/02/01 | 8.0 | 5.2 | 8.0 | 5.2 | 7.5 | 1.0 | 7.0 | 1.0 | 7.5 | 1.0 | 9.0 | 71.6 |
| 04/09/01 | 7.0 | 52.2 | 7.0 | 10.4 | 7.0 | 20.9 | 7.0 | 10.4 | 7.0 | NR | 8.0 | 67.4 |
| 04/16/01 | 7.0 | 10.4 | 8.0 | 5.2 | 7.0 | 1.0 | 7.0 | 1.0 | 7.0 | 1.0 | 9.0 | 67.4 |
| 04/23/01 | 5.5 | 8.4 | 5.5 | NR | 5.0 | NR | 5.0 | NR | 6.0 | NR | 9.0 | 75.8 |

**TABLE 1**

Air Sparge System - Sparge Well Measurements

| Date | SP-1 | | SP-2 | | SP-3 | | SP-4 | | SP-5 | | AS BLOWER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PSI | SCFM | PSI | SCFM | PSI | SCFM | PSI | SCFM | PSI | SCFM | PSI | SCFM |
| 05/03/01 | 7.0 | 7.3 | 8.0 | NR | 7.0 | NR | 7.0 | NR | 7.0 | NR | 9.0 | 67.4 |
| 05/08/01 | 6.5 | 7.3 | 6.0 | NR | 6.0 | NR | 5.5 | NR | 6.0 | NR | 9.0 | 71.6 |
| 05/16/01 | 7.0 | NR | 7.5 | NR | 7.0 | NR | 7.0 | NR | 7.5 | NR | 9.0 | NR |
| 05/22/01 | 6.0 | 8.4 | 6.5 | NR | 5.5 | NR | 5.5 | NR | 6.0 | NR | 9.0 | 80.0 |
| 05/29/01 | 5.5 | 8.4 | 5.5 | NR | 5.0 | NR | 5.0 | NR | 5.0 | NR | 9.0 | 75.8 |
| 06/20/01 | 6.0 | 10.4 | 6.0 | NR | 5.0 | NR | 5.0 | NR | 5.0 | NR | 9.0 | 80.0 |
| 06/26/01 | 5.0 | 8.4 | 5.5 | NR | 5.0 | NR | 5.0 | NR | 5.0 | NR | 8.0 | 80.0 |
| 07/03/01 | 5.0 | NR | 5.0 | NR | 6.0 | NR | 5.0 | NR | 5.0 | NR | 8.0 | NR |
| 07/09/01 | 5.0 | 10.4 | 6.0 | NR | 5.0 | NR | 5.0 | NR | 5.5 | NR | 8.0 | 80.0 |
| 07/17/01 | 6.0 | 7.3 | 6.0 | NR | 5.5 | NR | 5.5 | NR | 5.5 | NR | 9.0 | 80.0 |
| 07/26/01 | 6.0 | 14.6 | 6.5 | NR | 6.0 | NR | 6.0 | NR | 6.0 | NR | 9.0 | 80.0 |
| 07/31/01 | 6.0 | 10.4 | 6.5 | NR | 6.0 | NR | 6.0 | NR | 6.0 | NR | 9.0 | 80.0 |
| 08/07/01 | 5.0 | 18.8 | 5.5 | NR | 5.0 | NR | 5.0 | NR | 5.0 | NR | 9.0 | 80.0 |
| 08/16/01 | 4.5 | 6.3 | 5.0 | NR | 4.0 | NR | 4.0 | NR | 4.0 | NR | 9.0 | 84.2 |
| 08/23/01 | 4.5 | 4.2 | 5.0 | NR | 4.5 | NR | 4.0 | NR | 4.5 | NR | 9.0 | 84.2 |
| 08/27/01 | 4.5 | 9.4 | 5.0 | NR | 4.0 | NR | 4.0 | NR | 4.5 | NR | 9.0 | 80.0 |
| 09/10/01 | 4.5 | 8.4 | 5.0 | NR | 4.5 | NR | 4.0 | NR | 4.0 | NR | 9.0 | 77.9 |
| 09/24/01 | 4.5 | 7.3 | 5.0 | NR | 4.5 | NR | 4.0 | NR | 4.0 | NR | 9.0 | 54.7 |
| 10/02/01 | 5.0 | 12.5 | 5.0 | NR | 4.0 | NR | 4.0 | NR | 4.0 | NR | 9.0 | 54.7 |
| 10/16/01 | 4.0 | 6.3 | 5.0 | NR | 4.0 | NR | 4.0 | NR | 4.5 | NR | 9.0 | 54.7 |
| 11/01/01 | 4.0 | 7.3 | 5.0 | NR | 4.0 | NR | 4.0 | NR | 4.0 | NR | 9.0 | 54.7 |
| 11/16/01 | 4.0 | 5.2 | 6.0 | NR | 4.0 | NR | 4.0 | NR | 4.0 | NR | 9.0 | 75.8 |
| 11/29/01 | 3.0 | 5.2 | 5.0 | NR | 3.5 | NR | 3.0 | NR | 3.0 | NR | 9.0 | 75.8 |
| 01/00/00 | 0.0 | 0.0 | 0.0 | NR | 0.0 | NR | 0.0 | NR | 0.0 | NR | 0.0 | 0.0 |

NR = Not Recorded

PSI = pounds per square inch

SCFM = standard cubic feet per minute

**TABLE 2**
SVE System - Extraction Well Measurements

| Date | SVE1 | | SVE2 | | SVE3 | | SVE4 | | SVE Blower | |
|---|---|---|---|---|---|---|---|---|---|---|
| | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM |
| 12/05/96 | 0.0 | 147.0 | 0.0 | 85.0 | 0.0 | 85.0 | 0.0 | 76.0 | 58.0 | 332.0 |
| 12/06/96 | 2.0 | 102.0 | 2.0 | 96.0 | 11.0 | >126.0 | 5.0 | 92.0 | 30.0 | 480.0 |
| 12/10/96 | 2.0 | 102.0 | 1.0 | 96.0 | 10.0 | NR | 0.0 | 94.0 | 30.0 | 497.0 |
| 12/12/96 | 2.6 | 133.0 | 2.4 | 109.0 | 7.0 | 120.0 | 4.8 | 90.0 | 40.0 | 471.0 |
| 12/19/96 | 5.0 | 147.0 | 5.0 | NR | 2.2 | 107.0 | 3.0 | 83.0 | 54.0 | 471.0 |
| 01/02/97 | 3.0 | 130.0 | 2.4 | 107.0 | 7.2 | NR | 5.2 | 96.0 | 42.0 | 454.0 |
| 01/13/97 | 4.1 | 191.0 | 2.4 | 120.0 | 2.0 | 118.0 | 5.0 | 96.0 | 47.0 | 445.0 |
| 01/16/97 | 6.4 | >191.0 | 4.0 | >122.0 | 3.0 | >122.0 | 8.2 | 87.0 | 42.0 | 454.0 |
| 01/21/97 | 3.5 | 191.0 | 2.0 | 122.0 | 1.8 | 122.0 | 4.8 | 92.0 | 48.0 | 489.0 |
| 02/14/97 | 5.0 | 191.0 | 3.5 | 122.0 | 0.0 | 0.0 | 0.0 | 0.0 | 68.0 | 279.0 |
| 02/24/97 | 0.0 | 0.1 | 0.0 | 0.0 | 2.0 | 122.0 | 2.0 | 122.0 | 74.0 | 209.0 |
| 02/27/97 | 5.4 | 198.0 | 3.3 | 126.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55.0 | 297.0 |
| 03/12/97 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 126.0 | 8.0 | 126.0 | 72.0 | 209.0 |
| 04/03/97 | 32.0 | >198.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.0 | 506.0 |
| 04/07/97 | 13.5 | 341.0 | 11.0 | 283.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 236.0 |
| 04/24/97 | 18.0 | 0.0 | 0.0 | 0.0 | 12.0 | 229.0 | 0.0 | 0.0 | 22.0 | NR |
| 05/01/97 | 13.8 | 324.0 | 8.2 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.0 | NR |
| 05/05/97 | 10.8 | 309.0 | 0.0 | 0.0 | 10.5 | 207.0 | 0.0 | 0.0 | 40.0 | NR |
| 05/08/97 | 13.5 | 341.0 | 0.0 | 0.0 | 0.0 | 0.0 | >15.0 | 181.0 | 42.0 | NR |
| 05/12/97 | 15+ | 324.0 | 10.0 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.0 | NR |
| 05/15/97 | 10.3 | 324.0 | 13.0 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.0 | NR |
| 05/19/97 | 12.0 | 324.0 | 0.0 | 0.0 | 0.0 | 0.0 | >15.0 | 174.0 | 48.0 | NR |
| 05/22/97 | 15.0 | 341.0 | 0.5 | 0.0 | 0.0 | 0.0 | 11.5 | 174.0 | 50.0 | NR |
| 05/29/97 | 14.5 | 341.0 | 1.5 | 0.0 | 10.5 | 196.0 | 0.0 | 0.0 | 50.0 | NR |
| 06/02/97 | 15.0 | 324.0 | 10.0 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.0 | NR |
| 06/09/97 | 14.8 | 324.0 | 0.0 | 0.0 | 11.4 | 207.0 | 0.0 | 0.0 | 50.0 | NR |
| 06/12/97 | 14.0 | 324.0 | 7.8 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.0 | NR |
| 07/07/97 | 12.8 | 324.0 | 6.5 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.0 | NR |
| 07/10/97 | 15.5 | 324.0 | 0.0 | 0.0 | 12.7 | 207.0 | 0.0 | 0.0 | 56.0 | NR |
| 07/27/97 | 12.4 | 324.0 | 0.0 | 0.0 | 11.0 | 207.0 | 0.0 | 0.0 | 46.0 | NR |
| 07/30/97 | 13.8 | 324.0 | 7.2 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.0 | NR |
| 08/12/97 | 14.0 | 324.0 | 0.0 | 0.0 | 11.8 | 207.0 | 0.0 | 0.0 | 48.0 | NR |
| 08/20/97 | 20.0 | 324.0 | 9.3 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.0 | NR |
| 08/28/97 | 13.8 | 324.0 | 6.5 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.0 | NR |
| 09/11/97 | 11.3 | 324.0 | 0.0 | 0.0 | 10.6 | 207.0 | 0.0 | 0.0 | 50.0 | NR |
| 09/16/97 | >15.0 | 324.0 | 6.0 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.0 | NR |
| 09/23/97 | 13.5 | 324.0 | 0.0 | 0.0 | 11.0 | 207.0 | 0.0 | 0.0 | 42.0 | NR |
| 09/29/97 | >15.0 | 324.0 | 8.0 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | NR |
| 10/08/97 | >15.0 | 324.0 | 6.8 | 207.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.0 | NR |
| 10/22/97 | >15.0 | 324.0 | 0.0 | 0.0 | 8.0 | 207.0 | 0.0 | 0.0 | 42.0 | NR |
| 10/28/97 | >15.0 | 324.0 | 0.0 | 0.0 | 5.0 | 207.0 | 0.0 | 0.0 | 41.0 | NR |
| 03/04/98 | 7.0 | 256.0 | 0.0 | 0.0 | 7.0 | 164.0 | 0.0 | 0.0 | 62.0 | NR |
| 03/12/98 | 6.3 | 256.0 | 0.0 | 0.0 | 7.0 | 164.0 | 0.0 | 0.0 | 60.0 | NR |
| 05/06/98 | 10.0 | 324.0 | 0.0 | 0.0 | 4.0 | 153.0 | 0.0 | 0.0 | NR | NR |
| 06/22/98 | 0.0[1] | 324.0 | 0.0 | 0.0 | 0.0[1] | 153.0 | 0.5 | 33.0 | 58.0 | NR |
| 07/06/98 | 0.0[1] | 324.0 | 0.0 | 0.0 | 0.0[1] | 142.0 | 0.5 | 0.0 | 58.0 | NR |
| 08/05/98 | 0.0[1] | 272.8 | 0.0 | 0.0 | 0.0[1] | 152.6 | 0.0 | 0.0 | 55.0 | NR |
| 08/12/98 | 0.0[1] | 272.8 | 0.0 | 0.0 | 0.0[1] | 141.7 | 0.0 | 0.0 | 58.0 | 366.5 |

**TABLE 2**
SVE System - Extraction Well Measurements

| Date | SVE1 | | SVE2 | | SVE3 | | SVE4 | | SVE Blower | |
|---|---|---|---|---|---|---|---|---|---|---|
| | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM |
| 09/15/98 | 0.0[1] | 307.0 | 0.0 | 0.0 | 0.0[1] | 152.6 | 0.0 | 0.0 | 55.0 | 392.7 |
| 09/29/98 | 0.0[1] | 290.0 | 0.0 | 0.0 | 0.0[1] | 152.6 | 0.0 | 0.0 | 55.0 | 392.7 |
| 10/06/98 | 0.0[1] | 315.4 | 0.0 | 0.0 | 0.0[1] | 152.6 | 0.0 | 0.0 | 58.0 | 383.9 |
| 11/04/98 | 0.0[1] | 298.4 | 0.0 | 0.0 | 0.0[1] | 152.6 | 0.0 | 0.0 | 57.0 | 418.9 |
| 12/07/98 | 0.0[1] | 272.8 | 0.0 | 0.0 | 0.0[1] | 152.6 | 0.0 | 0.0 | NR | 392.7 |
| 12/15/98 | 0.0[1] | 255.7 | 0.0 | 0.0 | 0.0[1] | 196.2 | 0.0 | 0.0 | 60.0 | 410.2 |
| 01/04/99 | 10.0 | 324.0 | NA | NA | 9.0 | 152.6 | NA | NA | 60.0 | 392.7 |
| 01/25/99 | 9.0 | 306.9 | NA | NA | 7.5 | 174.4 | NA | NA | 60.0 | 392.7 |
| 02/02/99 | 10.0 | 306.9 | NA | NA | 8.0 | 152.6 | NA | NA | 60.0 | 349.1 |
| 02/16/99 | 12.0 | 324.0 | NA | NA | 10.0 | 158.1 | NA | NA | 60.0 | 401.4 |
| 03/08/99 | 13.0 | NR | NA | NA | 6.0 | 154.8 | NA | NA | 62.0 | 370.9 |
| 03/29/99 | 12.0 | NR | NA | NA | 8.0 | 163.5 | NA | NA | 62.0 | 375.3 |
| 04/07/99 | 14.0 | NR | NA | NA | 8.0 | 163.5 | NA | NA | 75.0 | 436.4 |
| 04/12/99 | 6.0 | 341.0 | NA | NA | 9.0 | 218.0 | NA | NA | 76.0 | 366.5 |
| 04/21/99 | 7.0 | 375.0 | Note 2 | Note 2 | 10.0 | 218.0 | NA | NA | 76.0 | 366.5 |
| 05/10/99 | 6.5 | 409.0 | Note 2 | Note 2 | 10.0 | 218.0 | NA | NA | 75.0 | 357.8 |
| 05/27/99 | 6.0 | 324.0 | Note 2 | Note 2 | 9.0 | 214.0 | NA | NA | 76.0 | 357.8 |
| 06/03/99 | 5.0 | 281.0 | Note 2 | Note 2 | 9.0 | 218.0 | NA | NA | 79.0 | 349.1 |
| 06/15/99 | 5.0 | 273.0 | Note 2 | Note 2 | 8.0 | 164.0 | 5.0 | 131.0 | 52.0 | NR |
| 06/30/99 | 8.0 | 358.0 | Note 2 | Note 2 | 9.0 | 185.0 | 3.0 | 131.0 | 70.0 | 610.9 |
| 07/08/99 | 6.0 | 321.0 | Note 2 | Note 2 | 7.0 | 239.0 | 10.0 | 109.0 | 70.0 | 436.0 |
| 07/19/99 | 5.0 | 358.0 | Note 2 | Note 2 | 7.0 | 174.0 | 8.0 | 109.0 | 70.0 | 428.0 |
| 07/28/99 | NA | NA | Note 2 | Note 2 | 11.0 | 240.0 | 21.0 | 196.0 | 72.0 | 459.0 |
| 08/04/99 | NA | NA | Note 2 | Note 2 | 12.0 | 240.0 | 6.0 | 187.0 | 75.0 | 436.0 |
| 08/09/99 | NA | NA | Note 2 | Note 2 | 12.0 | 240.0 | 6.0 | 185.0 | 76.0 | 436.0 |
| 08/31/99 | NA | NA | Note 2 | Note 2 | 11.0 | 229.0 | 22.0 | 207.0 | 76.0 | 410.0 |
| 09/07/99 | NA | NA | Note 2 | Note 2 | 10.0 | NR | 6.8 | NR | 58.0 | NR |
| 10/07/99 | NA | NA | Note 2 | Note 2 | 11.0 | 230.0 | NA | NA | NR | NR |
| 10/12/99 | NA | NA | Note 2 | Note 2 | 11.0 | 250.0 | NA | NA | NR | NR |
| 10/18/99 | NA | NA | Note 2 | Note 2 | 12.0 | 230.0 | NA | NA | NR | NR |
| 10/25/99 | NA | NA | Note 2 | Note 2 | 11.0 | 240.0 | 11.0 | NR | NR | NR |
| 11/01/99 | NA | NA | Note 2 | Note 2 | 11.0 | 240.0 | 13.5 | NR | NR | NR |
| 11/08/99 | NA | NA | Note 2 | Note 2 | 10.0 | 240.0 | 11.0 | NR | NR | NR |
| 11/15/99 | NA | NA | Note 2 | Note 2 | 13.0 | 283.0 | 32.0 | 294.0 | NR | NR |
| 11/22/99 | NA | NA | Note 2 | Note 2 | 19.0 | 327.0 | 35.0 | 153.0 | NR | NR |
| 11/29/99 | NA | NA | Note 2 | Note 2 | 20.0 | 262.0 | 20.0 | NR | NR | NR |
| 12/08/99 | 4.0 | 94.0 | Note 2 | Note 2 | 8.0 | 100.0 | 6.0 | 100.0 | NR | NR |
| 12/14/99 | 0.0 | 94.0 | Note 2 | Note 2 | 5.0 | 100.0 | 8.0 | 100.0 | NR | NR |
| 12/22/99 | 0.0 | 94.0 | Note 2 | Note 2 | 0.0 | 100.0 | 12.0 | 22.0 | NR | NR |
| 12/30/99 | 0.0 | 94.0 | Note 2 | Note 2 | 5.0 | 98.0 | 8.0 | 100.0 | NR | NR |
| 04/04/00 | 5.0 | 109.1 | Note 2 | Note 2 | 0.0 | 100.3 | 0.0 | 119.9 | 10.0 | 279.3 |
| 04/13/00 | 0.0 | 184.1 | Note 2 | Note 2 | 0.0 | 104.6 | 12.0 | 65.4 | 14.0 | 261.8 |
| 04/20/00 | 5.0 | 122.8 | Note 2 | Note 2 | 0.0 | 100.3 | 0.0 | 117.7 | 10.0 | 279.3 |
| 04/27/00 | 6.0 | 115.9 | Note 2 | Note 2 | 2.0 | 100.3 | 2.0 | 117.7 | 12.0 | 279.3 |
| 05/02/00 | 8.0 | 109.1 | Note 2 | Note 2 | 4.0 | 100.3 | 4.0 | 117.7 | 14.0 | 279.3 |
| 05/08/00 | 10.0 | 122.8 | Note 2 | Note 2 | 4.0 | 91.6 | 4.0 | 113.4 | 12.0 | 279.3 |
| 05/16/00 | 10.0 | 115.9 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 14.0 | 261.8 |
| 05/24/00 | 10.0 | 122.8 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 113.4 | 12.0 | 279.3 |

**TABLE 2**
SVE System - Extraction Well Measurements

| Date | SVE1 | | SVE2 | | SVE3 | | SVE4 | | SVE Blower | |
|---|---|---|---|---|---|---|---|---|---|---|
| | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM |
| 05/31/00 | 10.0 | 122.8 | Note 2 | Note 2 | 0.0 | 91.6 | 0.0 | 113.4 | 12.0 | 279.3 |
| 06/08/00 | 10.0 | 122.8 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 12.0 | 279.3 |
| 06/15/00 | 10.0 | 115.9 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 13.0 | 279.3 |
| 06/19/00 | 10.0 | 115.9 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 13.0 | 279.3 |
| 06/27/00 | 10.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 14.0 | 261.8 |
| 07/12/00 | 10.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 13.0 | 261.8 |
| 07/20/00 | 10.0 | 129.6 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 12.0 | 279.3 |
| 07/28/00 | 10.0 | 109.1 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 109.0 | 14.0 | 261.8 |
| 08/01/00 | 10.0 | 122.8 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 12.0 | 261.8 |
| 08/10/00 | 10.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 12.0 | 261.8 |
| 08/15/00 | 10.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 113.4 | 14.0 | 261.8 |
| 08/22/00 | 2.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 126.4 | 10.0 | 279.3 |
| 08/30/00 | 10.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 109.0 | 18.0 | 226.9 |
| 09/05/00 | 14.0 | 54.6 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 109.0 | 16.0 | 209.4 |
| 09/13/00 | 10.0 | 143.2 | Note 2 | Note 2 | 2.0 | 76.3 | 2.0 | 98.1 | 16.0 | 244.4 |
| 09/19/00 | 14.0 | 122.8 | Note 2 | Note 2 | 2.0 | 78.5 | 2.0 | 95.9 | 16.0 | 235.6 |
| 09/26/00 | 10.0 | 150.0 | Note 2 | Note 2 | 2.0 | 74.1 | 2.0 | 95.9 | 15.0 | 226.9 |
| 10/04/00 | 10.0 | 81.8 | Note 2 | Note 2 | 2.0 | 74.1 | 2.0 | 95.9 | 14.0 | 192.0 |
| 10/11/00 | 10.0 | 150.0 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 12.0 | 244.4 |
| 10/19/00 | 8.0 | 160.3 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 12.0 | 244.4 |
| 10/24/00 | 10.0 | 75.0 | Note 2 | Note 2 | 2.0 | 95.9 | 2.0 | 104.6 | 14.0 | 209.4 |
| 10/31/00 | 10.0 | 122.8 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 12.0 | 226.9 |
| 11/09/00 | 8.0 | 143.2 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 14.0 | 235.6 |
| 11/14/00 | 10.0 | 98.9 | Note 2 | Note 2 | 2.0 | 90.5 | 2.0 | 107.9 | 13.0 | 218.2 |
| 11/21/00 | 6.0 | 133.0 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 109.0 | 12.0 | 244.4 |
| 11/28/00 | 8.0 | 115.9 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 12.0 | 226.9 |
| 12/06/00 | 7.0 | 129.6 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 10.0 | 244.4 |
| 12/12/00 | 8.0 | 129.6 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 12.0 | 244.4 |
| 12/22/00 | 6.0 | 133.0 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 244.4 |
| 01/05/01 | 2.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 235.6 |
| 01/06/01 | 2.0 | 109.1 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 218.2 |
| 01/17/01 | 6.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 100.3 | 10.0 | 226.9 |
| 01/23/01 | 6.0 | 102.3 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 11.0 | 226.9 |
| 01/30/01 | 6.0 | 85.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 218.2 |
| 02/13/01 | 6.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 8.0 | 226.9 |
| 02/20/01 | 6.0 | 95.5 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 253.1 |
| 02/26/01 | NR | 102.3 | Note 2 | Note 2 | NR | 21.8 | NR | 109.0 | 10.0 | 218.2 |
| 03/05/01 | 8.0 | 88.7 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 91.6 | 12.0 | 226.9 |
| 03/12/01 | 8.0 | 95.5 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 12.0 | 226.9 |
| 03/19/01 | 8.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 104.6 | 12.0 | 226.9 |
| 03/28/01 | 8.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 12.0 | 226.9 |
| 04/02/01 | 8.0 | 95.5 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 12.0 | 235.6 |
| 04/09/01 | NR | 102.3 | Note 2 | Note 2 | NR | 87.2 | NR | 102.5 | 7.0 | 226.9 |
| 04/16/01 | 8.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 244.4 |
| 04/23/01 | 6.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 10.0 | 244.4 |
| 05/03/01 | 8.0 | 109.1 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 12.0 | 244.4 |
| 05/08/01 | 8.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 12.0 | 226.9 |
| 05/16/01 | 8.0 | NR | Note 2 | Note 2 | 2.0 | NR | 2.0 | NR | NR | NR |
| 05/22/01 | 8.0 | 109.1 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 104.6 | 12.0 | 244.4 |

**TABLE 2**
SVE System - Extraction Well Measurements

| Date | SVE1 | | SVE2 | | SVE3 | | SVE4 | | SVE Blower | |
|---|---|---|---|---|---|---|---|---|---|---|
| | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM | in $H_2O$ | SCFM |
| 05/29/01 | 6.0 | 109.1 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 100.3 | 10.0 | 226.9 |
| 06/20/01 | 8.0 | 88.7 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 100.3 | 12.0 | 226.9 |
| 06/26/01 | 8.0 | 95.5 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 100.3 | 10.0 | 226.9 |
| 07/03/01 | 2.0 | NR | Note 2 | Note 2 | 0.0 | NR | 1.0 | NR | 10.0 | NR |
| 07/09/01 | 10.0 | 95.5 | Note 2 | Note 2 | 2.0 | 91.6 | 2.0 | 95.9 | 6.0 | 218.2 |
| 07/17/01 | 8.0 | 95.5 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 91.6 | 6.0 | 200.7 |
| 07/26/01 | 8.0 | 47.7 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 91.6 | 6.0 | 174.5 |
| 07/31/01 | 8.0 | 68.2 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 87.2 | 7.0 | 174.5 |
| 08/07/01 | 8.0 | 102.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 91.6 | 6.0 | 192.0 |
| 08/16/01 | 6.0 | 85.3 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 91.6 | NR | 174.5 |
| 08/23/01 | 8.0 | 88.7 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 87.2 | 6.0 | 192.0 |
| 08/27/01 | 6.0 | 81.8 | Note 2 | Note 2 | 2.0 | 87.2 | 2.0 | 87.2 | 6.0 | 200.7 |
| 09/10/01 | 8.0 | 95.5 | Note 2 | Note 2 | 2.0 | 82.8 | 2.0 | 87.2 | 8.0 | 209.4 |
| 09/24/01 | 2.0 | 17.1 | Note 2 | Note 2 | 2.0 | 52.3 | 2.0 | 48.0 | 2.0 | 174.5 |
| 10/02/01 | 2.0 | 34.1 | Note 2 | Note 2 | 2.0 | 43.6 | 2.0 | 48.0 | 10.0 | 174.5 |
| 10/16/01 | 2.0 | 34.1 | Note 2 | Note 2 | 2.0 | 48.0 | 2.0 | 43.6 | 8.0 | 139.6 |
| 11/01/01 | 2.0 | 34.1 | Note 2 | Note 2 | 2.0 | 21.8 | 2.0 | 21.8 | 0.0 | 87.3 |
| 11/16/01 | 0.0 | 0.0 | Note 2 | Note 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11/29/01 | 0.0 | 17.1 | Note 2 | Note 2 | 0.0 | 21.8 | 0.0 | 21.8 | 0.0 | 87.3 |

NA = Not Active
NR = Not Recorded
in $H_2O$ = inches of water column
SCFM = standard cubic feet per minute
Note 1: Gauge was not working properly.
Note 2 : SVE Lateral was destroyed and since the SVE system was operating successfully without the the lateral, it was decided not to repair and operate the lateral.

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| MAY-25-1 | 6.48 | 12/19/96 | -- | 3.00 | 3.48 |
| | | 01/21/97 | -- | 3.26 | 3.22 |
| | | 02/14/97 | -- | 3.48 | 3.00 |
| | | 02/24/97 | -- | 3.50 | 2.98 |
| | | 03/12/97 | -- | 3.72 | 2.76 |
| | | 04/10/97 | -- | 3.65 | 2.83 |
| | | 05/22/97 | -- | 2.70 | 3.78 |
| | | 07/30/97 | -- | 3.35 | 3.13 |
| | | 08/20/97 | -- | 2.48 | 4.00 |
| | | 09/29/97 | -- | 2.80 | 3.68 |
| | | 03/12/98 | -- | 1.97 | 4.51 |
| | | 06/10/98 | -- | 3.65 | 2.83 |
| | | 07/06/98 | -- | 4.59 | 1.89 |
| | | 08/12/98 | -- | 4.58 | 1.90 |
| | | 09/15/98 | -- | 3.42 | 3.06 |
| | | 10/07/98 | -- | 3.14 | 3.34 |
| | | 11/04/98 | -- | 3.23 | 3.25 |
| | | 12/07/98 | -- | 4.12 | 2.36 |
| | | 01/04/99 | -- | 3.70 | 2.78 |
| | | 02/02/99 | -- | 2.79 | 3.69 |
| | | 03/08/99 | -- | 3.57 | 2.91 |
| | | 04/07/99 | -- | 3.80 | 2.68 |
| | | 05/10/99 | -- | 3.76 | 2.72 |
| | | 06/02/99 | -- | 4.14 | 2.34 |
| | | 07/08/99 | -- | 4.77 | 1.71 |
| | | 08/04/99 | -- | 3.52 | 2.96 |
| | | 09/01/99 | -- | 3.70 | 2.78 |
| | | 11/23/99 | -- | 2.91 | 3.57 |
| | | 12/08/99 | -- | 3.63 | 2.85 |
| | | 04/27/00 | -- | 4.23 | 2.25 |
| | | 05/31/00 | -- | 4.47 | 2.01 |
| | | 08/22/00 | -- | 3.60 | 2.88 |
| | | 09/19/00 | -- | 1.95 | 4.53 |
| | | 10/31/00 | -- | 3.16 | 3.32 |
| | | 11/28/00 | -- | 3.05 | 3.43 |
| | | 12/12/00 | -- | 3.45 | 3.03 |
| | | 01/17/01 | -- | 3.78 | 2.70 |
| | | 02/20/01 | -- | 3.95 | 2.53 |
| | | 03/14/01 | -- | 3.84 | 2.64 |
| | | 04/24/01 | -- | 4.05 | 2.43 |
| | | 05/22/01 | -- | 4.12 | 2.36 |
| | | 06/26/01 | -- | 3.38 | 3.10 |
| | | 07/30/01 | -- | 4.58 | 1.90 |
| | | 08/27/01 | -- | 3.53 | 2.95 |
| | | 09/24/01 | -- | 2.16 | 4.32 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.30 | 3.18 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| MAY-25-2 | 6.79 | 05/31/00 | -- | 4.65 | 2.14 |
| | | 08/22/00 | -- | 3.85 | 2.94 |
| | | 09/19/00 | -- | 2.17 | 4.62 |
| | | 10/31/00 | -- | 3.39 | 3.40 |
| | | 11/28/00 | -- | 3.31 | 3.48 |
| | | 12/12/00 | -- | 3.70 | 3.09 |
| | | 01/17/01 | -- | 4.00 | 2.79 |
| | | 02/20/01 | -- | 4.20 | 2.59 |
| | | 03/14/01 | -- | 4.05 | 2.74 |
| | | 04/24/01 | -- | 4.25 | 2.54 |
| | | 05/22/01 | -- | 4.28 | 2.51 |
| | | 06/26/01 | -- | 3.57 | 3.22 |
| | | 07/30/01 | -- | 3.78 | 3.01 |
| | | 08/27/01 | -- | 3.72 | 3.07 |
| | | 09/24/01 | -- | 2.41 | 4.38 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.51 | 3.28 |
| MAY-25-3 | 7.12 | 12/19/96 | -- | 3.80 | 3.32 |
| | | 01/21/97 | -- | 3.86 | 3.26 |
| | | 02/24/97 | -- | 4.10 | 3.02 |
| | | 03/12/97 | -- | 4.70 | 2.42 |
| | | 04/10/97 | -- | 4.21 | 2.91 |
| | | 05/22/97 | -- | 3.40 | 3.72 |
| | | 07/30/97 | -- | 4.01 | 3.11 |
| | | 08/20/97 | -- | 3.22 | 3.90 |
| | | 09/29/97 | -- | 3.50 | 3.62 |
| | | 03/12/98 | -- | 2.21 | 4.91 |
| | | 05/26/98 | -- | 4.29 | 2.83 |
| | | 06/10/98 | -- | 3.86 | 3.26 |
| | | 07/06/98 | -- | 4.34 | 2.78 |
| | | 08/12/98 | -- | 4.36 | 2.76 |
| | | 09/15/98 | -- | 3.82 | 3.30 |
| | | 10/07/98 | -- | 3.40 | 3.72 |
| | | 11/04/98 | -- | 3.96 | 3.16 |
| | | 12/07/98 | -- | 4.45 | 2.67 |
| | | 01/04/99 | -- | 4.55 | 2.57 |
| | | 02/02/99 | -- | 3.62 | 3.50 |
| | | 03/08/99 | -- | 4.29 | 2.83 |
| | | 04/07/99 | -- | 4.52 | 2.60 |
| | | 05/10/99 | -- | 4.48 | 2.64 |
| | | 06/03/99 | -- | 4.83 | 2.29 |
| | | 07/08/99 | -- | 4.44 | 2.68 |
| | | 08/04/99 | -- | 4.36 | 2.76 |
| | | 09/01/99 | -- | 4.34 | 2.78 |
| | | 11/16/99 | -- | 3.81 | 3.31 |
| | | 12/08/99 | -- | 4.12 | 3.00 |
| | | 04/27/00 | -- | 5.22 | 1.90 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 05/31/00 | -- | 5.22 | 1.90 |
| | | 08/22/00 | -- | 4.43 | 2.69 |
| | | 09/19/00 | -- | 2.81 | 4.31 |
| | | 10/31/00 | -- | 3.96 | 3.16 |
| | | 11/28/00 | -- | 3.90 | 3.22 |
| | | 12/12/00 | -- | 4.24 | 2.88 |
| | | 01/17/01 | -- | 4.56 | 2.56 |
| | | 02/20/01 | -- | 4.75 | 2.37 |
| | | 03/14/01 | -- | 4.61 | 2.51 |
| | | 04/24/01 | -- | 4.61 | 2.51 |
| | | 05/22/01 | -- | 4.79 | 2.33 |
| | | 06/26/01 | -- | 4.14 | 2.98 |
| | | 07/30/01 | -- | 4.34 | 2.78 |
| | | 08/27/01 | -- | 4.27 | 2.85 |
| | | 09/24/01 | -- | 2.97 | 4.15 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 4.06 | 3.06 |
| MAY-25-4 | 6.37 | 12/19/96 | -- | 3.00 | 3.37 |
| | | 01/21/97 | -- | 2.90 | 3.47 |
| | | 02/14/97 | -- | 3.30 | 3.07 |
| | | 02/24/97 | -- | 3.35 | 3.02 |
| | | 03/12/97 | -- | 3.42 | 2.95 |
| | | 04/10/97 | -- | 3.44 | 2.93 |
| | | 05/22/97 | -- | 2.25 | 4.12 |
| | | 07/30/97 | -- | 3.18 | 3.19 |
| | | 08/20/97 | -- | 2.36 | 4.01 |
| | | 09/29/97 | -- | 2.57 | 3.80 |
| | | 03/12/98 | -- | 2.87 | 3.50 |
| | | 05/26/98 | -- | 3.45 | 2.92 |
| | | 06/10/98 | -- | 3.54 | 2.83 |
| | | 07/06/98 | -- | 3.95 | 2.42 |
| | | 08/12/98 | -- | 2.03 | 4.34 |
| | | 09/15/98 | -- | 2.90 | 3.47 |
| | | 10/07/98 | -- | 2.55 | 3.47 |
| | | 11/04/98 | -- | 3.13 | 3.47 |
| | | 12/07/98 | -- | 3.91 | 2.46 |
| | | 01/04/99 | -- | 3.55 | 2.82 |
| | | 02/02/99 | -- | 2.65 | 3.72 |
| | | 03/08/99 | -- | 3.45 | 2.92 |
| | | 04/07/99 | -- | 3.68 | 2.69 |
| | | 05/10/99 | -- | 3.64 | 2.73 |
| | | 06/03/99 | -- | 3.99 | 2.38 |
| | | 07/08/99 | -- | 3.59 | 2.78 |
| | | 08/04/99 | -- | 3.36 | 3.01 |
| | | 09/01/99 | -- | 3.55 | 2.82 |
| | | 11/16/99 | -- | 2.88 | 3.49 |
| | | 12/08/99 | -- | 3.37 | 3.00 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 04/27/00 | -- | 4.07 | 2.30 |
| | | 05/31/00 | -- | 4.40 | 1.97 |
| | | 06/15/00 | -- | 5.40 | 0.97 |
| | | 08/22/00 | -- | 3.30 | 3.07 |
| | | 09/19/00 | -- | 1.95 | 4.42 |
| | | 10/19/00 | -- | 3.10 | 3.27 |
| | | 10/31/00 | -- | 3.16 | 3.21 |
| | | 11/28/00 | -- | 3.00 | 3.37 |
| | | 12/12/00 | -- | 3.38 | 2.99 |
| | | 01/17/01 | -- | 3.68 | 2.69 |
| | | 02/20/01 | -- | 3.83 | 2.54 |
| | | 03/14/01 | -- | 3.74 | 2.63 |
| | | 04/24/01 | -- | 3.95 | 2.42 |
| | | 05/22/01 | -- | 3.99 | 2.38 |
| | | 06/26/01 | -- | 3.25 | 3.12 |
| | | 07/30/01 | -- | 3.48 | 2.89 |
| | | 08/27/01 | -- | 3.43 | 2.94 |
| | | 09/24/01 | -- | 2.27 | 4.10 |
| | | 12/06/01 | -- | 3.77 | 2.60 |
| | | 12/06/01 | -- | 3.77 | 2.60 |
| | | 03/25/02 | -- | 3.21 | 3.16 |
| MAY-25-5 | 6.73 | 12/19/96 | -- | 3.30 | 3.43 |
| | | 01/21/97 | -- | 3.30 | 3.43 |
| | | 02/14/97 | -- | 3.68 | 3.05 |
| | | 02/24/97 | -- | 3.75 | 2.98 |
| | | 03/12/97 | -- | 3.77 | 2.96 |
| | | 04/10/97 | -- | 3.90 | 2.83 |
| | | 05/22/97 | -- | 2.63 | 4.10 |
| | | 07/30/97 | -- | 3.54 | 3.19 |
| | | 08/20/97 | -- | 2.78 | 3.95 |
| | | 09/29/97 | -- | 3.00 | 3.73 |
| | | 03/12/98 | -- | 2.03 | 4.70 |
| | | 05/26/98 | -- | 3.85 | 2.88 |
| | | 06/10/98 | -- | 3.93 | 2.80 |
| | | 07/06/98 | -- | 4.35 | 2.38 |
| | | 08/12/98 | -- | 3.63 | 3.10 |
| | | 09/15/98 | -- | 3.21 | 3.52 |
| | | 10/07/98 | -- | 2.95 | 3.78 |
| | | 11/04/98 | -- | 3.55 | 3.18 |
| | | 12/07/98 | -- | 3.96 | 2.77 |
| | | 01/04/99 | -- | 3.90 | 2.83 |
| | | 02/02/99 | -- | 3.16 | 3.57 |
| | | 03/08/99 | -- | 3.85 | 2.88 |
| | | 04/07/99 | -- | 4.08 | 2.65 |
| | | 05/10/99 | -- | 4.05 | 2.68 |
| | | 06/03/99 | -- | 4.40 | 2.33 |
| | | 07/08/99 | -- | 3.98 | 2.75 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 08/04/99 | -- | 3.76 | 2.97 |
| | | 09/01/99 | -- | 3.98 | 2.75 |
| | | 11/16/99 | -- | 3.36 | 3.37 |
| | | 12/08/99 | -- | 3.76 | 2.97 |
| | | 04/27/00 | -- | 4.62 | 2.11 |
| | | 05/31/00 | -- | 4.82 | 1.91 |
| | | 08/22/00 | -- | 4.13 | 2.60 |
| | | 09/19/00 | -- | 2.43 | 4.30 |
| | | 10/31/00 | -- | 3.63 | 3.10 |
| | | 11/28/00 | -- | 3.45 | 3.28 |
| | | 12/12/00 | -- | 3.81 | 2.92 |
| | | 01/17/01 | -- | 4.17 | 2.56 |
| | | 02/20/01 | -- | 4.35 | 2.38 |
| | | 03/14/01 | -- | 4.13 | 2.60 |
| | | 04/24/01 | -- | 4.38 | 2.35 |
| | | 05/22/01 | -- | 4.40 | 2.33 |
| | | 06/26/01 | -- | 3.71 | 3.02 |
| | | 07/30/01 | -- | 3.91 | 2.82 |
| | | 08/27/01 | -- | 3.85 | 2.88 |
| | | 09/24/01 | -- | 2.55 | 4.18 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.64 | 3.09 |
| MAY-25-6 | 7.08 | 12/19/96 | -- | 3.70 | 3.38 |
| | | 01/21/97 | -- | 2.70 | 4.38 |
| | | 02/14/97 | -- | 3.95 | 3.13 |
| | | 02/24/97 | -- | 4.10 | 2.98 |
| | | 03/12/97 | -- | 3.70 | 3.38 |
| | | 04/10/97 | -- | 4.30 | 2.78 |
| | | 05/22/97 | -- | 3.10 | 3.98 |
| | | 07/30/97 | -- | 3.86 | 3.22 |
| | | 08/20/97 | -- | 3.13 | 3.95 |
| | | 09/29/97 | -- | 3.40 | 3.68 |
| | | 03/12/98 | -- | 2.43 | 4.65 |
| | | 05/26/98 | -- | 4.17 | 2.91 |
| | | 06/10/98 | -- | 4.25 | 2.83 |
| | | 07/06/98 | -- | 4.67 | 2.41 |
| | | 08/12/98 | -- | 3.85 | 3.23 |
| | | 09/15/98 | -- | 3.52 | 3.56 |
| | | 10/07/98 | -- | 3.28 | 3.80 |
| | | 11/04/98 | -- | 3.80 | 3.28 |
| | | 12/07/98 | -- | 4.24 | 2.84 |
| | | 01/04/99 | -- | 4.29 | 2.79 |
| | | 02/02/99 | -- | 3.40 | 3.68 |
| | | 03/08/99 | -- | 4.20 | 2.88 |
| | | 04/07/99 | -- | 4.40 | 2.68 |
| | | 05/10/99 | -- | 4.38 | 2.70 |
| | | 06/03/99 | -- | 4.71 | 2.37 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 07/08/99 | -- | 4.30 | 2.78 |
| | | 08/04/99 | -- | 4.14 | 2.94 |
| | | 09/01/99 | -- | 4.24 | 2.84 |
| | | 11/16/99 | -- | 3.66 | 3.42 |
| | | 12/08/99 | -- | 4.12 | 2.96 |
| | | 04/27/00 | -- | 4.88 | 2.20 |
| | | 05/31/00 | -- | 5.12 | 1.96 |
| | | 08/22/00 | -- | 4.21 | 2.87 |
| | | 09/19/00 | -- | 2.45 | 4.63 |
| | | 10/31/00 | -- | 3.65 | 3.43 |
| | | 11/28/00 | -- | 3.58 | 3.50 |
| | | 12/12/00 | -- | 3.90 | 3.18 |
| | | 01/17/01 | -- | 4.30 | 2.78 |
| | | 02/20/01 | -- | 4.54 | 2.54 |
| | | 03/14/01 | -- | 4.50 | 2.58 |
| | | 04/24/01 | -- | 4.71 | 2.37 |
| | | 05/22/01 | -- | 4.40 | 2.68 |
| | | 06/26/01 | -- | 3.97 | 3.11 |
| | | 07/30/01 | -- | 4.24 | 2.84 |
| | | 08/27/01 | -- | 4.21 | 2.87 |
| | | 09/24/01 | -- | 2.88 | 4.20 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.97 | 3.11 |
| MAY-25-8 | 6.67 | 12/19/96 | -- | 3.20 | 3.47 |
| | | 01/21/97 | -- | 3.40 | 3.27 |
| | | 02/14/97 | -- | 3.65 | 3.02 |
| | | 02/24/97 | -- | 3.57 | 3.10 |
| | | 03/12/97 | -- | 3.82 | 2.85 |
| | | 04/10/97 | -- | 3.88 | 2.79 |
| | | 05/22/97 | -- | 2.80 | 3.87 |
| | | 07/30/97 | -- | 3.60 | 3.07 |
| | | 08/20/97 | -- | 2.88 | 3.79 |
| | | 09/29/97 | -- | 3.01 | 3.66 |
| | | 03/12/98 | -- | 2.71 | 3.96 |
| | | 05/26/98 | -- | 3.68 | 2.99 |
| | | 06/10/98 | -- | 3.92 | 2.75 |
| | | 07/06/98 | -- | 4.34 | 2.33 |
| | | 08/12/98 | -- | 2.48 | 4.19 |
| | | 09/15/98 | -- | 3.30 | 3.37 |
| | | 10/07/98 | -- | 2.88 | 3.79 |
| | | 11/04/98 | -- | 3.44 | 3.23 |
| | | 12/07/98 | -- | 3.71 | 2.96 |
| | | 01/04/99 | -- | 4.05 | 2.62 |
| | | 02/02/99 | -- | 3.01 | 3.66 |
| | | 03/08/99 | -- | 3.73 | 2.94 |
| | | 04/07/99 | -- | 4.03 | 2.64 |
| | | 05/10/99 | -- | 4.05 | 2.62 |
| | | 06/03/99 | -- | 4.39 | 2.28 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 07/08/99 | -- | 4.09 | 2.58 |
| | | 08/04/99 | -- | 3.79 | 2.88 |
| | | 09/01/99 | -- | 3.85 | 2.82 |
| | | 11/16/99 | -- | 3.24 | 3.43 |
| | | 12/08/99 | -- | 3.75 | 2.92 |
| | | 04/27/00 | -- | 4.49 | 2.18 |
| | | 05/31/00 | -- | 4.73 | 1.94 |
| | | 08/22/00 | -- | 4.02 | 2.65 |
| | | 09/19/00 | -- | 2.46 | 4.21 |
| | | 10/31/00 | -- | 3.45 | 3.22 |
| | | 11/28/00 | -- | 3.40 | 3.27 |
| | | 12/12/00 | -- | 3.68 | 2.99 |
| | | 01/17/01 | -- | 4.12 | 2.55 |
| | | 02/20/01 | -- | 4.25 | 2.42 |
| | | 03/14/01 | -- | 4.16 | 2.51 |
| | | 04/24/01 | -- | 4.33 | 2.34 |
| | | 05/22/01 | -- | 4.73 | 1.94 |
| | | 06/26/01 | -- | 3.73 | 2.94 |
| | | 07/30/01 | -- | 3.91 | 2.76 |
| | | 08/27/01 | -- | 3.85 | 2.82 |
| | | 09/24/01 | -- | 2.55 | 4.12 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.65 | 3.02 |
| MAY-25-9 | 6.89 | 05/31/00 | -- | 4.76 | 2.13 |
| | | 06/15/00 | -- | 4.75 | 2.14 |
| | | 08/22/00 | -- | 3.95 | 2.94 |
| | | 09/19/00 | -- | 2.31 | 4.58 |
| | | 10/19/00 | -- | 3.45 | 3.44 |
| | | 10/31/00 | -- | 3.51 | 3.38 |
| | | 11/28/00 | -- | 3.40 | 3.49 |
| | | 12/12/00 | -- | 3.80 | 3.09 |
| | | 01/17/01 | -- | 4.08 | 2.81 |
| | | 02/20/01 | -- | 4.25 | 2.64 |
| | | 03/14/01 | -- | 4.12 | 2.77 |
| | | 04/24/01 | -- | 4.32 | 2.57 |
| | | 05/22/01 | -- | 4.35 | 2.54 |
| | | 06/26/01 | -- | 3.65 | 3.24 |
| | | 07/30/01 | -- | 3.85 | 3.04 |
| | | 08/27/01 | -- | 3.78 | 3.11 |
| | | 09/24/01 | -- | 2.48 | 4.41 |
| | | 12/06/01 | -- | 3.18 | 3.71 |
| | | 12/06/01 | -- | 3.18 | 3.71 |
| | | 03/25/02 | -- | 3.57 | 3.32 |
| MAY-25-11 | 6.89 | 12/19/96 | -- | 3.50 | 3.39 |
| | | 01/21/97 | -- | 3.48 | 3.41 |
| | | 02/14/97 | -- | 3.75 | 3.14 |
| | | 02/24/97 | -- | 3.80 | 3.09 |
| | | 04/10/97 | -- | 3.97 | 2.92 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 05/22/97 | -- | 2.85 | 4.04 |
| | | 07/30/97 | -- | 3.73 | 3.16 |
| | | 08/20/97 | -- | 2.92 | 3.97 |
| | | 09/29/97 | -- | 3.15 | 3.74 |
| | | 03/12/98 | -- | 2.50 | 4.39 |
| | | 05/26/98 | -- | 4.02 | 2.87 |
| | | 06/10/98 | -- | 4.08 | 2.81 |
| | | 07/06/98 | -- | 4.48 | 2.41 |
| | | 08/12/98 | -- | 2.67 | 4.22 |
| | | 09/15/98 | -- | 3.10 | 3.79 |
| | | 10/07/98 | -- | 3.10 | 3.79 |
| | | 11/04/98 | -- | 3.70 | 3.19 |
| | | 12/07/98 | -- | 4.14 | 2.75 |
| | | 01/04/99 | -- | 4.10 | 2.79 |
| | | 02/02/99 | -- | 3.25 | 3.64 |
| | | 03/08/99 | -- | 3.98 | 2.91 |
| | | 04/07/99 | -- | 4.22 | 2.67 |
| | | 05/10/99 | -- | 4.17 | 2.72 |
| | | 06/03/99 | -- | 4.53 | 2.36 |
| | | 07/08/99 | -- | 4.13 | 2.76 |
| | | 08/04/99 | -- | 3.92 | 2.97 |
| | | 09/01/99 | -- | 4.08 | 2.81 |
| | | 11/16/99 | -- | 3.46 | 3.43 |
| | | 12/08/99 | -- | 3.58 | 3.31 |
| | | 04/27/00 | -- | 4.79 | 2.10 |
| | | 05/31/00 | -- | 4.95 | 1.94 |
| | | 08/22/00 | -- | 4.07 | 2.82 |
| | | 09/19/00 | -- | 2.53 | 4.36 |
| | | 10/31/00 | -- | 3.73 | 3.16 |
| | | 11/28/00 | -- | 3.58 | 3.31 |
| | | 12/12/00 | -- | 3.96 | 2.93 |
| | | 01/17/01 | -- | 4.30 | 2.59 |
| | | 02/20/01 | -- | 4.45 | 2.44 |
| | | 03/14/01 | -- | 4.31 | 2.58 |
| | | 04/24/01 | -- | 4.51 | 2.38 |
| | | 05/22/01 | -- | 4.54 | 2.35 |
| | | 06/26/01 | -- | 3.81 | 3.08 |
| | | 07/30/01 | -- | 4.04 | 2.85 |
| | | 08/27/01 | -- | 3.97 | 2.92 |
| | | 09/24/01 | -- | 2.65 | 4.24 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.77 | 3.12 |
| MAY-25-12 | 6.88 | 12/19/96 | -- | 3.50 | 3.38 |
| | | 01/21/97 | -- | 3.51 | 3.37 |
| | | 02/14/97 | -- | 3.80 | 3.08 |
| | | 02/24/97 | -- | 3.90 | 2.98 |
| | | 03/12/97 | -- | 3.90 | 2.98 |
| | | 04/10/97 | -- | 4.25 | 2.63 |
| | | 05/22/97 | -- | 2.83 | 4.05 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 06/12/97 | -- | 3.15 | 3.73 |
| | | 07/30/97 | -- | 3.70 | 3.18 |
| | | 08/20/97 | -- | 2.97 | 3.91 |
| | | 09/29/97 | -- | 3.23 | 3.65 |
| | | 10/28/97 | -- | 2.61 | 4.27 |
| | | 03/12/98 | -- | 2.47 | 4.41 |
| | | 05/26/98 | -- | 4.00 | 2.88 |
| | | 06/10/98 | -- | 4.10 | 2.78 |
| | | 07/06/98 | -- | 4.52 | 2.36 |
| | | 08/12/98 | -- | 4.52 | 2.36 |
| | | 09/15/98 | -- | 3.56 | 3.32 |
| | | 10/07/98 | -- | 3.15 | 3.73 |
| | | 11/04/98 | -- | 3.63 | 3.25 |
| | | 12/07/98 | -- | 3.92 | 2.96 |
| | | 01/04/99 | -- | 4.11 | 2.77 |
| | | 02/02/99 | -- | NR | NR |
| | | 03/08/99 | -- | 4.03 | 2.85 |
| | | 04/07/99 | -- | NR | NR |
| | | 05/10/99 | -- | NR | NR |
| | | 06/03/99 | -- | 4.50 | 2.38 |
| | | 07/08/99 | -- | 4.20 | 2.68 |
| | | 08/04/99 | -- | 4.18 | 2.70 |
| | | 09/01/99 | -- | 4.13 | 2.75 |
| | | 11/16/99 | -- | 3.49 | 3.39 |
| | | 12/08/99 | -- | 3.76 | 3.12 |
| | | 04/27/00 | -- | 4.81 | 2.07 |
| | | 05/31/00 | -- | NR | NR |
| | | 08/22/00 | -- | 4.05 | 2.83 |
| | | 09/19/00 | -- | NR | NR |
| | | 10/31/00 | -- | 3.67 | 3.21 |
| | | 11/28/00 | -- | 3.60 | 3.28 |
| | | 12/12/00 | -- | 3.95 | 2.93 |
| | | 01/17/01 | -- | 4.20 | 2.68 |
| | | 02/20/01 | -- | 4.41 | 2.47 |
| | | 03/14/01 | -- | 4.32 | 2.56 |
| | | 04/24/01 | -- | 4.55 | 2.33 |
| | | 05/22/01 | -- | 4.53 | 2.35 |
| | | 06/26/01 | -- | 3.92 | 2.96 |
| | | 07/30/01 | -- | 4.05 | 2.83 |
| | | 08/27/01 | -- | 3.99 | 2.89 |
| | | 09/24/01 | -- | 2.72 | 4.16 |
| | | 12/06/01 | -- | NR | NR |
| | | 03/25/02 | -- | 3.80 | 3.08 |
| MAY-25-13 | 6.93 | 12/19/96 | -- | 3.50 | 3.43 |
| | | 01/21/97 | -- | 3.70 | 3.23 |
| | | 02/14/97 | -- | 3.95 | 2.98 |
| | | 02/24/97 | -- | 3.95 | 2.98 |
| | | 03/12/97 | -- | 3.90 | 3.03 |
| | | 04/10/97 | -- | 4.00 | 2.93 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 05/22/97 | -- | 3.20 | 3.73 |
| | | 06/12/97 | -- | 3.22 | 3.71 |
| | | 07/30/97 | -- | 3.81 | 3.12 |
| | | 08/20/97 | -- | 3.03 | 3.90 |
| | | 09/29/97 | -- | 3.30 | 3.63 |
| | | 10/28/97 | -- | 2.66 | 4.27 |
| | | 03/12/98 | -- | 3.66 | 3.27 |
| | | 05/26/98 | -- | 4.07 | 2.86 |
| | | 06/10/98 | -- | 4.17 | 2.76 |
| | | 07/06/98 | -- | 4.60 | 2.33 |
| | | 08/12/98 | -- | 4.58 | 2.35 |
| | | 09/15/98 | -- | 3.60 | 3.33 |
| | | 10/07/98 | -- | 3.22 | 3.71 |
| | | 11/04/98 | -- | 3.78 | 3.15 |
| | | 12/07/98 | -- | 4.22 | 2.71 |
| | | 01/04/99 | -- | 4.10 | 2.83 |
| | | 02/02/99 | -- | 3.49 | 3.44 |
| | | 03/08/99 | -- | 4.10 | 2.83 |
| | | 04/07/99 | -- | 4.30 | 2.63 |
| | | 05/10/99 | -- | 4.30 | 2.63 |
| | | 06/03/99 | -- | 4.63 | 2.30 |
| | | 07/08/99 | -- | 4.25 | 2.68 |
| | | 08/04/99 | -- | 4.23 | 2.70 |
| | | 09/01/99 | -- | 4.15 | 2.78 |
| | | 11/16/99 | -- | 3.58 | 3.35 |
| | | 12/08/99 | -- | 3.83 | 3.10 |
| | | 04/27/00 | -- | 4.95 | 1.98 |
| | | 05/31/00 | -- | 5.00 | 1.93 |
| | | 06/15/00 | -- | 5.20 | 1.73 |
| | | 08/22/00 | -- | 4.00 | 2.93 |
| | | 09/19/00 | -- | 2.58 | 4.35 |
| | | 10/19/00 | -- | 3.71 | 3.22 |
| | | 10/31/00 | -- | 3.76 | 3.17 |
| | | 11/28/00 | -- | 3.70 | 3.23 |
| | | 12/12/00 | -- | 4.05 | 2.88 |
| | | 01/17/01 | -- | 4.35 | 2.58 |
| | | 02/20/01 | 4.40 | 5.45 | 1.48 |
| | | 02/26/01 | 4.57 | 4.80 | 2.13 |
| | | 03/05/01 | 4.38 | 4.44 | 2.49 |
| | | 03/12/01 | 4.41 | 4.52 | 2.41 |
| | | 03/14/01 | 4.37 | 4.38 | 2.55 |
| | | 03/28/01 | -- | 4.14 | 2.79 |
| | | 04/24/01 | 4.48 | 4.58 | 2.35 |
| | | 05/22/01 | -- | 4.60 | 2.33 |
| | | 06/26/01 | -- | 3.84 | 3.09 |
| | | 07/30/01 | -- | 4.13 | 2.80 |
| | | 08/27/01 | -- | 4.07 | 2.86 |
| | | 09/24/01 | -- | 2.75 | 4.18 |
| | | 12/06/01 | -- | 3.45 | 3.48 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 12/06/01 | -- | 3.45 | 3.48 |
| | | 03/25/02 | -- | 3.87 | 3.06 |
| MAY-25-15 | 6.82 | 12/19/96 | -- | 0.00 | 6.82 |
| | | 01/21/97 | -- | 0.00 | 6.82 |
| | | 02/14/97 | -- | 3.80 | 3.02 |
| | | 02/24/97 | -- | 3.40 | 3.42 |
| | | 03/12/97 | -- | 3.75 | 3.07 |
| | | 04/10/97 | -- | 3.85 | 2.97 |
| | | 05/22/97 | -- | 3.10 | 3.72 |
| | | 06/12/97 | -- | 3.07 | 3.75 |
| | | 07/30/97 | -- | 3.67 | 3.15 |
| | | 08/20/97 | -- | 2.90 | 3.92 |
| | | 09/29/97 | -- | 3.15 | 3.67 |
| | | 10/28/97 | -- | 3.65 | 3.17 |
| | | 03/12/98 | -- | 3.60 | 3.22 |
| | | 05/26/98 | -- | 3.93 | 2.89 |
| | | 06/10/98 | -- | 4.02 | 2.80 |
| | | 07/06/98 | -- | 4.46 | 2.36 |
| | | 08/12/98 | -- | 4.49 | 2.33 |
| | | 09/15/98 | -- | 3.54 | 3.28 |
| | | 10/07/98 | -- | 3.00 | 3.82 |
| | | 11/04/98 | -- | 3.63 | 3.19 |
| | | 12/07/98 | -- | 4.14 | 2.68 |
| | | 01/04/99 | -- | 4.10 | 2.72 |
| | | 02/02/99 | -- | 3.30 | 3.52 |
| | | 03/08/99 | -- | 3.98 | 2.84 |
| | | 04/07/99 | -- | 4.17 | 2.65 |
| | | 05/10/99 | -- | 4.13 | 2.69 |
| | | 06/03/99 | -- | 4.49 | 2.33 |
| | | 07/08/99 | -- | 4.10 | 2.72 |
| | | 08/04/99 | -- | 4.10 | 2.72 |
| | | 09/01/99 | -- | 4.04 | 2.78 |
| | | 11/16/99 | -- | 3.45 | 3.37 |
| | | 12/08/99 | -- | 0.00 | NR[1] |
| | | 04/27/00 | -- | 4.89 | 1.93 |
| | | 05/31/00 | -- | 4.84 | 1.98 |
| | | 06/15/00 | -- | 5.00 | 1.82 |
| | | 08/22/00 | -- | 4.02 | 2.80 |
| | | 09/19/00 | -- | 2.28 | 4.54 |
| | | 10/19/00 | -- | 3.38 | 3.44 |
| | | 10/31/00 | -- | 3.44 | 3.38 |
| | | 11/28/00 | -- | 3.30 | 3.52 |
| | | 12/12/00 | -- | 3.66 | 3.16 |
| | | 01/17/01 | -- | 3.89 | 2.93 |
| | | 02/20/01 | -- | 4.30 | 2.52 |
| | | 03/14/01 | -- | 4.25 | 2.57 |
| | | 04/24/01 | -- | 4.45 | 2.37 |
| | | 05/22/01 | -- | 4.42 | 2.40 |
| | | 06/26/01 | -- | 3.76 | 3.06 |
| | | 07/30/01 | -- | 3.96 | 2.86 |

**TABLE 3**
Groundwater Monitoring Well - Water Level and LNAPL Data

| Monitoring Well | Top of Casing Elevation (feet) | Date | Depth to LNAPL (feet) | Depth to Water (feet) | Water Level Elevation (feet) |
|---|---|---|---|---|---|
| | | 08/27/01 | -- | 3.90 | 2.92 |
| | | 09/24/01 | -- | 2.61 | 4.21 |
| | | 12/06/01 | -- | 3.29 | 3.53 |
| | | 03/25/02 | -- | 3.71 | 3.11 |

Top of Casing Elevations and data prior to 04/27/00 obtained from BEI.
NR = Not Recorded
Elevation is referenced to National Geodetic Vertical Datum 1929 (NGVD 1929)
Depth to LNAPL measured from top of casing
Depth to water measured from top of casing
[1] Well under pressure

**TABLE 4**
OVA Soil Screening

| Soil Boring Number | Date | Depth (feet bgs) | Unfiltered OVA (ppm) | Filtered OVA (ppm) | Net OVA (ppm) |
|---|---|---|---|---|---|
| SB-1 | 01/09/2002 | 1 | 1 | NM | 1 |
| | | 3 | 4 | NM | 4 |
| SB-2 | 01/09/2002 | 1 | 1 | NM | 1 |
| | | 3 | 28 | 28 | 0 |
| SB-3 | 01/09/2002 | 1 | 3 | NM | 3 |
| | | 3 | 2 | NM | 2 |
| SB-4 | 01/09/2002 | 1 | 3 | NM | 3 |
| | | 3 | 3 | NM | 3 |
| SB-5 | 01/09/2002 | 1 | 2 | NM | 2 |
| | | 3 | 4 | NM | 4 |
| SB-6 | 01/09/2002 | 1 | 1 | NM | 1 |
| | | 3 | 1 | NM | 1 |
| SB-7 | 01/09/2002 | 1 | 2 | NM | 2 |
| | | 3 | 175 | 95 | 80 |
| SB-8 | 01/09/2002 | 1 | 3 | NM | 3 |
| | | 3 | 390 | 160 | 230 |
| SB-9 | 01/09/2002 | 1 | 0.1 | NM | 0.1 |
| | | 3 | 300 | 97 | 203 |
| SB-10 | 01/09/2002 | 1 | 6 | NM | 6 |
| | | 3 | 630 | 200 | 430 |
| SB-11 | 01/09/2002 | 1 | 4 | NM | 4 |
| | | 3 | 3 | NM | 3 |
| SB-12 | 01/09/2002 | 1 | 8 | NM | 8 |
| | | 3 | 1640 | 1100 | 540 |
| SB-13 | 01/09/2002 | 1.5 | 0.1 | NM | 0.1 |
| | | 3.5 | 15000 | 450 | 14550 |
| SB-14 | 01/09/2002 | 1.5 | 1 | NM | 1 |
| | | 3.5 | 4260 | 3200 | 1060 |
| SB-15 | 01/09/2002 | 1 | 2 | NM | 2 |
| | | 3 | 2 | NM | 2 |
| SB-16 | 01/09/2002 | 1 | 0.5 | NM | 0.5 |
| | | 3 | 340 | 150 | 190 |
| SB-17 | 01/09/2002 | 1 | 8 | NM | 8 |
| | | 3 | 54 | 70 | -16 |
| SB-18 | 01/09/2002 | 1.5 | 13 | 3 | 10 |
| | | 3.5 | 2450 | 2160 | 290 |
| SB-19 | 01/09/2002 | 1.5 | 0.1 | NM | 0.1 |
| | | 3.5 | 2700 | 1150 | 1550 |
| SB-20 | 01/09/2002 | 1 | 43 | 0.1 | 42.9 |
| | | 3 | 0.2 | NM | 0.2 |
| SB-21 | 01/08/2002 | 1 | 0.1 | NM | 0.1 |
| | | 3 | 0.1 | NM | 0.1 |
| SB-22 | 01/08/2002 | 1 | 6.2 | NM | 6.2 |
| | | 3 | 780 | 670 | 110 |

**TABLE 4**
OVA Soil Screening

| Soil Boring Number | Date | Depth (feet bgs) | Unfiltered OVA (ppm) | Filtered OVA (ppm) | Net OVA (ppm) |
|---|---|---|---|---|---|
| SB-23 | 01/08/2002 | 1 | 43 | 4 | 39 |
| | | 3 | 83 | 64 | 19 |
| SB-24 | 01/08/2002 | 1 | 3.8 | NM | 3.8 |
| | | 3 | 3.15 | NM | 3.15 |
| SB-25 | 01/08/2002 | 1 | 0.1 | NM | 0.1 |
| | | 3 | 0.05 | NM | 0.05 |
| SB-26 | 01/08/2002 | 1 | 0.1 | NM | 0.1 |
| | | 3 | 118 | 62 | y |
| SB-27 | 01/08/2002 | 1 | 0.2 | NM | 0.2 |
| | | 3 | 83 | 31 | 52 |
| SB-28 | 01/08/2002 | 1 | 7 | NM | 7 |
| | | 3 | 0.25 | NM | 0.25 |
| SB-29 | 01/08/2002 | 1 | 0.5 | NM | 0.5 |
| | | 3 | 0.2 | NM | 0.2 |
| SB-30 | 01/08/2002 | 1 | 0.1 | NM | 0.1 |
| | | 3 | 1.05 | NM | 1.05 |
| | | 3 | 1.05 | NM | 1.05 |

bgs = below ground surface
ppm = parts per million
samples filtered using activated charcoal filter
shaded values indicate net readings that exceed 50 ppm
NM = not measured

**TABLE 5**
Soil Analytical Results

| Soil Boring Number | Sample Date | Sample Depth (ft bls) | Benzene | Ethylbenzene | Toluene | Xylene | BTEX | Methyl tert-butyl ether | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthylene | Acenaphthene | Fluorene | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benzo (a) anthracene | Chrysene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Benzo (a) pyrene | Indeno (1, 2, 3-cd) pyrene | Dibenzo (a,h) anthracene | Benzo (g,h,i) perylene | TRPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-7 | 01/10/2002 | 3 | <0.0012 | <0.0012 | <0.0012 | <0.0036 | <0.0072 | <0.0012 | <0.0062 | <0.00622 | <0.00622 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | 8.8 |
| SB-10 | 01/10/2002 | 3 | <0.0014 | <0.0014 | <0.0014 | <0.0041 | <0.0083 | <0.0014 | 0.015 | 0.00771 | 0.013 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | <0.0071 | 29 |
| SB-12 | 01/10/2002 | 3 | <0.0012 | <0.0012 | <0.0012 | <0.0035 | <0.0071 | <0.0012 | 0.01 | 0.00815 | 0.0156 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | 0.011 | <0.0062 | <0.0062 | <0.0062 | <0.0062 | 0.0066 | <0.0062 | <0.0062 | <0.0062 | 13 |
| SB-13 | 01/10/2002 | 3.5 | 0.25 | 0.68 | <0.0011 | 1.8 | 2.73 | <0.0011 | 0.34 | 0.333 | 0.487 | <0.0057 | <0.0057 | 0.021 | 0.063 | <0.0057 | 0.018 | 0.044 | 0.012 | 0.023 | 0.016 | <0.0057 | 0.018 | 0.1 | <0.0057 | 0.017 | 61 |
| SB-19 | 01/10/2002 | 3.5 | 0.058 | 0.0084 | <0.0011 | 0.0063 | 0.0727 | <0.0011 | 0.0061 | <0.00588 | <0.00588 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <12 |
| SB-26 | 01/10/2002 | 3 | <0.0011 | <0.0011 | <0.0011 | <0.0033 | <0.0066 | <0.0011 | <0.059 | <0.0588 | <0.0588 | <0.059 | <0.059 | <0.059 | 0.11 | <0.059 | 0.56 | 0.48 | 0.32 | 0.44 | 0.59 | 0.39 | 0.49 | 0.36 | <0.059 | 0.45 | 37 |
| SB-31 | 03/25/2002 | 3 | N/A | N/A | N/A | N/A | N/A | N/A | <0.059 | <0.0586 | <0.0586 | <0.059 | <0.059 | <0.059 | <0.059 | <0.059 | 0.18 | 0.16 | 0.13 | 0.2 | 0.3 | 0.2 | 0.24 | 0.2 | <0.059 | 0.24 | N/A |
| SB-32 | 03/25/2002 | 3 | N/A | N/A | N/A | N/A | N/A | N/A | <0.0064 | <0.00636 | <0.00636 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | <0.0064 | N/A |
| SB-33 | 03/25/2002 | 3 | N/A | N/A | N/A | N/A | N/A | N/A | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | N/A |
| SB-34 | 03/25/2002 | 3 | N/A | N/A | N/A | N/A | N/A | N/A | 0.016 | 0.00817 | 0.015 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | <0.0065 | N/A |
| Direct Exposure Residential [1] | | | 1.1 | 1100 | 380 | 5900 | n/a | 3200 | 40 | 68 | 80 | 1100 | 1900 | 2200 | 2000 | 18000 | 2900 | 2200 | 1.4 | 140 | 1.4 | 15 | 0.1 | 1.5 | 0.1 | 2300 | 340 |
| Direct Exposure Industrial [1] | | | 1.6 | 8400 | 2600 | 40000 | n/a | 22000 | 270 | 470 | 560 | 11000 | 18000 | 28000 | 30000 | 260000 | 48000 | 37000 | 5 | 450 | 4.8 | 52 | 0.5 | 5.3 | 0.5 | 41000 | 2500 |
| Leachability [1] | | | 0.007 | 0.6 | 0.5 | 0.2 | n/a | 0.2 | 1.7 | 2.2 | 6.1 | 27 | 2.1 | 160 | 250 | 2500 | 1200 | 880 | 3.2 | 77 | 10 | 25 | 8 | 28 | 30 | 32000 | 340 |
| Leachability [1] | | | 0.007 | 0.6 | 0.5 | 0.2 | n/a | 0.2 | 1.7 | 2.2 | 6.1 | 27 | 2.1 | 160 | 250 | 2500 | 1200 | 880 | 3.2 | 77 | 10 | 25 | 8 | 28 | 30 | 32000 | 340 |

All values reported in mg/kg

1 = Ch 62-777 F.A.C Soil cleanup Target Level (SCTLs) reported in mg/kg

Shaded values indicate the compounds that exceed the SCTLs

NS = Not Sampled

bls = below land surface

**TABLE 6**
Groundwater Analytical Results

| Monitoring Well Number | Date | Sample ID | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | EDB | Naphthalene | Benzo (a) anthracene | Benzo (a) pyrene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Chrysene | Indeno (1,2,3-cd) pyrene | Total Lead | TRPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Natural Attenuation Default Source Concentration | | | 100 | 300 | 400 | 200 | --- | 850 | 2 | 200 | 20 | 20 | 20 | 50 | 480 | 20 | 150 | 50,000 |
| Groundwater Cleanup Target Level | | | 1 | 30 | 40 | 20 | --- | 35 | 0.02 | 20 | 0.2 | 0.2 | 0.2 | 0.5 | 4.8 | 0.2 | 15 | 5,000 |
| MAY-25-1 | 06/18/91 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <10 | <0.02 | <30 | NR | NR | NR | NR | NR | NR | 7.2 | N/A |
| | 12/18/92 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <10 | N/A | N/A | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/06/93 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <10 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 11/04/96 | MP6091 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 11/25/96 | MP6114 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 02/24/97 | MP6146 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | **26** | <1,000 |
| | 05/22/97 | MP6245 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 8 | <1,000 |
| | 08/20/97 | MP62301 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| MAY-25-4 | 06/18/91 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | 22 | <0.02 | <30 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 12/18/92 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <10 | N/A | N/A | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/06/93 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <10 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 11/04/96 | MP6092 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 11/25/96 | MP6113 | <1 | <1 | <1 | <2 | <5 | 5 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 02/24/97 | MP6147 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | **50** | <1,000 |
| | 05/22/97 | MP6246 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 08/20/97 | MP62302 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 03/12/98 | MP6444 | <1 | <1 | <1 | <3 | <6 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 06/04/98 | MP6531 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | **80** | N/A |
| | 09/29/98 | MP06627 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 12 | N/A |
| | 12/15/98 | MP06761 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 5 | N/A |
| | 03/19/99 | MP06841 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | <200 |
| | 06/16/99 | MP6911 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | <200 |
| | 09/30/99 | MP06978 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | <200 |
| | 12/07/99 | MP07015 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 12 | <200 |
| | 06/15/00 | 031-MAY25-4-Q2-00-42 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <6 | NR | NR | NR | NR | NR | NR | 8 | 455 |
| | 09/19/00 | 031-MAY25-4-Q3-00-45 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 1.2 U | <250 |
| | 12/12/00 | 031-MAY25-4-Q4-00-48 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 3.7 B | 211 J |
| | 03/14/01 | 031-MAY25-4-Q1-01-51 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 7.8 | 200 J |
| | 06/26/01 | 031-MAY25-4-Q2-01-54 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.6 B | 208 J |
| | 09/24/01 | 067-MAY25-4-Q3-01-57 | <1 | 0.41 JB | <1 | 1.2 JB | 1.61 JB | <1 | N/A | <1.8 | <0.2 | <0.2 | <0.2 | <0.2 | <0.15 | <0.2 | <3 | <520 |
| | 12/06/01 | 067-MAY25-4-Q4-01-60 | <0.5 | <0.5 | <0.5 | <1.5 | <3 | <0.76 | N/A | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <30 | <540 |
| | 03/25/02 | 067-MAY25-4-Q1-02-63 | <0.5 | <0.5 | <0.5 | <1.5 | <3 | <0.76 | N/A | <0.21 | <0.21 | <0.21 | <0.21 | <0.21 | <0.15 | <0.21 | <3 | 220 |
| MAY-25-9 | 07/06/93 | --- | **620** | **230** | <50 | **280** | 1,130 | **27,000** | N/A | **58** | **NR** | **NR** | **NR** | **NR** | **NR** | **NR** | N/A | N/A |
| | 12/19/96 | MP6127 | **36** | 26 | 3 | **25** | 90 | **1,600** | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 01/21/97 | MP6135 | **26** | 8 | <1 | 5 | 39 | **190** | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 02/14/97 | MP6151 | **60** | **45** | 10 | **55** | 170 | **420** | N/A | **41** | **NR** | **NR** | **NR** | **NR** | **NR** | **NR** | N/A | N/A |
| | 02/24/97 | MP6157 | **34** | 29 | 6 | **24** | 93 | **570** | <0.02 | <10 | NR | NR | NR | NR | NR | NR | **28** | 1,000 |
| | 03/12/97 | MP6172 | **21** | 12 | 3 | 12 | 48 | **120** | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 04/10/97 | MP6176 | **9** | **38** | <1 | **23** | 70 | **46** | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |

**TABLE 6**
Groundwater Analytical Results

| Monitoring Well Number | Date | Sample ID | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | EDB | Naphthalene | Benzo (a) anthracene | Benzo (a) pyrene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Chrysene | Indeno (1,2,3-cd) pyrene | Total Lead | TRPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Natural Attenuation Default Source Concentration | | | 100 | 300 | 400 | 200 | --- | 350 | 2 | 200 | 20 | 20 | 20 | 50 | 480 | 20 | 150 | 50,000 |
| Groundwater Cleanup Target Level | | | 1 | 30 | 40 | 20 | --- | 35 | 0.02 | 20 | 0.2 | 0.2* | 0.2 | 0.5 | 4.8 | 0.2 | 15 | 5,000 |
| | 05/22/97 | MP6250 | 38 | 39 | 3 | 14 | 94 | 250 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 13 | <1,000 |
| | 06/12/97 | MP6282 | 95 | 115 | <20 | 47 | 257 | 380 | N/A | 20 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/30/97 | MP6296 | 280 | 150 | <20 | 180 | 560 | 120 | N/A | 130 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 08/20/97 | MP62307 | 130 | 94 | 8 | 71 | 303 | 180 | <0.02 | 40 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 09/29/97 | MP6315 | 160 | 180 | 20 | 186 | 546 | 100 | N/A | 90 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 10/28/97 | MP6319 | 80 | 70 | <10 | 110 | 260 | 90 | N/A | 75 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 03/12/98 | MP6445 | 38 | 45 | 1.8 | 51 | 136 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 06/04/98 | MP6532 | <1 | <1 | <1 | <2 | <5 | 9.2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 10 | N/A |
| | 09/29/98 | MP06628 | 95 | 140 | 5.8 | 65 | 305 | 8.4 | N/A | <10 | NR | NR | NR | NR | NR | NR | 24 | N/A |
| | 12/15/98 | MP06762 | 69 | 110 | 4.0 | 33 | 216 | 15 | N/A | 82 | NR | NR | NR | NR | NR | NR | 8 | N/A |
| | 03/19/99 | MP06842 | 240 | 270 | 47 | 95 | 652 | 13 | N/A | 120 | NR | NR | NR | NR | NR | NR | <5 | 670 |
| | 06/16/99 | MP6913 | 120 | 190 | 11 | 55.0 | 376.0 | 26 | N/A | 160 | NR | NR | NR | NR | NR | NR | <5 | 1,700 |
| | 09/30/99 | MP06979 | 7 | 18 | 1 | 4.0 | 30.0 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 15 | <200 |
| | 12/07/99 | MP07016 | 7 | 17 | <1 | <2 | 24.1 | 4 | N/A | <10 | NR | NR | NR | NR | NR | NR | 17 | <200 |
| | 06/15/00 | 031-MAY25-9-Q2-00-42 | 3 | 25 | <1 | 5.9 | 34.2 | <1 | N/A | 19 | NR | NR | NR | NR | NR | NR | 21 | 2,360 |
| | 09/19/00 | 031-MAY25-9-Q3-00-45 | 0.73 | 24.6 | <1 | 4.4 | 29.7 | 2 | N/A | 4.5 J | NR | NR | NR | NR | NR | NR | 11 | 505 |
| | 12/12/00 | 031-MAY25-9-Q4-00-48 | <1 | 12.2 | <1 | <3 | 12.2 | <1 | N/A | 4.7 J | NR | NR | NR | NR | NR | NR | 23.5 | 604 |
| | 03/14/01 | 031-MAY25-9-Q1-01-51 | 2.6 | 52.4 | 1.3 | 18.7 | 75.0 | <1 | N/A | 10 | NR | NR | NR | NR | NR | NR | 24.3 | 1,930 |
| | 06/26/01 | 031-MAY25-9-Q2-01-54 | 4.5 | 131.0 | 2.3 | 49.1 | 186.9 | <2 | N/A | 5.4 | <5 | <5 | <5 | <5 | <5 | <5 | 9.8 | 1,850 |
| | 09/24/01 | 067-MAY25-9-Q3-01-57 | 0.58 J | 20 B | 0.53 J | 5.75 JB | 26.86 JB | <1 | N/A | 7.8 | <0.2 | <0.2 | <0.2 | <0.2 | <0.15 | <0.2 | <3 | <520 |
| | 12/06/01 | 067-MAY25-9-Q4-01-60 | 0.91 | 16 | 0.79 | 4.34 | 22.04 | 1.0 | N/A | 6 | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <3 | <540 |
| | 03/25/02 | 067-MAY25-9-Q1-02-63 | 0.72 | 20 | 0.86 | 8.03 | 29.61 | 1.5 | N/A | 21.6 | <0.23 | <0.23 | <0.23 | <0.23 | <0.17 | <0.23 | 27.2 | 980 |
| MAY-25-11 | 12/18/92 | --- | 24 | BDL | BDL | BDL | 24 | 1,200 | N/A | N/A | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/16/93 | --- | 28 | 5.5 | <1.0 | 1 | 34.6 | 170 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 11/04/96 | MP6093 | <1 | <1 | <1 | <2 | <5 | 2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 11/25/96 | MP6112 | 1 | 7 | 4 | 10 | 22 | 2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 02/24/97 | MP6153 | <1 | <1 | <1 | <2 | <5 | 3 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 12 | <1,000 |
| | 05/22/97 | MP6247 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 08/20/97 | MP62303 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| MAY-25-12 | 12/18/92 | --- | <1.0 | <1.0 | 4 | <1.0 | 4 | <1.0 | N/A | N/A | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/06/93 | --- | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <10 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 11/04/96 | MP6094 | <1 | <1 | <1 | <2 | <5 | 2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 11/25/96 | MP6111 | 1 | 2 | 9 | 13 | 25 | 3 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 12/19/96 | MP6128 | <1 | <1 | <1 | <2 | <5 | 5 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 01/21/97 | MP6132 | <1 | <1 | <1 | <2 | <5 | 8 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 02/14/97 | MP6150 | <1 | <1 | <1 | <2 | <5 | 2 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 02/24/97 | MP6155 | <1 | <1 | <1 | <2 | <5 | 3 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 10 | <1,000 |
| | 03/12/97 | MP6171 | <1 | <1 | <1 | <2 | <5 | 5 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 04/10/97 | MP6175 | <1 | <1 | <1 | <2 | <5 | 4 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |

**TABLE 6**
Groundwater Analytical Results

| Monitoring Well Number | Date | Sample ID | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | EDB | Naphthalene | Benzo (a) anthracene | Benzo (a) pyrene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Chrysene | Indeno (1,2,3-cd) pyrene | Total Lead | TRPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Natural Attenuation Default Source Concentration | | | 100 | 300 | 400 | 200 | --- | 350 | 2 | 200 | 20 | 20 | 20 | 50 | 480 | 20 | 150 | 50,000 |
| Groundwater Cleanup Target Level | | | 1 | 30 | 40 | 20 | — | 35 | 0.02 | 20 | 0.2 | 0.2 | 0.2 | 0.5 | 4.8 | 0.2 | 15 | 5,000 |
| | 05/22/97 | MP6251 | <1 | <1 | <1 | <2 | <5 | 7 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | **60** | <1,000 |
| | 06/12/97 | MP6283 | <1 | <1 | <1 | <2 | <5 | 5 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/30/97 | MP6297 | <1 | <1 | <1 | <2 | <5 | 4 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 08/20/97 | MP62306 | <1 | <1 | <1 | <2 | <5 | 3 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 09/29/97 | MP6314 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 10/28/97 | MP6318 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| MAY-25-13 | 05/14/93 | --- | **1.8** | <1 | <1 | <2 | 2 | **44** | N/A | N/A | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 12/19/96 | MP6129 | <1 | <1 | <1 | <2 | <5 | 26 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 01/23/97 | MP6133 | <1 | <1 | <1 | <2 | <5 | 20 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 02/14/97 | MP6149 | <1 | <1 | <1 | <2 | <5 | 27 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 03/12/97 | MP6170 | <1 | <1 | <1 | <2 | <5 | 10 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 04/10/97 | MP6174 | <1 | <1 | <1 | <2 | <5 | 6 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 05/22/97 | MP6249 | <1 | <1 | <1 | <2 | <5 | 7 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 14 | <1,000 |
| | 06/12/97 | MP6284 | <1 | <1 | <1 | <2 | <5 | 19 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/30/97 | MP6298 | <1 | <1 | <1 | <2 | <5 | 11 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 08/20/97 | MP62305 | <1 | <1 | <1 | <2 | <5 | 15 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 09/29/97 | MP6313 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 10/28/97 | MP6317 | <1 | <1 | <1 | <2 | <5 | 2 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 03/12/98 | MP6447 | <1 | <1 | <1 | <3 | <6 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 06/04/98 | MP6533 | <1 | <1 | <1 | 1 | 1 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 09/29/98 | MP06630 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | **22** | **NR** | **NR** | **NR** | **NR** | **NR** | **NR** | 14 | N/A |
| | 12/15/98 | MP06764 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 6 | N/A |
| | 03/19/99 | MP06844 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | 1,300 |
| | 06/16/99 | MP6914 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | <200 |
| | 09/30/99 | MP06981 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | <200 |
| | 12/07/99 | MP07018 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | 500 |
| | 06/15/00 | 031-MAY25-13-Q2-00-42 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | **20** | 785 |
| | 09/19/00 | 031-MAY25-13-Q3-00-45 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 1.7 B | 265 |
| | 12/12/00 | 031-MAY25-13-Q4-00-48 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 7.0 | 424 |
| | 03/14/01 | 031-MAY25-13-Q1-01-51 | <1 | 3.9 | 1.2 | **47.1** | 52.2 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 2.2 B | 1,850 |
| | 06/26/01 | 031-MAY25-13-Q2-01-54 | <1 | <1 | <1 | 3.1 | 3.1 | <1 | N/A | <1 | <200 | <200 | <200 | <200 | <200 | <200 | **107** | 421 |
| | 08/02/01 | 031-MAY25-13-Q3-01-55 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 840 |
| | 09/24/01 | 067-MAY25-13-Q3-01-57 | <1 | 0.55 JB | <1 | 1.2 JB | 1.75 JB | <1 | N/A | 0.25 J | <0.2 | <0.2 | <0.2 | <0.2 | <0.15 | <0.2 | <3 | <520 |
| | 12/06/01 | 067-MAY25-13-Q4-01-60 | <0.5 | <0.5 | <0.5 | <1.5 | <3 | <0.76 | N/A | 0.33 | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <0.22 | <3 | <540 |
| | 03/25/02 | 067-MAY25-13-Q1-02-63 | <0.5 | <0.5 | <0.5 | <1.5 | <3 | <0.76 | N/A | <0.21 | <0.21 | <0.21 | <0.21 | <0.21 | <0.16 | **0.22** | 2.5 | 660 |
| MAY-25-15 | 05/14/93 | --- | **2.2** | <1.0 | <1.0 | <1.0 | <5.2 | <10 | N/A | N/A | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 11/05/96 | MP6096 | <1 | <1 | <1 | <2 | <5 | **62** | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 11/25/96 | MP6109 | <1 | <1 | <1 | <2 | <5 | **55** | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 11/25/96 | MP6110 | <1 | <1 | <1 | <2 | <5 | **53** | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 6 | <1,000 |
| | 12/19/96 | MP6130 | <1 | <1 | <1 | <2 | <5 | 21 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |

**TABLE 6**
Groundwater Analytical Results

| Monitoring Well Number | Date | Sample ID | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | EDB | Naphthalene | Benzo (a) anthracene | Benzo (a) pyrene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Chrysene | Indeno (1,2,3-cd) pyrene | Total Lead | TRPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Natural Attenuation Default Source Concentration | | | 100 | 300 | 400 | 200 | --- | 350 | 2 | 200 | 20 | 20 | 20 | 50 | 480 | 20 | 150 | 50,000 |
| Groundwater Cleanup Target Level | | | 1 | 30 | 40 | 20 | --- | 35 | 0.02 | 20 | 0.2 | 0.2 | 0.2 | 0.5 | 4.8 | 0.2 | 15 | 5,000 |
| | 01/21/97 | MP6134 | <1 | <1 | <1 | <2 | <5 | 18 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 02/14/97 | MP6148 | <1 | <1 | <1 | <2 | <5 | 4 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 02/24/97 | MP6154 | <1 | <1 | <1 | <2 | <5 | 5 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | 12 | <1,000 |
| | 03/12/97 | MP6169 | <1 | <1 | <1 | <2 | <5 | 4 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 04/10/97 | MP6173 | <1 | <1 | <1 | <2 | <5 | 5 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 05/22/97 | MP6248 | <1 | <1 | <1 | <2 | <5 | <2 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | **54** | 1,000 |
| | 06/12/97 | MP6285 | <1 | <1 | <1 | <2 | <5 | 6 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 07/30/97 | MP6299 | <1 | <1 | <1 | <2 | <5 | 10 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 08/20/97 | MP62304 | <1 | <1 | <1 | <2 | <5 | 8 | <0.02 | <10 | NR | NR | NR | NR | NR | NR | <5 | <1,000 |
| | 09/29/97 | MP6312 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 10/28/97 | MP6316 | <1 | <1 | <1 | <2 | <5 | 3 | N/A | <10 | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | 03/12/98 | MP6448 | <1 | <1 | <1 | <3 | <6 | 6 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 06/04/98 | MP6534 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 10 | N/A |
| | 09/29/98 | MP06631 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | N/A |
| | 12/15/98 | MP06765 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 8 | N/A |
| | 03/19/99 | MP06845 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | <5 | <200 |
| | 06/16/99 | MP6915 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | 5 | <200 |
| | 09/30/99 | MP06982 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | **42** | 460 |
| | 12/07/99 | MP07019 | <1 | <1 | <1 | <2 | <5 | <2 | N/A | <10 | NR | NR | NR | NR | NR | NR | **22** | <200 |
| | 06/15/00 | 031-MAY25-15-Q2-00-42 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | **19** | 540 |
| | 09/19/00 | 031-MAY25-15-Q3-00-45 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 1.3 B | 206 |
| | 12/12/00 | 031-MAY25-15-Q4-00-48 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | <1.2 | 413 |
| | 03/14/01 | 031-MAY25-15-Q1-01-51 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | NR | NR | NR | NR | NR | NR | 13 | 1,480 |
| | 06/26/01 | 031-MAY25-15-Q2-01-54 | <1 | <1 | <1 | <3 | <6 | <1 | N/A | <5 | **5.4** | **8.2** | **13.6** | **6.7** | **11.1** | **12.7** | 2.8 B | 703 |
| | 09/24/01 | 067-MAY25-15-Q3-01-57 | <1 | 0.45 JB | <1 | 1.1 JB | 1.55 JB | <1 | N/A | <1.8 | <0.21 | <0.21 | 0.19 | <0.21 | <0.15 | 0.12 | <3 | <520 |
| | 12/06/01 | 067-MAY25-15-Q4-01-60 | <0.5 | <0.5 | <0.5 | <1.5 | <3 | <0.76 | N/A | <0.21 | <0.21 | <0.21 | <0.21 | <0.21 | <0.21 | <0.21 | <3 | <540 |
| | 03/25/02 | 067-MAY25-15-Q1-02-63 | <0.5 | <0.5 | <0.5 | <1.5 | <3 | <0.76 | N/A | <0.21 | <0.21 | <0.21 | <0.21 | <0.21 | <0.16 | <0.21 | <3 | <210 |

Notes:
1. All results are reported in micrograms per liter (ug/L).
2. N/A = Not Analyzed for listed parameter
3. N/R = Not Reported for listed parameter
4. < = Analyte not detected at the detection level shown
5. BDL = Below laboratory detection limits
6. Sampling events dated prior to 06/15/00 were performed by previous contractor.
7. Bold indicates concentration exceeds the Groundwater Cleanup Target Level.
8. Bold and shaded concentration exceeds the Natural Attenuation Default Source Concentration.
9. Due to bottle breakage during shipping of the 09/19/00 sampling event, Total VOAs for MAY-25-4, MAY-25-9, MAY-25-13, and MAY-25-15; PAHs for MAY-25-4 and MAY-25-13; and TRPH for MAY-25-4 and MAY-25-13 were resampled on 10/19/00.
10. J = indicates value is above the method detection limit but lower than the reporting limit
11. B = indicates that the analyte was found in the method blank as well as the sample

**TABLE 7**
Groundwater Monitoring Well - Field Measurements

| Well Identification | Sample Date | Temperature (°C) | pH | Turbidity (NTU) | Conductivity (mS/cm) |
|---|---|---|---|---|---|
| MAY-25-4 | 06/15/00 | 29.3 | 6.89 | 60 | 1.100 |
| | 09/19/00 | 29.7 | 6.87 | 5 | 1.250 |
| | 10/19/00 | 28.1 | 7.15 | -10 | 1.140 |
| | 12/12/00 | 24.0 | 7.16 | 26 | 0.988 |
| | 03/14/01 | 21.8 | 7.11 | 80 | 1.210 |
| | 06/26/01 | 28.0 | 7.01 | 10 | 1.160 |
| | 09/24/01 | 29.7 | 7.02 | 5 | 1.180 |
| | 12/06/01 | 26.0 | 9.48 | 0 | 0.792 |
| | 03/25/02 | 23.9 | 7.10 | 5 | 0.862 |
| MAY-25-9 | 06/15/00 | 28.9 | 7.12 | 20 | 1.120 |
| | 09/19/00 | 30.1 | 7.02 | 38 | 1.250 |
| | 10/19/00 | 28.5 | 7.20 | 0 | 1.170 |
| | 12/12/00 | 24.2 | 7.21 | 100 | 1.100 |
| | 03/14/01 | 21.6 | 7.22 | 71 | 0.980 |
| | 06/26/01 | 27.7 | 7.14 | 10 | 1.060 |
| | 09/24/01 | 29.8 | 7.13 | 4 | 1.020 |
| | 12/06/01 | 25.7 | 9.42 | 0 | 0.694 |
| | 03/25/02 | 23.5 | 7.03 | 4 | 0.848 |
| MAY-25-13 | 06/15/00 | 28.8 | 6.95 | 66 | 1.060 |
| | 09/19/00 | 30.7 | 6.94 | 17 | 1.030 |
| | 10/19/00 | 29.1 | 7.14 | -10 | 0.876 |
| | 12/12/00 | 24.7 | 7.15 | 23 | 1.020 |
| | 03/14/01 | 22.3 | 7.27 | -10 | 0.572 |
| | 06/26/01 | 29.5 | 6.90 | 37 | 0.756 |
| | 09/24/01 | 30.4 | 7.05 | 10 | 0.943 |
| | 12/06/01 | 26.6 | 9.33 | 0 | 0.524 |
| | 03/25/02 | 24.3 | 7.23 | 3 | 0.577 |
| MAY-25-15 | 06/15/00 | 29.5 | 7.16 | 53 | 0.719 |
| | 09/19/00 | 30.4 | 7.41 | 13 | 0.868 |
| | 10/19/00 | 29.4 | 7.75 | -10 | 0.941 |
| | 12/12/00 | 26.1 | 7.77 | 8 | 1.220 |
| | 03/14/01 | 22.2 | 7.53 | 130 | 1.180 |
| | 06/26/01 | 28.8 | 6.99 | 70 | 1.080 |
| | 09/24/01 | 30.4 | 6.94 | 9 | 1.070 |
| | 12/06/01 | 26.5 | 9.02 | 0 | 0.604 |
| | 03/25/02 | 24.3 | 7.19 | 4 | 0.704 |

°C = degrees Celsius .

NTU = nephelometric turbidity units

mS/cm = millisiemens per centimeter

Note: pH meter calibration performed correctly, but suspect abnormal readings caused by meter function. CCI/J.A. Jones will monitor this situation in the future.

# Appendix C

# Laboratory Analytical Reports For Soil Samples

**(Available on CD only)**

# Appendix D

# Laboratory Analytical Reports for Groundwater Samples

(Available on CD only)