GW-001

1 of 2

Bloomfield Refinery
River Terrance
Voluntary Corrective Measures
Bioventing System Annual Report

Submitted .2013

For Duration
Jan. 2012 – Dec. 2012

Western Refining
LOGISTICS

WNR LISTED NYSE

February 28, 2013

John E. Kieling, Bureau Chief
New Mexico Environmental Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East
Santa Fe, NM 87505

Carl Chavez
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Dr
Santa Fe, NM 87505

UPS Tracking #: 1Z 881 839 01 5522 1808 (to NMED)
UPS Tracking #: 1Z 881 839 01 5301 7426 (to OCD)

6/1
GW-1
New Thumb
River Terrace
Bioventing
Inlc

Re: River Terrace Voluntary Corrective Measures
Bioventing System Annual Report
January 2012 through December 2012

Dear Mr. Kieling and Mr. Chavez,

Western Refining Southwest, Inc. - Bloomfield Refinery submits the River Terrace Voluntary Corrective Measures Bioventing System Annual Report pursuant to Section V.B.1. of the July 2007 Consent Order. This report summarizes monitoring activities and data gathered at the River Terrace throughout 2012.

If you have questions or would like to discuss any aspect of the report, please contact me at (505) 632-4171.

Sincerely,

James R. Schmaltz
Health, Safety, Environmental, and Regulatory Director
Bloomfield Refinery

Cc: Allen Hains – Western Refining – El Paso

RIVER TERRACE ANNUAL REPORT
Voluntary Bioventing System

January – December 2012

Bloomfield Refinery
Western Refining Southwest, Inc.
#50 Rd 4990
Bloomfield, New Mexico 87413

Submitted: February 2013

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List of Acronyms

benzene, toluene, ethylbenzene, and xylene (BTEX)

below grade level (bgl)

biovent well (BV)

diesel range organics (DRO)

dissolved oxygen (D.O.)

Environmental Protection Agency (EPA)

feet (ft)

gasoline range organics (GRO)

New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB)

investigation derived waste (IDW)

liters (L)

maximum contaminant level (MCL)

methyl tert-butyl ether (MTBE)

micrograms per liter (ug/L)

micro mhos per centimeter (uMhos/cm)

milligrams per liter (mg/L)

millivolts (mV)

monitoring well (MW)

New Mexico Administrative Code (NMAC)

Oxidation reduction potential (ORP)

parts per million (ppm)

photoionization detector (PID)

polyvinyl chloride (PVC)

pounds per square inch (psi)

Resource Conservation and Recovery Act (RCRA)

separate phase hydrocarbon (SPH)

Solid Waste Management Units (SWMUs)

Standard cubic feet per minute (scfm)

Temporary piezometer (TP)

top of casing (TOC)

total petroleum hydrocarbon (TPH)

toxicity characteristic leaching procedure (TCLP)

volatile organic constituent (VOC)

Water Quality Control Commission (WQCC)

Executive Summary

This report is a summary of monitoring activities conducted in 2012 at the River Terrace Bioventing System located at the Bloomfield Refinery. The following is a synopsis of activities performed at the River Terrace in 2012.

Dewatering System

The Dewatering System operated well during 2012. A total of 1,292,472 gallon of impacted groundwater was removed and treated through the biovent system GAC filters. At the inlet to the dewater system, the average BTEX concentration detected above the respective laboratory detection limits was 3.1 mg/L. The average TPH-DRO and TPH-GRO GAC inlet concentrations were 1.15 mg/L and 6.38 mg/L, respectively. The analytical samples collected at the GAC outlet were consistently below the respective laboratory reporting limits. Therefore, the groundwater system was successful at targeting the impacted groundwater and treating the water to below respective regulatory screening limits.

Aeration System

The aeration system ran throughout 2012, except during times when regular maintenance was performed on the mechanical equipment and also during portions of when the system optimization work was being implemented. The air pressure readings at each of the biovent wells were consistent, affirming an even distribution of air throughout the biovent area.

Soil gas field measurements were collected at selective TP wells. The field readings show that there exists sufficient oxygen levels in the biovent area subsurface to sustain bioremedial activity.

Groundwater Monitoring

On-going groundwater monitoring activities were conducted in 2012 in compliance with the New Mexico Environment Department – Hazardous Waste Bureau's approval of Western's proposed performance monitoring at the River Terrace (NMED, 2011). Groundwater samples were collected from selected TP and monitoring wells during high flow and low flow operating conditions of the San Juan River. The groundwater sample results show that the area of the impacted groundwater is contained and separated from the San Juan River through use of groundwater recovery efforts and the existence of the underground slurry barrier. Elevated groundwater concentrations are localized to the area around TP-1. The analytical for samples collected at monitoring well MW-49, located on the river side of the river terrace slurry wall,

show that the San Juan River continues to not be impacted by the groundwater impacts within the biovent area.

Western has conducted three separate in-situ respiration tests at the River Terrace area in May 2006, September 2007, and October 2009. In a response letter from the New Mexico Environment Department – Hazardous Waste Bureau (NMED) dated November 23, 2010 (NMED, 2010), NMED granted approval to discontinue conducting the in-situ respiration tests. Therefore to-date, no additional in-situ respiration testing has been conducted.

System Optimization

On October 12, 2012, NMED Hazardous Waste Bureau approved a Work Plan submitted by Western dated October 9, 2012 authorizing Western to optimize the remediation efforts at the River Terrace area. Optimization activities conducted in 2012 included the removal of approximately 250 cubic yards of impacted clay-type soil from the river terrace area, and conversion of a portion of the biovent system to an air sparging system in efforts to target the most impacted groundwater area located within the southwest corner of the River Terrace Area. A more detailed report documenting these activities will be submitted to NMED-HWB under a separate cover.

Recommendations

Soil gas field measurements indicate that the aeration system has been successful in maintaining sufficient oxygen within the subsurface to help sustain bioremedial activity. Groundwater samples indicate that the impacted groundwater in the River Terrace area remains within the influence area of the bioventing system. GAC filter monitoring results indicate that the GAC filter system is successful at treating the extracted groundwater.

Western will continue to refine the optimization changes to the system with the intent to target both soil and groundwater remediation through the combination of air sparging, bioventing and groundwater extraction. A more detailed summary of the system optimization activities will be submitted to NMED-HWB under a separate cover.

Section 1
Introduction

1.1 Site Location and Description

Owner: San Juan Refining Company, a New Mexico Corporation
1250 Washington Street
Tempe, Arizona 85281

Operator: Western Refining Southwest, Inc.
(Formerly Giant Industries Arizona, Inc.), an Arizona Corporation
1250 Washington Street
Tempe, Arizona 85281

Facility: Bloomfield Refinery (physical address)
50 Road 4990
Bloomfield, New Mexico 87413

Western Refining Southwest, Inc. (postal address)
P.O. Box 159
Bloomfield, New Mexico 87413

US EPA ID: NMD089416416

SIC Code: 2911

The Bloomfield Refinery is currently owned by San Juan Refining Company, a New Mexico corporation, and operated by Western Refining Southwest, Inc. formerly known as Giant Industries Arizona, Inc., an Arizona corporation. The Bloomfield Refinery had an approximate refining capacity of 18,000 barrels per day. Various process units operated at the facility, including crude distillation, reforming, fluidized catalytic cracking, sulfur recovery, merox treater, catalytic polymerization, and diesel hydrotreating. Products produced at the refinery included gasoline, diesel fuels, jet fuels, kerosene, propane, butane, naphtha, residual fuel, fuel oils, and LPG.

The Bloomfield Refinery is located on approximately 263 acres south of Bloomfield, New Mexico in San Juan County (Figure 1). The refinery complex is bisected by County Road 4990 (Sullivan Road), which runs east-west. The process units, tank farm, wastewater treatment system, raw water ponds, and fire training area are located north of the county road. The crude oil and product loading racks, LPG storage tanks and loading racks, maintenance buildings/90-day storage area, pipeline offices, transportation truck shop, and Class I injection well are located south of the country road (Figure 2).

The refinery is located on a bluff 120 feet above the south side of the San Juan River. The top of the bluff is relatively flat and is at an elevation of 5,540 feet above sea level. Based on the available site-specific and regional subsurface information, the site is underlain by the Quaternary Jackson Lake terrace deposits, which unconformably overlie the tertiary Nacimiento Formation. The Jackson Lake deposits consist of fine grained sand, silt, and clay that grades to course sand, gravel and cobble size material closer to the contact with the Nacimiento Formation. The Jackson Lake Formation is over 40 feet thick near the southeast portion of the site and generally thins to the northwest toward the San Juan River. The Nacimiento Formation is primarily composed of fine grained materials (e.g., carbonaceous mudstone/claystone with interbedded sandstones) with a reported local thickness of approximately 570 feet (Groundwater Technology, 1994).

The River Terrace Area is located north of the Hammond Ditch, approximately 120 feet lower in elevation than the Refinery process and Tank Farm areas. Since 2006, Western has operated a bioventing system for the purpose of providing oxygen to the subsurface and support aerobic biodegradation of petroleum hydrocarbons that were identified in soil along the western portion of the River Terrace to a depth of approximately 8 feet below existing grade surface (bgs). The bioventing system includes a dewatering system, which consists of two dewatering wells and a collection gallery. The dewatering wells are equipped with variable-speed submersible pumps, which were installed and operational in January 2006. The collection gallery, consisting of a 4-inch perforated pipe with an 8-inch diameter vertical riser pipe and submersible pump, was installed and placed into operation by early October 2009. The dewater system is used to enhance the effectiveness of the bioventing system by dewatering the influenced area. The more efficient the dewatering system operates the larger vadose zone that is exposed to air injection, and thus supporting enhanced bioremedial activity.

Section 2
Background

This section presents a summary of the events and activities conducted at the River Terrace Area since 1999.

1999

- Installation of a bentonite slurry and sheet pile barrier wall adjacent to the San Juan River was completed. The barrier extends approximately 35 feet below the ground surface, and extends around the perimeter of the riverbank from the bluff opposite the west end of the process area to the river inlet station. The bentonite slurry and sheet pile barrier wall was installed to prevent hydrocarbons from migrating into the San Juan River.

2004

- Two groundwater monitoring wells were installed (MW-48 and MW-49) to replace two piezometers (P-4 and P-5). In addition, eight temporary piezometers were installed (TP-1 through TP-8). The purpose of installing the monitoring wells and piezometers was to determine the extent of hydrocarbon impacts in soil on the refinery side of the bentinite slurry wall and sheet pile barrier.

2005

- Bloomfield Refinery initiated construction of the River Terrace Bioventing Project to provide oxygen to the subsurface and support aerobic biodegradation of petroleum hydrocarbons existing in the soil at the River Terrace. Construction activities included the following:

    - Installation of five additional piezometers (TP-9 through TP-13) within the eastern portion of the River Terrace area.

    - Construction of an aeration system designed to increase bioremedial activity in the subsurface. The aeration system included installation of 13 bioventing wells (BV-1 through BV-13), all located within the western portion of the River Terrace area. The bioventing wells were installed in August 2005.

    - Construction of a dewatering system designed to expand the bioremedial vadose zone. The dewatering system included installation of two dewatering wells (DW-1 and DW-2). The dewatering wells were installed in August 2005.

2006

- Operation of the Bioventing System commenced in January 2006. System monitoring activities were conducted in compliance with the approved River Terrace Voluntary Corrective Measures Monitoring Plan (Revised) dated October 28, 2005 (Malcolm Pirnie, 2005).
- An In-Situ Respiration Test was conducted in May 2006. The results of the In-Situ Test were used to evaluate progress of the bioremedial activity.

- Quarterly performance monitoring was conducted in March, June, September, and December of 2006.

2007

- Quarterly performance monitoring of the Bioventing System was conducted in February, June, August, and October.
- An In-Situ Respiration Test was conducted in September. The results of the In-Situ Test were used to evaluate progress of the bioremedial activity.
- The dewatering pumps were replaced in February 2007.
- Breakthrough in the lead GAC (V-612) was detected in April 2007. Upon confirmation of breakthrough, GAC filter V-611 became the lead GAC filter. V-612 was replaced and placed back in service in June as the lag filter.

2008

- Quarterly performance monitoring activities for the Bioventing System were conducted in March, May, July, and November.
- The aeration system blower bearings were replaced in February 2008.
- The dewatering pump equipped in monitoring well MW-48 was replaced in August 2008.
- Blower piping was upgraded in October 2008.

2009

- Quarterly performance monitoring for the Bioventing System was conducted in March, April, September, and October 2009.
- An In-Situ Respiration Test was conducted during the week of October 26, 2009.
- In order to improve and optimize the dewatering system, a collection gallery, pump, and piping system were installed in the southwest portion of the River Terrace and put in service October 13, 2009.

2010

- Quarterly performance monitoring for the Bioventing System was conducted in March, April, July, and October of 2010.
- Following suspension of refining operations on November 23, 2009, operation of the River Pump station decreased, thus impacting the frequency of the River Terrace dewatering system. Although the aeration system continued to operate consistently, operation of the dewatering system has become infrequent due to the decreased demand for fresh water to support current facility operations.

2011

- In March 2011, Western received approval from NMED-HWB to modify the piping of the River Terrace dewatering system. Piping modifications included installation of a 3,000-gallon surge tank and booster pump which allows the treated water from the River Terrace dewatering system to discharge directly into the Refinery's fresh water ponds. Piping modifications were completed in April 2011.

- Approved modifications to on-going monitoring at the River Terrace (NMED, 2011) were implemented as part of the 2011 sampling program for the River Terrace. High and low flow monitoring events were conducted in June 2011 and July 2011, respectively.
- Quarterly performance monitoring of the Biovent System GAC filters inlet and outlet occurred in March, May, July, and October of 2011.
- Monthly samples were collected at the discharge of the lead GAC filter on a monthly basis, with the exception that a sample was not collected in April 2011 due to the dewatering system being off-line.

2012

- In June 2012, the lead GAC filter was exchanged for a new filter. The biovent dewatering system consists of two GAC filters that operate in series. The new filter was placed in the lag position, and the previous lag filter was placed in the lead position.
- In October 2012, Western submitted a Work Plan that summarized proposed activities to optimize the remediation progress at the River Terrace. Approval of the Work Plan was issued by NMED-HWB on October 12, 2012. Field activities commenced on October 20, 2012 and included the following activities:
    - Removal of impacted clay soil at the River Terrace; and
    - installation of a sparging piping to target areas of the river terrace where groundwater is impacted.

Section 3
Performance Monitoring

Performance monitoring at the River Terrace area includes collecting groundwater and soil gas samples for laboratory analysis, collecting field measurement and system readings, and evaluating system treatment performance by the GAC filter system. The location of the river terrace wells and bioventing system is shown in Figure 3. A summary of the field methods used to conduct performance monitoring at the River Terrace is provided in Appendix B.

The following is a summary of monitoring activities conducted at the River Terrace area in 2012. These activities were performed in accordance with NMED's approval to modify the monitoring plan for the River Terrace area (NMED, 2011), and in accordance with NMED's approval to optimize the river terrace remediation system (NMED, 2012).

3.1 Groundwater Monitoring

Based on NMED's approval to modify the sampling requirements for the River Terrace area (NMED, 2011), groundwater samples were collected in 2012 during high and low flow operation of the San Juan River. Groundwater sampling activities during high flow conditions of the San Juan River (i.e. with a flow rate of approximately 5,000 scfm) were conducted the week of May 29, 2012. Groundwater sampling activities during low flow conditions of the San Juan River (i.e. with a flow rate of approximately 500 scfm) were conducted the week of April 9, 2012. The following is a summary of activities performed during the two groundwater monitoring events conducted in 2012.

3.1.1 Groundwater Measurements

Depth-to-groundwater and depth-to-product measurements were collected from each of the TP wells, DW-1, and MW-49 prior to the collection of groundwater samples during the San Juan River high flow and low flow sampling events. A summary of the groundwater measurements is provided in Table 2.

3.1.2 Groundwater Field Parameters

Groundwater field parameters (temperature, pH, conductivity, D.O., and ORP) were collected prior to collecting groundwater samples. Groundwater field parameters were collected from TP-1, TP-2, TP-5, TP-6, TP-8, TP-9, and MW-49 during low flow and high flow operation of the San

Juan River. A summary of the groundwater field parameters collected during each sampling event are included in Table 2.

3.1.3 Groundwater Sampling

Groundwater samples were collected from specific River Terrace area wells during periods of high flow and low flow operation of the San Juan River. Groundwater samples were collected from TP-1, TP-2, TP-5, TP-6, TP-8, TP-9 and MW-49. Groundwater samples collected during each sampling event were submitted to Hall Environmental Analytical Laboratory and analyzed for the following:

- Volatile Organic Compounds – BTEX and MTBE by EPA Method 8021B;
- Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO) by EPA Modified Method 8015B;
- Total Petroleum Hydrocarbons (TPH) – Diesel Range Organics (DRO) by EPA Modified Method 8015B; and
- Total Recoverable Metals – Total lead by EPA Method 6010C.

The procedure followed for collecting groundwater samples is provided in Appendix B. A summary of the groundwater analytical results is provided in Table 2.

3.2 Soil Vapor Monitoring

3.2.1 Pressure and Velocity Readings

During each sampling event, field pressure readings were collected from TP-1, TP-2, TP-5, TP-6, TP-8, TP-9, and MW-49 using a hand-held magnahelic gauge connected to the sample port at the top of each well. Pressure readings were inadvertently not collected at TP-7 and DW-1 during the high and low flow sampling events Refer to Table 1 for a summary of the pressure readings collected at the TP wells and MW-49 in 2012.

Injection pressure and air flow velocity readings were collected from the bioventing wells during the high and low sampling events. Pressure readings were inadvertently not collected on a quarterly frequency. Overall system pressure measurements were also collected at the main air blower. Due to the piping configuration, an all system flowrate measurement could not be collected. Refer to Table 3 for a summary of the pressure and air flow velocity readings.

3.2.2 Soil Gas Field Parameters

Field measurements of soil gas hydrocarbons (using a PID), oxygen, and carbon dioxide concentrations (using a multi-gas meter) were collected from each of the TP wells within the western portion of the River Terrace area (TP-1, TP-2, TP-5, TP-6, TP-8, and TP-9), and MW-49 during both the low flow and high flow sampling events. Soil gas field parameters were inadvertently not collected at TP-7 and DW-1 during both high and low flow sampling events. A summary of the soil gas field parameters is provided in Table 1.

3.2.3 Soil Gas Sampling

Soil gas samples were collected from the TP wells located in the western portion of the River Terrace area (TP-1, TP-2, TP-5, TP-6, TP-8, and TP-9), and MW-49 during low flow operation of the San Juan River. Additional soil gas samples were collected from the same 7 wells during high flow conditions. Samples were inadvertently not collected at TP-3, TP-7, TP-10, TP-11, TP-12, TP-13, and DW-1 during low flow operation of the San Juan River. All soil gas samples were collected in tedlar bags, and submitted to Hall Environmental Analytical Laboratory to be analyzed for the following parameters:

- Volatile Organic Compounds – BTEX by EPA Method 8021B
- Total Petroleum Hydrocarbons – GRO by EPA Method 8015B

A summary of the soil gas analytical results is provided in Table 1.

3.3 Bioventing System Performance Monitoring

3.3.1 GAC Sampling

Extracted groundwater from the active dewatering wells is treated prior to discharging to the raw water ponds, located within the east portion of the refinery. Extracted groundwater is pumped through two granular activated carbon (GAC) filters positioned in series for removal of dissolved-phase hydrocarbons.

GAC influent (GAC-Inlet) samples, GAC effluent samples (GAC-Lag), and lead GAC filter effluent samples (GAC-Lead) were collected quarterly. Samples were submitted to Hall Environmental Analytical Laboratory and analyzed for the following parameters:

- Volatile Organic Compounds – BTEX by EPA Method 8021B
- Total Petroleum Hydrocarbons – Gasoline Range Organics by EPA Method 8015B
- Total Petroleum Hydrocarbons – Diesel Range Organics by EPA Method 8015B

Additional samples were collected at the outlet of the lead GAC (GAC-LEAD) monthly during 2012. First quarter samples collected at the GAC inlet, and GAC outlet were inadvertently not analyzed for BTEX. GAC samples collected during 2012 were inadvertently not analyzed for MTBE. A summary of the GAC sample analytical results is provided in Table 4.

3.3.2 In-Situ Respiration Test

Western has conducted three separate in-situ respiration tests at the River Terrace area in May 2006, September 2007, and October 2009. The suspension of refining operations causes the dewatering system to operate intermittently which in turn affects exposure of the vadose zone thus affecting the accuracy of the in-situ respiration test. In a response letter from NMED dated November 23, 2010 (NMED010), NMED granted approval to discontinue conducting the in-situ respiration tests. Therefore an in-situ respiration was not performed in 2012.

Section 4
Remediation System Optimization

During installation of the River Terrace collection gallery in 2009, Western identified a hydrocarbon-impacted clay layer approximately 4 to 6 inches thick and between 3 and 6 feet below the ground surface. Based on field observations made during installation of the collection gallery, the impacted clay layer was believed to be serving as a source to groundwater during high river flow conditions, and was also thought to be servings as a "cap" over the aeration area and thus deterring progress of aerating the vadose zone.

On October 12, 2012, NMED Hazardous Waste Bureau approved a Work Plan submitted by Western dated October 9, 2012 that summarized proposed activities intended to optimize the remediation efforts at the River Terrace area. The Work Plan activities included removal of impacted clay-type soil, and conversion of a portion of the biovent system to an air sparging system in efforts to target the most impacted groundwater area located within the southwest corner of the River Terrace Area. Below is a brief summary of the activities performed in 2012 pursuant to the approved optimization Work Plan. A more detailed report documenting these activities will be submitted to NMED-HWB under a separate cover.

4.1 Excavation Activities

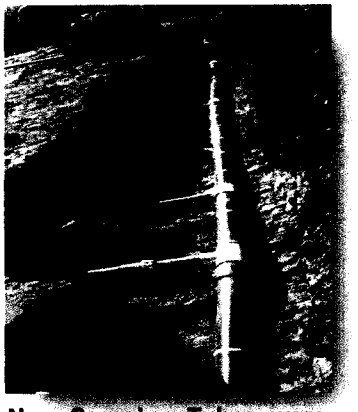
On October 22nd Western initiated field activities that included removal of a clay layer located within the western portion of the river terrace area. Through excavation efforts, the clay layer was found to be approximately 3 to 4 feet below grade and measured between 3 to 6 inches thick. Initially as outlined in the approved Work Plan, excavation efforts were to be limited to the southwest portion of the biovent area. However, due to the effectiveness of excavation efforts, the excavated area extended to over 90 percent of the biovent area resulting in removal of the majority of the clay layer in the River Terrace area. Figure 8 shows the approximate foot print of the area excavated in 2012.

A contaminated clay layer was found 3 ft below grade. This picture shows the edge of the contamination on the North West side of the River Terrace.

Excavation efforts included removal of the soil above the clay layer (overburden) to a depth of just above the clay layer. The impacted clay layer was then carefully segregated and staged on appropriate secondary containment. The overburden was placed back into the excavation and mixed vigorously to enhance the bacterial consumption of hydrocarbons.

4.2 Air Sparging Modifications

In order to optimize removal of the clay layer, six biovent wells (BV-8 through BW-13) and two piezometers (TP-1 and TP-2) were removed during excavation activities due to their close proximity to the target areas. The biovent wells were replaced with a more aggressive air sparging piping network.



New Sparging Tubes were added to the system

A total of 13 new sparging tubes were installed to replace the six removed biovent wells. Each sparging tube is made of 2-inch diameter PVC and is approximately 5 ft in length, extending vertically into the water table. At the end of each sparging tube is a 6-inch long machine slotted pipe. The machine-slotted section of pipe is approximately 2 feet below the water surface enhancing the sparging effects. The new sparging tubes connect to a 4-inch PVC header pipe from which air is transferred through from the biovent system main air blower. The 4-inch piping manifold is buried approximately two feet below ground to protect the piping from weather degradation effects and allow better access to the biovent area. There are 4 new sparging tubes on the middle line and 9 new sparging tubes along the Southside of the River Terrace. The approximate location of the 13 sparging points are shown on Figure 8.

The new modification to the bio-venting system was run through volume calculations by a mechanical engineer in order to verify it would continue to function correctly, according to the specifications of the system. On completion of the new system, air pressure tests were also preformed to confirm functionality of the new system.

4.3 Investigation Derived Waste

Approximate 250 cubic yards of excavated soil was placed on secondary containment. Two composite samples were collected of the staged material. Each composite sample was collected by depositing five aliquots of soil from five random locations of each stock pile into a

clean sample container provided by the analytical laboratory. Each composite sample was sent to the laboratory and analyzed for the following:

- BTEX by EPA Method 8260B;
- TPH-DRO by EPA Method 8015B;
- TPH-GRO by EPA Method 8015B'
- RCRA 8 TCPL Metals by EPA Method 6010B; and
- Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8310.

The waste characterization results showed that the material in both stock piles is non-hazardous.

Section 5
Conclusions and Recommendations

This section summarizes and provides an evaluation of the results shown in field monitoring data and analytical data. The analytical reports for groundwater and soil gas samples are provided in Appendix D. The regulatory criteria and groundwater clean-up standards used to compare the river terrace sample results are provided in Appendix A.

5.1 Conclusions

5.1.1 Groundwater Monitoring

Depth-to-groundwater measurements were collected during the high flow and low flow operation of the San Juan River. The change in elevation at MW-49 (the well located in the river-side of the river terrace slurry wall) between low and high flow operation of the San Juan River was approximately 3.8 feet. The average groundwater elevation increase within the bioventing area between low and high flow operation of the San Juan River was approximately 1.6 ft. The lesser effect of the groundwater elevation change between the high and low flow conditions of the San Juan River within the bioventing area could be attributed to the operation of the dewatering system and the existence and the underground slurry barrier. The change in elevation at TP-9 between high flow and low flow river operations (3.57 ft) is similar to changes seen at MW-49 (the monitoring well along the river).

Groundwater samples were collected at specific wells and analyzed for volatile organic compounds (benzene, toluene, ethylbenzene, xylenes, and MTBE), TPH-DRO, TPH-GRO, and total metals (lead). The analytical results for samples collected in 2012 were below their respective screening levels with the following exceptions:

- Lead was detected at concentrations above the Maximum Contaminant Level (MCL) of 0.015 mg/L in five locations (TP-1, TP-2, TP-5, TP-6, and TP-8). The highest concentration of lead was detected at TP-5 (0.360 mg/L) during low flow states of the San Juan River. All the locations where lead was detected above the respective MCL are located within the active bioventing area.
- Benzene was detected at concentrations above the respective MCL (0.005 mg/L) at two locations (TP-1 and TP-2). The highest concentration of benzene was detected at TP-1 (3.50 mg/L) during low flow stages of the San Juan River. Both TP-1 and TP-2 are located within the active bioventing area.
- Ethylbenzene was detected at concentrations above the respective MCL (0.7 mg/L) at two locations (TP-1 and TP-2,). The highest concentration of ethylbenzene was detected at TP-2 (3.6 mg/L) during low flow stages of the San Juan River. The two

locations where ethylbenzene was detected above the respective screening level are located within the active bioventing area.

- Xylenes were detected at concentrations above the respective WQCC screening level (0.62 mg/L) at two locations (TP-1 and TP-2). The highest concentration of xylenes was detected at TP-2 (25.0 mg/L) during low flow stages of the San Juan River. The two locations where xylenes were detected above the respective screening level are located within the active bioventing area.
- TPH-DRO was detected at concentrations above the respective NMED screening level of 0.2 mg/L at four locations (TP-1, TP-2, TP-5, and TP-8). The highest concentration of TPH-DRO was detected at TP-1 (2.8 mg/L) during low flow states of the San Juan River. All four locations where TPH-DRO was detected above the respective screening level are located within the active bioventing area.

Table 2 provides a summary of the analytical groundwater results. Figure 6 and Figure 7 are concentration maps shows the benzene, toluene, ethylbenzene, and xylenes concentrations for the River Terrace wells during high and low flow conditions, respectively.

5.1.2 Soil Vapor Monitoring

Soil gas field readings were collected to measure organics, oxygen, and carbon dioxide in the subsurface. The PID meter detected low level concentrations of organics, ranging from 0.0 ppm to 52.1 ppm. The highest concentration was detected at TP-1, located within the active area of the bioventing system. The oxygen levels, ranging from 20.8 % and above indicate that the entire river terrace area is well oxygenated, which is supportive of bioremedial activity. Soil gas field readings are provided in Table 1.

Soil gas samples were collected at specific wells and analyzed for volatile organic compounds (benzene, toluene, ethylbenzene, and xylenes), and TPH-GRO. A summary of the results is provided in Table 1. The analytical results for samples collected in 2012 were not detected above the laboratory screening level, with the exception of the following:

- Benzene was detected in a sample collected at TP-1 during high flow stages of the San Juan River. Benzene was detected in soil gas at a concentration of12.0 ug/L.
- Ethylbenzene was detected in samples collected at TP-1, with a concentration detected at 12.0 ug/L during high flow stages of the San Juan River.
- Xylene was detected in samples collected at TP-1, with a concentration detected at 26 ug/L during high flow states of the San Juan River.
- TPH-GRO was detected in samples collected at TP-1, TP-6, TP-7 and TP-8, with the highest concentration detected at TP-1 (190.0 ug/L) during high flow states of the San Juan River.

Soil gas field measurements indicate that the aeration system has been successful in maintaining sufficient oxygen within the subsurface to help sustain bioremedial activity. The elevated PID field readings correlate with the respective soil gas analytical results. Well location TP-1 shows the highest soil gas concentrations, which also correlates to the groundwater results in this location.

5.1.3 Biovent System Monitoring

In 2012 approximately 1,292,472 gallons of groundwater were treated through river terrace GAC filters. Groundwater samples were collected at the GAC filter inlet, at the outlet of the lead filter, and at the outlet of the lag filter during 2012 and submitted to the lab for analysis of volatile organic compounds (benzene, toluene, ethylbenzene, and xylenes), TPH-DRO, and TPH-GRO. At the GAC-inlet, the average BTEX concentration detected above the respective laboratory detection limit for 2012 was 3.1 mg/L. The average TPH-DRO and TPH-GRO GAC inlet concentrations were 1.15 mg/L and 6.38 mg/L, respectively.

Benzene and TPH-GRO concentrations were detected at the outlet of the lead GAC during the first and second quarter of 2012. The average detected benzene and TPH-GRO concentration at the GAC-Lead sample location was 0.02 mg/L and 0.61 mg/L, respectively.

During the later part of June 2012, Western changed-out the lead GAC filter with a new filter. This is reflective in the non-detect sample results of samples collected from the effluent of the lead GAC filter after June 2012. Samples collected at the outlet of the GAC filter throughout 2012 (GAC-Lag) shows that the intermittent breakthrough detections in the lead filter were captured by the lag filter. A summary of the sample results is presented in Table 4.

Pressure readings were collected at the biovent well and the main air blower in 2012. The air injection system ran consistently throughout 2012 and required no changes to the air distribution. The pressure readings at each BV well was consistent and at a sufficient level to provide aeration to the vadose zone. Velocity readings were not collected at each of the BV locations due to instrument failure. As part of the system's original construction, each BV well was equipped with an in-line flow meter. Over the years, these flow meters have weathered. The absence of a velocity measurement is not reflective of a decrease in air injection. This is evident in the field and through the consistent pressure readings at each well location.

5.2 Recommendations

Soil gas field measurements indicate that the aeration system has been successful in maintaining sufficient oxygen within the subsurface to help sustain bioremedial activity. Groundwater samples indicate that the impacted groundwater in the River Terrace area remains within the influence area of the bioventing system. GAC filter monitoring results indicate that the GAC filter system is successful at treating the extracted groundwater.

Western will continue to refine the optimization changes to the system with the intent to target both soil and groundwater remediation through the combination of air sparging, bioventing and groundwater extraction. A more detailed summary of the system optimization activities will be submitted to NMED-HWB under a separate cover. Samples inadvertently not collected in 2012 will be collected going forward.

Section 6
References

Groundwater Technology Inc., 1994, RCRA Facility Investigation/Corrective Measures Study Report Bloomfield Refining Company #50 County Road 4990 Bloomfield, New Mexico, p.51.

Malcolm Pirnie, 2005, Giant Refining Company, Bloomfield Refinery, River Terrace Voluntary Corrective Measures – Revised Monitoring Plan, October 28, 2005.

NMED, 2007, River Terrace Voluntary Corrective Measures Bioventing System Annual Report January 2006 through December 2006, Bloomfield Refinery, Bloomfield, New Mexico, April 18, 2007.

NMED, 2009, Approval with Direction River Terrace Voluntary Corrective Measures Bioventing System Annual Report January 2008 through December 2008, Bloomfield Refinery, Bloomfield, New Mexico, June 16, 2009.

NMED, 2010, Request to Suspend In-Situ Respiration Testing at the River Terrace Area, Western Refining Company Southwest, Inc., November 23, 2010.

NMED, 2011, Proposals to Modify Monitoring at the River Terrace Area, Western Refining Company Southwest, Inc., Bloomfield Refinery, March 15, 2011.

NMED, 2012, Approval Group 7 – SWMU No. 17 River Terrace Area Remediation System Optimization Work Plan, Western Refining Company Southwest, Inc., Bloomfield Refinery, October 12, 2012.

TABLES

TA 1
2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-1	High Flow 2012	Week of 05-31-12	8.4	4.56	0.00	52.1	20.9	0.0	12.00	<0.50	12.00	26.0	190
	Low Flow 2012	Week of 04-9-12	11.0	5.99	0.00	18.7	20.8	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	8.9	7.05	0.00	5.3	20.9	0.0	<0.10	<0.10	0.12	10	420
	High Flow 2011	Week of 06-13-11	10.8	5.86	0.00	1.3	19.6	0.0	0.82	<0.10	0.54	0.56	11
	4th Quarter 2010	Week of 10/18/10	11.5	6.30	0.00	0.7	20.2	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	11.0	5.90	0.00	4.3	20.5	0.1	0.14	<0.10	0.39	1.5	17
	2nd Quarter 2010	Week of 4/19/10	12.7	6.96	0.30	56.2	20.3	0.0	<0.10	0.3	0.11	7.4	220
	1st Quarter 2010	Week of 3/08/10	8.0	4.40	0.00	6.2	20.9	0.0	0.70	<0.10	0.62	3.8	34
	4th Quarter 2009	Week of 10-05-09	8.9	4.90	0.00	5.3	20.9	0.0	0.19	<0.10	2.20	12.0	49
	3rd Quarter 2009	Week of 9/10/09	8.9	4.90	0.00	5.1	20.9	0.1	0.62	0.12	94.0	3.3	67
	2nd Quarter 2009	Week of 4/20/09	10.0	5.26	2.00	234.0	20.9	1.1	5.10	<0.10	16.0	100.0	330
	1st Quarter 2009	Week of 3/02/09	9.0	4.91	1.00	37.8	20.9	0.0	0.92	<0.10	3.8	24.0	65
	4th Quarter 2008	Week of 11/10/08	8.0	4.85	0.00	20.4	20.9	0.0	7.70	<0.50	8.0	31.0	210.0
	3rd Quarter 2008	Week of 7/14/08	9.9	5.37	0.00	10.6	20.9	0.0	0.16	0.19	0.2	6.3	48.0
	2nd Quarter 2008	Week of 5/12/08	7.2	3.97	0.00	10.4	20.9	0.0	0.40	<0.10	0.42	1.4	15.0
	1st Quarter 2008	Week of 03/10/08	6.8	3.63	0.00	328.0	20.9	0.4	4.50	<0.10	6.0	11.0	90.0
	4th Quarter 2007	Week of 10/29/07	9.6	5.29	0.00	51.0	19.3	0.7	6.10	<0.10	9.0	12.0	95.0
	3rd Quarter 2007	Week of 8/20/07	11.4	6.24	0.00	3275.0	17.9	4.2	23.00	<0.10	75.0	390.0	1300.0
	2nd Quarter 2007	Week of 6/18/07	10.3	5.67	0.00	301.0	19.0	0.4	<0.10	<0.10	0.28	1.0	7.4
	1st Quarter 2007	Week of 2/26/07	14.2	7.79	0.11	1981.0	20.4	0.3	6.10	8.20	150	1200.0	7300.0
	4th Quarter 2006	Week of 12/04/6	13.5	7.42	0.02	1146.0	20.8	0.3	<5.00	8.30	140.0	1000.0	8000.0
	3rd Quarter 2006	Week of 9/11/06	10.4	5.68	0.01	85.5	20.6	0.1	29.00	<2.0	36.0	170.0	920.0
	2nd Quarter 2006	Week of 6/17/06	12.5	6.80	0.05	1452.0	18.9	0.5	2.60	5.50	<2.0	210.0	3100.0
	1st Quarter 2006	Week of 3/06/06	15.0	8.04	0.30	1534.0	20.7	0.1	22.00	321.00	12.0	2100.0	8500.0
	Pre-Dewater	Week of 1/09/06	9.4	5.14	0.00	1401.0	15.0	1.3	5.80	47.00	3.5	320.0	2800.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-2	High Flow 2012	Week of 05-31-12	11.2	6.10	7.00	0.3	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2012	Week of 04-9-12	13.8	7.54	2.00	0.0	20.8	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	14.1	8.34	4.70	0.4	20.3	0.0	<0.10	<0.10	0.17	0.1	5.1
	High Flow 2011	Week of 06-13-11	12.9	7.23	1.50	2.5	19.7	0.0	<0.10	<0.10	<0.10	0.63	18
	4th Quarter 2010	Week of 10/18/10	14.1	7.70	4.00	0.4	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	13.0	7.29	6.20	0.6	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	14.9	8.13	8.00	1.3	20.6	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	12.0	6.56	18.00	0.6	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2009	Week of 10-05-09	12.0	6.60	3.10	0.7	20.9	0.0	<0.10	<0.10	<0.10	0.34	<5.0
	3rd Quarter 2009	Week of 9/10/09	11.9	6.52	2.50	0.3	20.9	0.1	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	13.0	6.89	8.30	87.5	20.9	0.0	<0.10	<0.10	<0.10	15.0	290
	1st Quarter 2009	Week of 3/02/09	11.8	6.46	10.50	70.5	20.9	0.0	<0.50	<0.50	1.10	48.0	370
	4th Quarter 2008	Week of 11/10/08	5.8	6.72	6.00	19.5	20.9	0.0	<0.10	<0.10	0.14	1.7	78.0
	3rd Quarter 2008	Week of 7/14/08	12.9	7.06	5.00	71.7	20.9	0.1	<0.50	0.78	1.20	47.0	410.0
	2nd Quarter 2008	Week of 5/12/08	10.0	5.52	1.20	30.3	20.9	0.1	2.80	<1.0	7.10	34.0	310.0
	1st Quarter 2008	Week of 03/10/08	9.7	5.30	1.20	12.5	20.9	0.0	0.57	<0.10	0.36	1.1	18.0
	4th Quarter 2007	Week of 10/29/07	12.5	6.86	0.00	0.7	19.7	0.0	<0.10	<0.10	<0.10	<0.10	<5.0
	3rd Quarter 2007	Week of 8/20/07	14.1	7.73	0.00	13.0	19.9	0.0	<0.10	<0.10	<0.10	<0.10	<5.0
	2nd Quarter 2007	Week of 6/18/07	13.7	7.50	0.10	112.0	20.1	0.1	<0.10	<0.10	<0.10	1.4	10.0
	1st Quarter 2007	Week of 2/26/07	16.2	8.86	0.10	8.8	20.6	0.1	<0.10	<0.10	1.1	17.0	88.0
	4th Quarter 2006	Week of 12/04/6	16.5	9.03	0.08	67.0	20.9	0.0	0.11	<0.10	1.6	18.0	120.0
	3rd Quarter 2006	Week of 9/11/06	13.4	7.37	0.01	5.4	20.9	0.0	<0.10	<0.10	<0.10	<0.10	<5.0
	2nd Quarter 2006	Week of 6/17/06	15.1	8.27	0.15	23.8	20.9	0.0	0.21	0.23	0.12	2.8	25.0
	1st Quarter 2006	Week of 3/06/06	18.0	9.83	0.05	92.7	20.9	0.0	0.36	1.80	1.4	17.0	150.0
	Pre-Dewater	Week of 1/09/06	12.0	6.62	0.00	1589.0	4.0	6.4	7.80	11.00	8.0	88.0	1100.0

TA 1
2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-3	High Flow 2012	Week of 05-31-12	NR[2]	5.32	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 04-9-12	NR[2]	7.37	NR[2]	NR[2]	NR[2]	NR[2]	NA	NA	NA	NA	NA
	High Flow 2011	Week of 06-13-11	NR[2]	5.80	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 07-26-11	12.9	7.71	0.00	0.1	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	12.9	7.05	0.00	0.1	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	NR[1]	6.85	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	13.4	7.32	0.00	0.6	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	NR[1]	6.75	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	NR[1]	6.91	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	12.5	6.85	0.00	0.0	20.9	0.1	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	13.0	7.06	0.00	0.3	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	12.6	6.92	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	10.0	6.80	0.00	0.5	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	13.1	7.15	0.00	0.8	20.9	0.0	<0.10	<0.10	<0.10	0.55	5.6
	2nd Quarter 2008	Week of 5/12/08	11.0	5.86	0.00	0.8	20.9	0.0	<0.10	<0.10	0.15	0.52	<5.0
	1st Quarter 2008	Week of 03/10/08	9.0	5.17	0.00	2.1	20.9	0.0	<0.10	<0.10	<0.10	0.42	<5.0
	4th Quarter 2007	Week of 10/29/07	12.7	6.94	0.00	0.4	19.2	0.3	<0.10	<0.10	<0.10	<0.1	<5.0
	3rd Quarter 2007	Week of 8/20/07	13.9	7.62	0.00	16.0	19.6	0.1	<0.10	<0.10	<0.10	1.3	19.0
	2nd Quarter 2007	Week of 6/18/07	12.8	7.02	0.00	19.0	20.5	0.1	<0.10	<0.10	<0.10	1.0	7.6
	1st Quarter 2007	Week of 2/26/07	13.7	7.52	0.00	5.2	20.4	0.1	<0.10	<0.10	0.11	1.2	13.0
	4th Quarter 2006	Week of 12/04/6	14.0	7.77	0.00	1.3	19.7	0.5	<0.10	<0.10	<0.10	<0.3	<5.0
	3rd Quarter 2006	Week of 9/11/06	13.5	7.41	0.00	6.6	20.9	0.1	<0.10	<0.10	<0.10	<0.1	<5.0
	2nd Quarter 2006	Week of 6/17/06	13.2	7.23	0.00	2.9	20.9	1.0	<0.10	<0.10	<0.10	<0.3	<5.0
	1st Quarter 2006	Week of 3/06/06	15.0	8.09	0.00	179.8	18.6	0.6	0.55	2.20	0.53	23.0	1300.0
	Pre-Dewater	Week of 1/09/06	11.8	6.44	0.00	NM	17.8	0.0	<0.05	<0.05	<0.05	0.093	<5.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-5	High Flow 2012	Week of 05-31-12	6.3	3.42	0.00	0.8	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2012	Week of 04-19-12	9.4	5.09	0.50	0.6	20.8	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	10.3	5.69	0.40	2.2	20.3	0.0	<0.10	<0.10	<0.10	<0.30	12.0
	High Flow 2011	Week of 06-13-11	9.0	4.95	0.00	0.9	19.4	0.1	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	10.3	5.65	0.00	2.2	20.3	0.0	<0.10	<0.10	<0.10	0.50	6.0
	3rd Quarter 2010	Week of 7/20/10	9.3	5.11	0.20	0.8	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	10.9	5.98	0.30	4.2	19.3	0.2	<0.10	<0.10	<0.10	<0.30	12
	1st Quarter 2010	Week of 3/08/10	8.0	4.41	0.00	5.5	20.3	60.0	<0.10	<0.10	0.41	2.4	9.3
	4th Quarter 2009	Week of 10-05-09	8.3	4.57	0.00	63.4	20.9	0.1	<0.20	<0.20	8.10	50.0	140
	3rd Quarter 2009	Week of 9/10/09	8.3	4.54	0.00	284.0	20.9	0.1	<0.10	<0.10	42.00	180.0	730
	2nd Quarter 2009	Week of 4/20/09	9.0	4.96	0.50	34.1	20.9	0.0	<0.10	<0.10	2.00	7.6	18
	1st Quarter 2009	Week of 3/02/09	8.8	4.86	0.20	37.7	20.9	0.0	<0.10	<0.10	0.50	2.4	7.8
	4th Quarter 2008	Week of 11/10/08	7.8	4.54	0.30	86.6	20.9	0.0	<0.50	<0.50	12.00	45.0	190.0
	3rd Quarter 2008	Week of 7/14/08	8.7	4.76	0.40	2.3	18.7	1.4	<0.10	0.12	0.45	2.9	9.8
	2nd Quarter 2008	Week of 5/12/08	6.3	3.43	0.00	2.5	20.9	0.0	0.11	<0.10	1.60	8.8	31.0
	1st Quarter 2008	Week of 03/10/08	5.7	3.15	0.00	115.0	20.9	0.0	<0.10	<0.10	2.60	12.0	55.0
	4th Quarter 2007	Week of 10/29/07	8.7	4.78	0.00	54.1	19.3	0.3	<0.10	<0.10	9.80	46.0	180.0
	3rd Quarter 2007	Week of 8/20/07	12.7	6.97	0.00	9890.0	16.9	2.6	<0.10	<0.10	<0.10	910.0	13000.0
	2nd Quarter 2007	Week of 6/18/07	12.1	6.62	0.00	1100.0	18.6	1.9	<5.00	<5.00	<5.00	1500.0	9000.0
	1st Quarter 2007	Week of 2/26/07	10.2	5.59	0.00	1268.0	19.8	0.6	<5.00	9.80	23.00	1000.0	6100.0
	4th Quarter 2006	Week of 12/04/6	11.0	5.95	0.00	1805.0	19.3	0.9	6.10	15.00	14.00	1400.0	8900.0
	3rd Quarter 2006	Week of 9/11/06	9.7	5.32	0.00	137.0	18.6	1.4	<2.5	<2.5	79.00	380.0	1200.0
	2nd Quarter 2006	Week of 6/17/06	9.6	5.24	0.00	953.0	18.6	1.4	<10	15.00	11.00	130.0	1800.0
	1st Quarter 2006	Week of 3/06/06	14.0	7.81	0.01	1534.0	19.7	0.1	69.00	310.00	55.00	2000.0	34000.0
	Pre-Dewater	Week of 1/09/06	8.6	4.70	0.00	103.5	16.0	1.1	0.13	54.00	0.25	38.0	150.0

TA 1
2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-6	High Flow 2012	Week of 05-31-12	7.5	4.06	0.00	0.2	20.9	0.0	<0.10	<0.10	<0.10	<0.30	7.9
	Low Flow 2012	Week of 04-19-12	11.0	6.01	0.00	0.0	20.8	0.0	<0.10	<0.10	<0.10	<0.30	6.8
	Low Flow 2011	Week of 07-26-11	11.9	6.58	0.50	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	10
	High Flow 2011	Week of 06-13-11	9.7	5.36	0.00	0.9	19.8	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	11.9	6.51	0.00	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	11.0	5.82	0.20	1.0	20.5	0.0	<0.10	<0.10	<0.10	<0.30	5.0
	2nd Quarter 2010	Week of 4/19/10	12.5	6.84	0.80	2.1	20.7	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	9.6	5.27	0.00	1.3	20.9	0.0	<0.10	<0.10	<0.10	0.41	6.8
	4th Quarter 2009	Week of 10-05-09	10.0	5.49	0.00	134.0	20.9	0.3	0.89	<0.10	1.70	4.00	370
	3rd Quarter 2009	Week of 9/10/09	10.1	5.47	0.00	16.7	20.9	0.2	<0.10	<0.10	4.40	8.00	43
	2nd Quarter 2009	Week of 4/20/09	11.0	5.93	1.00	20.5	20.9	0.0	<0.10	<0.10	5.20	19.00	48
	1st Quarter 2009	Week of 3/02/09	8.9	5.86	0.50	60.1	20.6	0.1	1.70	<0.10	29.00	110.00	620
	4th Quarter 2008	Week of 11/10/08	8.3	5.40	0.00	2.6	20.9	0.0	<0.10	<0.10	0.41	0.35	9.2
	3rd Quarter 2008	Week of 7/14/08	10.4	5.67	0.20	4.5	20.9	0.0	<0.10	0.13	<0.10	3.80	26.0
	2nd Quarter 2008	Week of 5/12/08	7.9	4.33	0.00	2.3	20.9	0.0	0.17	<0.10	0.34	1.10	7.6
	1st Quarter 2008	Week of 03/10/08	7.0	4.02	0.00	16.6	20.9	0.0	<0.10	<0.10	0.49	1.30	9.8
	4th Quarter 2007	Week of 10/29/07	10.4	5.70	0.00	3.6	19.4	0.2	<0.10	<0.10	0.39	2.30	6.6
	3rd Quarter 2007	Week of 8/20/07	14.0	7.65	0.00	14.0	19.1	0.6	<0.10	<0.10	<0.10	0.44	<5.0
	2nd Quarter 2007	Week of 6/18/07	13.4	7.32	0.00	25.0	19.2	0.7	<0.10	<0.10	<0.10	<0.10	<5.0
	1st Quarter 2007	Week of 2/26/07	6.4	6.39	0.00	29.5	20.2	0.3	<0.20	<0.20	1.00	13.0	98.0
	4th Quarter 2006	Week of 12/04/6	12.0	6.61	0.00	160.0	19.4	0.6	<0.50	<0.50	2.30	37.0	320.0
	3rd Quarter 2006	Week of 9/11/06	11.3	6.17	0.00	8.1	26.0	0.6	<0.10	<0.10	0.18	1.0	17.0
	2nd Quarter 2006	Week of 6/17/06	11.3	6.18	0.00	56.9	20.6	0.5	<0.10	0.18	<0.10	3.1	100.0
	1st Quarter 2006	Week of 3/06/06	16.0	8.61	0.00	1534.0	20.0	0.3	7.60	47.00	6.50	950.0	4500.0
	Pre-Dewater	Week of 1/09/06	10.4	5.63	0.00	350.0	16.5	1.4	2.70	41.00	0.36	210.0	570.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-7	High Flow 2012	Week of 05-31-12	NM	2.73	NM	NM	NM	NM	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 07-1-12	NM	5.79	NM	NM	NM	NM	NA	NA	NA	NA	NA
	Low Flow 2011	Week of 07-26-11	10.6	6.15	0.00	0.1	19.8	0.4	<0.10	<0.10	<0.10	<0.30	5.8
	High Flow 2011	Week of 06-13-11	11.0	2.95	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	10.6	5.84	0.00	0.1	19.8	0.4	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	9.9	5.44	0.00	0.6	19.8	0.6	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	11.2	3.12	0.00	1.6	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	9.7	5.35	0.00	0.7	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2009	Week of 10-05-09	10.0	5.48	0.00	0.1	20.9	0.8	<0.10	<0.10	<0.10	<0.30	103
	3rd Quarter 2009	Week of 9/10/09	10.0	5.46	0.00	3.7	19.4	1.2	<0.10	<0.10	0.16	0.78	15
	2nd Quarter 2009	Week of 4/20/09	10.5	5.78	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	10.1	5.55	0.00	1.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	8.0	5.35	0.00	1.3	20.9	0.2	<0.10	<0.10	<0.10	<0.30	6.4
	3rd Quarter 2008	Week of 7/14/08	9.9	5.43	0.00	7.1	20.9	0.4	<0.10	0.12	<0.10	2.00	17.0
	2nd Quarter 2008	Week of 5/12/08	7.6	4.17	0.00	3.6	20.9	0.0	<0.10	<0.10	0.38	1.50	6.2
	1st Quarter 2008	Week of 03/10/08	6.7	3.63	0.00	9.1	20.9	0.0	0.13	0.10	0.44	2.60	47.0
	4th Quarter 2007	Week of 10/29/07	9.9	5.42	0.00	7.4	19.2	0.7	<0.10	<0.10	<0.10	0.85	9.4
	3rd Quarter 2007	Week of 8/20/07	11.3	6.20	0.00	38.0	19.8	0.1	<0.10	<0.10	<0.10	<0.3	<5.0
	2nd Quarter 2007	Week of 6/18/07	9.9	5.40	0.00	35.0	20.6	0.0	<0.10	<0.10	<0.10	1.00	7.0
	1st Quarter 2007	Week of 2/26/07	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Pre-Dewater	Week of 1/09/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-8	High Flow 2012	Week of 05-31-12	9.2	5.02	0.00	0.6	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2012	Week of 04-19-12	11.9	6.50	2.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	12.5	7.46	3.90	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	8.7
	High Flow 2011	Week of 06-13-11	11.3	6.26	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	12.5	6.83	3.00	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	12.0	6.45	2.50	0.9	20.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	13.7	7.49	5.10	19.8	20.5	0.0	<0.10	<0.10	<0.10	<0.30	56
	1st Quarter 2010	Week of 3/08/10	9.2	5.05	4.00	0.8	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2009	Week of 10-05-09	10.0	5.48	0.10	24.3	10.9	0.1	0.28	<0.10	4.90	25.00	110
	3rd Quarter 2009	Week of 9/10/09	9.9	5.43	0.00	0.7	20.9	0.1	0.27	<0.10	7.00	35.00	180
	2nd Quarter 2009	Week of 4/20/09	10.1	5.60	4.00	0.3	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	9.9	5.42	5.00	1.3	20.9	0.0	<0.10	<0.10	0.10	0.58	<5.0
	4th Quarter 2008	Week of 11/10/08	10.2	5.35	4.10	1.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	7.0
	3rd Quarter 2008	Week of 7/14/08	10.8	5.88	6.50	0.7	20.9	0.0	<0.10	0.12	0.11	2.00	17.0
	2nd Quarter 2008	Week of 5/12/08	8.1	4.44	0.00	0.9	20.9	0.0	<0.10	<0.10	0.48	2.00	22.0
	1st Quarter 2008	Week of 03/10/08	7.5	4.13	0.00	19.1	20.9	0.0	<0.10	<0.10	0.23	1.20	5.0
	4th Quarter 2007	Week of 10/29/07	10.6	5.81	3.00	3.7	19.7	0.1	<0.10	<0.10	0.11	0.57	<5.0
	3rd Quarter 2007	Week of 8/20/07	12.2	6.67	0.00	91.0	19.7	0.1	<0.10	<0.10	<0.10	0.78	6.2
	2nd Quarter 2007	Week of 6/18/07	11.3	6.22	0.00	59.0	20.1	0.1	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2007	Week of 2/26/07	15.6	8.57	0.05	1775.0	20.4	0.3	<5.00	9.50	130.00	1400.0	7100.0
	4th Quarter 2006	Week of 12/04/6	15.0	8.21	0.02	555.0	20.5	0.4	<5.00	7.40	50.00	710.0	4700.0
	3rd Quarter 2006	Week of 9/11/06	11.3	6.21	0.01	11.2	20.9	0.0	<0.10	<0.10	0.13	0.43	14.0
	2nd Quarter 2006	Week of 6/17/06	13.7	7.50	0.01	1641.0	20.9	0.1	<2.00	6.60	2.20	460.0	3700.0
	1st Quarter 2006	Week of 3/06/06	16.0	8.92	0.05	1534.0	20.7	0.1	8.80	220.00	13.00	1900.0	7700.0
	Pre-Dewater	Week of 1/09/06	10.3	5.61	0.00	1589.0	4.6	8.9	6.90	31.00	2.90	300.0	1800.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-9	High Flow 2012	Week of 05-31-12	4.0	2.18	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2012	Week of 04-19-12	10.6	5.75	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	9.7	5.93	0.00	0.5	20.8	0.0	<0.10	<0.10	<0.10	<0.30	8.2
	High Flow 2011	Week of 06-13-11	4.9	2.13	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	9.7	5.28	0.00	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	9.4	5.13	0.00	0.5	20.6	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	10.5	5.73	0.00	2.1	20.7	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	9.7	5.30	0.00	0.7	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2009	Week of 10-05-09	9.7	5.33	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2009	Week of 9/10/09	9.9	5.43	0.00	0.8	20.9	0.0	<0.10	<0.10	0.11	0.55	<5.0
	2nd Quarter 2009	Week of 4/20/09	10.0	5.49	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	9.7	5.35	0.00	0.6	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	10.4	5.29	0.00	3.2	20.9	0.0	<0.10	<0.10	0.21	1.00	10.0
	3rd Quarter 2008	Week of 7/14/08	9.9	5.40	0.00	0.2	20.9	0.0	<0.10	0.13	<0.10	<0.30	<5.0
	2nd Quarter 2008	Week of 5/12/08	7.4	4.03	0.00	4.4	20.9	0.0	<0.10	<0.10	0.55	2.1	8.8
	1st Quarter 2008	Week of 03/10/08	6.0	3.32	0.00	2.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2007	Week of 10/29/07	9.0	4.94	0.00	8.2	19.7	0.1	<0.10	<0.10	0.56	4.0	49.0
	3rd Quarter 2007	Week of 8/20/07	9.4	5.18	0.00	48.0	19.9	0.0	<0.10	<0.10	<0.10	2.8	65.0
	2nd Quarter 2007	Week of 6/18/07	8.6	4.73	0.00	24.0	20.6	0.1	<0.10	<0.10	<0.10	0.93	6.6
	1st Quarter 2007	Week of 2/26/07	9.2	5.07	0.00	95.1	20.6	0.2	<0.10	0.15	4.30	41.0	290.0
	4th Quarter 2006	Week of 12/04/6	10.0	5.39	0.00	9.6	20.9	0.1	<0.10	<0.10	0.16	3.5	20.0
	3rd Quarter 2006	Week of 9/11/06	10.0	5.48	0.00	18.3	20.3	0.3	<0.10	0.21	0.18	2.5	140.0
	2nd Quarter 2006	Week of 6/17/06	9.0	5.26	0.00	13.9	20.9	0.0	<0.10	<0.10	0.10	0.62	31.0
	1st Quarter 2006	Week of 3/06/06	10.0	5.21	0.00	7.7	20.6	0.1	<0.05	0.09	0.06	0.53	8.0
	Pre-Dewater	Week of 1/09/06	11.3	5.08	0.00	8.5	17.2	0.2	<0.05	0.05	0.18	0.35	31.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-10	High Flow 2012	Week of 05-31-12	NR[2]	2.82	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 04-19-12	NR[2]	5.33	NR[2]	NR[2]	NR[2]	NR[2]	NA	NA	NA	NA	NA
	Low Flow 2011	Week of 07-26-11	9.1	5.57	0.00	0.1	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	High Flow 2011	Week of 06-13-11	NR[2]	3.08	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	9.1	4.97	0.00	0.1	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	NR[1]	4.75	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	9.6	5.24	0.00	0.6	20.6	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	NR[1]	4.77	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	NR[1]	4.83	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	8.8	4.79	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	8.9	4.88	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	8.7	4.77	0.00	0.2	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	8.6	5.23	0.00	0.3	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	8.9	4.88	0.00	3.2	20.9	0.0	<0.10	<0.10	<0.10	0.75	7.6
	2nd Quarter 2008	Week of 5/12/08	6.9	3.78	0.00	2.8	20.9	0.0	<0.10	<0.10	0.27	0.82	<5.0
	1st Quarter 2008	Week of 03/10/08	5.0	2.83	0.00	2.4	20.9	0.0	<0.10	<0.10	0.16	0.82	<5.0
	4th Quarter 2007	Week of 10/29/07	8.7	4.74	0.00	0.5	19.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2007	Week of 8/20/07	9.7	5.32	0.00	42.0	19.7	0.0	<0.10	<0.10	<0.10	1.0	16.0
	2nd Quarter 2007	Week of 6/18/07	8.5	4.62	0.00	38.0	20.6	0.0	<0.10	<0.10	<0.10	1.0	11.0
	1st Quarter 2007	Week of 2/26/07	9.5	5.23	0.00	3.3	20.4	0.1	<0.10	<0.10	<0.10	0.94	6.0
	4th Quarter 2006	Week of 12/04/6	10.0	5.57	0.00	18.0	14.4	0.7	<0.10	<0.10	0.20	2.7	22.0
	3rd Quarter 2006	Week of 9/11/06	9.6	5.26	0.00	4.7	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2006	Week of 6/17/06	9.6	5.23	0.00	6.7	20.9	0.0	0.11	0.16	<0.10	0.57	14.0
	1st Quarter 2006	Week of 3/06/06	11.0	5.86	0.00	21.9	17.1	1.1	0.07	0.62	0.05	6.1	25.0
	Pre-Dewater	Week of 1/09/06	9.3	5.08	0.00	0.0	17.8	0.0	<0.05	<0.05	<0.05	0.28	<5.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-11	High Flow 2012	Week of 05-31-12	NR[2]	3.48	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 04-19-12	NR[2]	5.75	NR[2]	NR[2]	NR[2]	NR[2]	NA	NA	NA	NA	NA
	High Flow 2011	Week of 06-13-11	NR[2]	3.81	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 07-26-11	9.8	6.03	0.00	0.0	20.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	9.8	5.38	0.00	0.0	20.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	NR[1]	5.22	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	10.3	5.63	0.00	0.7	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	NR[1]	5.17	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	NR[1]	5.28	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	9.6	5.25	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	9.7	5.34	0.00	0.2	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	9.6	5.22	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	6.1	4.64	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	10.0	5.47	0.00	2.2	20.9	0.0	<0.10	<0.10	<0.10	0.74	8.0
	2nd Quarter 2008	Week of 5/12/08	7.6	4.15	0.00	1.7	20.9	0.0	<0.10	<0.10	0.20	0.64	<5.0
	1st Quarter 2008	Week of 03/10/08	6.0	3.43	0.00	0.9	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2007	Week of 10/29/07	9.5	5.18	0.00	0.6	19.4	0.0	<0.10	<0.10	<0.10	<0.3	<5.0
	3rd Quarter 2007	Week of 8/20/07	10.5	5.75	0.00	81.0	14.9	6.2	<0.10	<0.10	<0.10	1.4	39.0
	2nd Quarter 2007	Week of 6/18/07	9.5	5.17	0.00	45.0	20.6	0.0	<0.10	<0.10	<0.10	0.74	7.2
	1st Quarter 2007	Week of 2/26/07	10.4	5.69	0.00	5.9	19.0	1.0	<0.10	<0.10	0.11	1.4	11.0
	4th Quarter 2006	Week of 12/04/6	10.0	6.00	0.00	2.8	14.4	0.7	<0.10	<0.10	<0.10	<0.1	<5.0
	3rd Quarter 2006	Week of 9/11/06	10.3	5.69	0.00	2.8	19.1	1.4	<0.10	<0.10	0.24	1.5	9.0
	2nd Quarter 2006	Week of 6/17/06	10.3	5.61	0.00	2.6	18.8	1.4	<0.10	<0.10	<0.10	<0.3	<5.0
	1st Quarter 2006	Week of 3/06/06	11.0	6.31	0.00	13.2	20.0	0.4	0.06	0.32	0.053	3.3	13.0
	Pre-Dewater	Week of 1/09/06	10.2	5.55	0.00	0.0	17.5	0.3	<0.05	<0.05	<0.05	0.14	<5.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-12	High Flow 2012	Week of 05-31-12	NR[2]	5.00	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 04-19-12	NR[2]	7.45	NR[2]	NR[2]	NR[2]	NR[2]	NA	NA	NA	NA	NA
	High Flow 2011	Week of 06-13-11	NR[2]	5.24	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 07-26-11	12.9	7.67	0.00	0.2	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	12.9	7.06	0.00	0.2	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	NR[1]	6.93	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	13.4	7.32	0.00	0.7	20.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	NR[1]	6.94	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	NR[1]	7.00	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	12.7	6.97	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	12.9	7.09	0.00	0.4	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	12.7	6.97	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	12.3	5.09	0.00	0.2	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	13.1	7.18	0.00	3.6	20.9	0.0	<0.10	<0.10	<0.10	0.77	8.2
	2nd Quarter 2008	Week of 5/12/08	10.7	5.85	0.00	2.8	20.9	0.0	<0.10	<0.10	0.17	0.56	<5.0
	1st Quarter 2008	Week of 03/10/08	9.0	5.11	0.00	1.6	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2007	Week of 10/29/07	12.7	6.92	0.00	0.7	19.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2007	Week of 8/20/07	13.4	7.36	0.00	19.0	19.8	0.0	<0.10	<0.10	<0.10	1.0	14.0
	2nd Quarter 2007	Week of 6/18/07	12.5	6.82	0.00	26.0	20.6	0.1	<0.10	<0.10	<0.10	0.56	6.0
	1st Quarter 2007	Week of 2/26/07	13.5	7.40	0.00	18.1	20.4	0.2	<0.10	<0.10	1.10	11.0	61.0
	4th Quarter 2006	Week of 12/04/6	14.0	7.67	0.00	30.3	18.5	1.6	<0.20	<0.20	0.28	24.0	120.0
	3rd Quarter 2006	Week of 9/11/06	13.6	7.48	0.00	5.7	20.9	0.0	<0.10	<0.10	0.10	<0.3	<5.0
	2nd Quarter 2006	Week of 6/17/06	13.6	7.44	0.00	6.7	20.9	0.0	0.12	0.19	<0.10	0.52	17.0
	1st Quarter 2006	Week of 3/06/06	15.0	7.94	0.00	10.1	18.7	1.4	0.05	0.21	0.06	2.3	9.0
	Pre-Dewater	Week of 1/09/06	13.5	7.38	0.00	0.2	17.8	0.0	<0.05	<0.05	<0.05	0.3	<5.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
TP-13	High Flow 2012	Week of 05-31-12	NR[2]	3.78	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 04-19-12	NR[2]	6.29	NR[2]	NR[2]	NR[2]	NR[2]	NA	NA	NA	NA	NA
	High Flow 2011	Week of 06-13-11	NR[2]	3.82	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 07-26-11	10.8	6.46	0.00	0.2	20.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	10.8	5.93	0.00	0.2	20.4	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	NR[1]	5.75	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	11.3	6.17	0.00	0.5	20.6	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	NR[1]	5.83	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	NR[1]	5.85	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	10.6	5.80	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	10.9	5.98	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	10.4	5.66	0.00	0.2	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	16.9	6.83	0.00	0.2	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	10.9	5.97	0.00	3.2	20.9	0.0	<0.10	<0.10	<0.10	1.40	11.0
	2nd Quarter 2008	Week of 5/12/08	8.6	4.69	0.00	1.5	20.9	0.0	<0.10	<0.10	0.17	0.54	<5.0
	1st Quarter 2008	Week of 03/10/08	7.0	3.92	0.00	1.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2007	Week of 10/29/07	10.0	5.80	0.00	0.7	19.4	0.1	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2007	Week of 8/20/07	11.0	6.10	0.00	128.0	19.8	0.0	<0.10	<0.10	<0.10	1.3	30.0
	2nd Quarter 2007	Week of 6/18/07	10.3	5.63	0.00	97.0	20.6	0.0	<0.10	<0.10	<0.10	0.60	5.8
	1st Quarter 2007	Week of 2/26/07	11.3	6.16	0.00	4.1	20.2	0.2	<0.10	<0.10	0.20	2.9	24.0
	4th Quarter 2006	Week of 12/04/6	11.9	6.51	0.00	13.8	18.5	1.1	<0.10	<0.10	0.18	2.4	18.0
	3rd Quarter 2006	Week of 9/11/06	11.6	6.33	0.00	1.8	18.6	6.9	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2006	Week of 6/17/06	11.6	6.35	0.00	19.5	18.1	1.0	0.11	0.48	0.11	2.4	27.0
	1st Quarter 2006	Week of 3/06/06	12.0	6.78	0.00	12.6	19.1	1.0	0.05	0.17	0.09	1.6	8.6
	Pre-Dewater	Week of 1/09/06	11.4	6.24	0.00	0.1	17.8	0.0	<0.05	<0.05	<0.05	<0.05	<5.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
DW-1	High Flow 2012	Week of 05-31-12	NM	3.99	NM	NM	NM	NM	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 04-19-12	NM	6.41	NM	NM	NM	NM	NA	NA	NA	NA	NA
	High Flow 2011	Week of 06-13-11	75.1	4.54	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	101.0	6.68	0.00	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	101.0	3.17	0.00	0.5	20.3	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	95.0	5.82	0.00	0.6	20.5	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	102.0	6.24	0.00	0.9	20.6	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	92.0	5.62	0.00	0.6	20.6	15.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2009	Week of 10-05-09	96.0	5.85	0.00	0.0	20.9	0.1	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2009	Week of 9/10/09	95.0	5.82	0.00	0.0	20.9	0.2	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	99.1	6.02	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	93.0	5.69	0.00	0.8	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	162.0	5.72	0.00	0.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	96.8	5.89	0.00	0.2	20.7	0.6	<0.10	0.11	<0.10	<0.30	<5.0
	2nd Quarter 2008	Week of 5/12/08	76.7	4.66	0.00	0.9	20.9	0.0	<0.10	<0.10	0.12	0.42	<5.0
	1st Quarter 2008	Week of 03/10/08	68.0	4.11	0.00	2.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2007	Week of 10/29/07	95.0	5.80	0.00	0.7	19.3	0.2	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2007	Week of 8/20/07	110.0	6.71	0.00	27.0	18.6	1.1	<0.10	<0.10	<0.10	0.48	9.0
	2nd Quarter 2007	Week of 6/18/07	95.6	5.81	0.00	9.0	18.6	1.8	<0.10	<0.10	<0.10	0.32	<5.0
	1st Quarter 2007	Week of 2/26/07	100.5	6.11	0.00	1.0	19.8	0.5	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2006	Week of 12/04/6	92.0	5.58	0.00	1.1	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2006	Week of 9/11/06	105.0	6.39	0.00	7.8	18.8	1.3	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2006	Week of 6/17/06	150.0	6.49	0.00	5.8	16.6	4.4	<0.10	<0.10	<0.10	0.33	8.6
	1st Quarter 2006	Week of 3/06/06	130.0	7.91	0.00	25.4	9.9	8.7	<0.05	0.61	0.17	5.2	61.0
	Pre-Dewater	Week of 1/09/06	113.0	6.90	0.00	0.0	12.7	7.4	0.09	0.14	0.59	1.2	35.0

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2012 Soil Gas Monitoring Data Summary

Sample Location	Sampling Activities	Date	Purge Volume (L)	Depth to Water (ft below TOC)	Pressure (Inches of Water)	PID (ppm)	Oxygen (%)	Carbon Dioxide (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH-GRO (ug/L)
MW-49	HighFlow 2012	Week of 05-31-12	42.3	5.76	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2012	Week of 04-19-12	70.1	9.56	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	Low Flow 2011	Week of 07-26-11	67.0	9.76	0.00	0.2	19.7	0.3	<0.10	<0.10	<0.10	<0.30	5.4
	High Flow 2011	Week of 06-13-11	45.3	5.74	0.00	0.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2010	Week of 10/18/10	67.0	9.14	0.00	0.2	19.7	0.3	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2010	Week of 7/20/10	65.0	8.95	0.00	0.6	18.7	1.3	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2010	Week of 4/19/10	70.0	9.59	0.00	1.0	20.1	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2010	Week of 3/08/10	68.0	9.30	0.00	0.6	20.3	55.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2009	Week of 10-05-09	66.0	9.03	0.00	0.0	20.9	1.1	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2009	Week of 9/10/09	65.0	9.02	0.00	0.0	19.1	2.3	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2009	Week of 4/20/09	67.7	9.24	0.00	0.0	20.9	0.2	<0.10	<0.10	<0.10	<0.30	<5.0
	1st Quarter 2009	Week of 3/02/09	65.0	8.96	0.00	0.4	20.5	0.3	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2008	Week of 11/10/08	60.0	8.72	0.00	0.1	20.9	0.6	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2008	Week of 7/14/08	66.2	9.03	0.00	0.2	18.1	2.6	<0.10	0.11	<0.10	<0.30	<5.0
	2nd Quarter 2008	Week of 5/12/08	56.2	7.66	0.00	1.0	20.9	0.0	<0.10	<0.10	<0.10	<0.10	<5.0
	1st Quarter 2008	Week of 03/10/08	50.0	6.90	0.00	2.0	20.9	0.0	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2007	Week of 10/29/07	63.0	8.62	0.00	1.1	18.2	1.6	<0.10	<0.10	<0.10	<0.30	<5.0
	3rd Quarter 2007	Week of 8/20/07	68.0	9.30	0.00	22.0	15.7	5.0	<0.10	<0.10	<0.10	0.39	<5.0
	2nd Quarter 2007	Week of 6/18/07	61.6	8.41	0.00	64.0	17.4	3.0	<0.10	<0.10	<0.10	<0.30	11.0
	1st Quarter 2007	Week of 2/26/07	64.4	8.79	0.00	1.6	19.8	0.6	<0.10	<0.10	<0.10	<0.30	<5.0
	4th Quarter 2006	Week of 12/04/6	67.0	9.16	0.00	2.1	19.0	1.0	<0.10	<0.10	<0.10	0.46	<5.0
	3rd Quarter 2006	Week of 9/11/06	68.0	9.38	0.00	3.5	17.7	2.8	<0.10	<0.10	<0.10	<0.30	<5.0
	2nd Quarter 2006	Week of 6/17/06	73.0	9.98	0.00	16.1	16.8	2.7	<0.10	<0.10	<0.10	1.4	35.0
	1st Quarter 2006	Week of 3/06/06	74.0	10.07	0.00	20.3	19.2	1.0	<0.05	1.00	0.06	8.9	28.0
	Pre-Dewater	Week of 1/09/06	71.1	9.69	0.00	0.0	17.1	1.0	<0.05	<0.05	0.08	0.34	<5.0

Notes: NR = Not Required (Malcolm Pirnie, 2005)
NR[1] = Not Required (NMED, 2009)
NR[2] = Not Required (NMED, 2011)
NM = Inadvertantly not measured
NA = Inadvertantly not analyzed

TABLE 2
2012 Groundwater Monitoring Data Summary

											MCL	**WQCC 20NMAC 6.2.3103**	**MCL**	**WQCC 20NMAC 6.2.3103**	**USEPA Regional Screening Levels**	**TPH Screening Guidelines Table 2a**		**WQCC 20NMAC 6.2.3103**		**40 CFR 141.62 (MCL)**	
											0.005	**0.75**	**0.700**	**0.620**	**0.012**	**0.2**		**1.00**	**0.05**	**0.0150**	**0.002**
Sample Location	**Sampling Event**	**DATE**	**Depth to Water (ft below TOC)**	**Depth to Product (ft below TOC)**	**Total Well Depth (ft below TOC)**	**Conductivity (umhos/cm)**	**D.O. (mg/L)**	**ORP (mV)**	**pH**	**TEMP (°F)**	**Benzene (mg/L)**	**Toluene (mg/L)**	**Ethylbenzene (mg/L)**	**Xylene (mg/L)**	**MTBE (mg/L)**	**TPH-DRO (mg/L)**	**TPH-GRO (mg/L)**	**Barium (mg/L)**	**Chromium (mg/L)**	**Lead (mg/L)**	**Mercury (mg/L)**
TP-1	High Flow 2012	Week of 5/29/12	4.56	NPP	9.28	2015	2.46	-204	6.90	59.7	2.700	<0.05	2.500	5.700	<0.05	1.80	30.0	NR[2]	NR[2]	0.0260	NR[2]
	Low Flow 2012	Week of 4/9/12	5.99	NPP	9.28	1417	2.72	-313	7.39	48.6	3.500	<0.05	3.000	7.900	<0.05	2.80	35.0	NR[2]	NR[2]	0.0340	NR[2]
	Low Flow 2011	Week of 7/26/11	7.05	NPP	9.38	2696	2.83	-79	6.45	66.1	2.100	<0.02	2.800	6.600	<0.05	3.00	32	NR[2]	NR[2]	0.0520	NR[2]
	High Flow 2011	Week of 6/13/11	5.86	NPP	9.38	2209	1.66	-107	6.94	60.3	1.900	<0.02	2.400	8.400	<0.05	3.60	29	NR[2]	NR[2]	0.0680	NR[2]
	4th Quarter 2010	Week of 10/18/10	6.30	NPP	9.38	1833	1.89	-47	6.92	66.5	0.720	<0.02	2.600	13.000	<0.05	2.30	55	NR	NR	0.0320	NR
	3rd Quarter 2010	Week of 7/20/10	5.90	NPP	9.38	1811	0.81	-62	6.58	66.2	0.830	<0.05	3.200	12.000	<0.13	4.40	40	NR	NR	0.1900	NR
	2nd Quarter 2010	Week of 4/19/10	6.96	NPP	9.38	2654	0.94	-193	6.88	51.2	1.800	<0.05	2.800	14.000	<0.130	9.40	39	0.26	0.0089	0.1200	NR
	1st Quarter 2010	Week of 3/08/10	4.40	NPP	9.38	2198	1.62	231	6.80	45.1	1.500	<0.10	2.700	10.000	<0.25	6.30	34	NR	NR	0.0440	NR
	4th Quarter 2009	Week of 10-05-09	4.90	NPP	9.38	2732	1.69	137	6.79	67.4	0.620	<0.10	3.400	15.000	<0.25	11.00	44	NR	NR	0.0390	NR
	3rd Quarter 2009	Week of 9/10/09	4.90	NPP	9.38	2653	1.51	-42	6.93	7.0	0.810	<0.10	3.200	12.000	<0.25	7.80	39	NR	NR	0.0580	NR
	2nd Quarter 2009	Week of 4/20/09	5.26	NPP	9.38	2684	0.83	209	6.92	54.5	0.430	<0.10	2.500	14.000	<0.25	15.00	59	0.075	<0.006	0.0420	NR
	1st Quarter 2009	Week of 3/02/09	4.91	NPP	9.38	2920	10.35	194	6.91	46.6	0.850	<0.10	3.000	15.000	<0.25	14.00	46	NR	NR	0.0400	NR
	4th Quarter 2008	Week of 11/10/08	4.85	NPP	9.38	3050	0.56	241	6.81	61.1	1.200	<0.25	2.700	16.000	<0.63	17.00	51	NR	NR	0.0420	NR
	3rd Quarter 2008	Week of 7/14/08	5.37	NPP	9.38	4037	6.94	123	6.96	68.6	1.800	<0.05	3.300	17.000	<0.12	1.60	59	NR	NR	0.0850	NR
	2nd Quarter 2008	Week of 5/12/08	3.97	NPP	9.38	3572	1.40	262	6.83	58.6	2.500	<0.05	3.000	13.000	<0.12	2.00	54	0.044	<0.006	0.0450	NR
	1st Quarter 2008	Week of 03/10/08	3.63	NPP	9.38	3533	4.55	210	6.96	49.4	2.100	<0.05	3.400	20.000	<0.12	2.40	62	NR	NR	0.0930	NR
	4th Quarter 2007	Week of 10/29/07	5.29	NPP	9.38	4123	0.49	223	6.78	63.4	1.500	<0.001	3.800	18.000	<0.25	1.80	64	NR	NR	0.0440	NR
	3rd Quarter 2007	Week of 8/20/07	6.24	NPP	9.38	4661	4.19	237	6.93	74.4	1.200	<0.10	4.200	20.000	<0.25	3.30	80	NR	NR	0.0740	NR
	2nd Quarter 2007	Week of 6/18/07	5.67	NPP	9.38	4907	0.31	185	6.93	65.9	1.900	<0.10	4.000	19.000	<0.25	2.10	70	0.14	<0.006	0.2400	NR
	1st Quarter 2007	Week of 2/26/07	7.79	NPP	9.38	3825	0.65	134	6.82	50.3	2.000	<0.10	6.300	32.000	<0.25	3.00	160	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	7.42	NPP	9.38	3631	NM	96	6.99	57.3	1.600	<0.10	3.200	20.000	<0.25	3.30	95	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	5.68	NPP	9.38	3053	0.71	-50	7.00	72.8	3.200	<0.10	3.800	20.000	<0.25	3.50	98	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	6.80	NPP	9.38	2372	0.56	-15	6.96	67.3	2.600	<0.25	3.300	18.000	<0.62	4.30	40	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	8.04	NPP	9.38	2233	0.83	186	7.04	52.0	1.500	<0.05	4.100	30.000	<0.12	3.80	72	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.35	NPP	9.38	2034	NR	NR	6.92	70.6	1.400	0.05	3.800	23.000	<0.05	1.90	66	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
TP-2	High Flow 2012	Week of 5/29/12	6.10	NPP	9.92	1084	3.38	-155	7.00	58.5	0.059	<0.05	2.200	14.000	<0.05	0.80	40	NR[2]	NR[2]	0.0250	NR[2]
	Low Flow 2012	Week of 4/9/12	7.54	NPP	9.92	786	1.31	-302	7.60	52.0	0.086	<0.05	3.600	25.000	<0.05	1.4	59	NR[2]	NR[2]	0.0440	NR[2]
	Low Flow 2011	Week of 7/26/11	8.34	NPP	9.92	1015	4.82	-65	6.57	63.8	0.200	<0.05	3.600	23.000	<0.013	2	60	NR[2]	NR[2]	0.0240	NR[2]
	High Flow 2011	Week of 6/13/11	7.23	NPP	9.92	1062	1.10	-82	6.89	61.3	0.200	<0.05	2.800	17.000	<0.013	2.9	40	NR[2]	NR[2]	0.0260	NR[2]
	4th Quarter 2010	Week of 10/18/10	7.70	NPP	9.92	1222	1.78	-153	7.00	62.6	0.320	0.03	3.200	17.000	<0.013	2.1	45	NR	NR	0.0200	NR
	3rd Quarter 2010	Week of 7/20/10	7.29	NPP	9.92	1546	0.62	-72	6.77	63.6	0.310	0.015	3.200	11.000	<0.013	2.8	32	NR	NR	0.0290	NR
	2nd Quarter 2010	Week of 4/19/10	8.13	NPP	9.92	1952	1.17	-64	7.00	53.5	0.660	0.014	4.000	14.000	<0.013	7.7	45	0.23	<0.006	0.0320	NR
	1st Quarter 2010	Week of 3/08/10	6.56	NPP	9.92	1659	1.94	274	6.73	47.3	0.160	<0.01	1.100	2.600	<0.25	2.7	9	NR	NR	0.0200	NR
	4th Quarter 2009	Week of 10-05-09	6.60	NPP	9.92	1789	2.38	157	6.84	64.6	0.790	0.015	2.100	4.200	<0.025	5.00	16	NR	NR	0.0190	NR
	3rd Quarter 2009	Week of 9/10/09	6.52	NPP	9.92	1926	0.75	109	6.97	66.5	0.650	0.017	1.500	3.600	<0.025	4.30	13	NR	NR	0.0200	NR
	2nd Quarter 2009	Week of 4/20/09	6.89	NPP	9.92	2175	0.73	215	6.90	57.4	0.690	<0.01	1.800	2.100	<0.025	6.70	14	0.22	<0.006	0.0110	NR
	1st Quarter 2009	Week of 3/02/09	6.46	NPP	9.92	2358	1.80	207	7.00	49.8	0.390	<0.0005	0.500	0.580	<0.013	6.00	4	NR	NR	0.0190	NR
	4th Quarter 2008	Week of 11/10/08	6.72	NPP	9.92	2619	3.58	174	6.89	59.9	0.310	<0.01	0.730	0.930	<0.025	7.50	6	NR	NR	0.0120	NR
	3rd Quarter 2008	Week of 7/14/08	7.06	NPP	9.92	3363	3.48	162	6.98	66.4	0.800	<0.02	3.000	3.400	<0.05	1.40	19	NR	NR	0.0350	NR
	2nd Quarter 2008	Week of 5/12/08	5.52	NPP	9.92	2664	0.44	118	6.85	56.7	1.100	<0.02	2.200	4.000	<0.05	1.30	19	0.13	<0.006	0.0200	NR
	1st Quarter 2008	Week of 03/10/08	5.30	NPP	9.92	2748	1.89	171	7.00	51.3	1.200	<0.02	2.300	4.200	<0.05	1.70	18	NR	NR	0.0190	NR
	4th Quarter 2007	Week of 10/29/07	6.86	NPP	9.92	3507	0.85	217	6.96	62.4	1.500	<0.10	2.400	3.700	<0.25	1.40	22	NR	NR	0.0071	NR
	3rd Quarter 2007	Week of 8/20/07	7.73	NPP	9.92	3771	1.78	217	6.97	71.0	0.640	<0.10	2.000	4.800	<0.25	1.00	28	NR	NR	0.0190	NR
	2nd Quarter 2007	Week of 6/18/07	7.50	NPP	9.92	2576	0.70	191	6.87	67.5	1.400	0.32	3.800	15.000	<0.25	*<1.00	47	0.29	<0.006	0.0670	NR
	1st Quarter 2007	Week of 2/26/07	8.86	NPP	9.92	3783	1.45	171	6.82	51.4	4.300	<0.10	4.300	19.000	<0.25	2.10	94	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	9.03	NPP	9.92	3548	2.14	177	6.92	53.5	1.700	<0.10	2.400	12.000	<0.25	1.50	41	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	7.37	NPP	9.92	2531	0.65	-13	7.03	67.4	3.300	0.27	2.800	15.000	<0.25	1.30	77	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	8.27	NPP	9.92	3586	0.94	-216	6.93	62.8	3.600	2.40	2.800	14.000	<0.12	4.90	42	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	9.83	NPP	9.92	1802	9.48	184	7.08	53.2	6.200	1.70	0.510	5.000	<0.12	9.90	27	NR	NR	NR	NR
	Baseline	Week of 8/15/05	6.84	NPP	9.92	2225	NR	NR	6.85	65.2	6.100	8.70	4.200	25.000	<0.05	1.10	84	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
TP-3	High Flow 2012	Week of 5/29/12	5.32	NPP	12.35	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	7.37	NPP	12.35	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 7/25/11	7.71	NPP	12.35	434	3.76	256	6.30	66.2	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.005	NR[2]
	High Flow 2011	Week of 6/13/11	5.80	NPP	12.35	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	7.05	NPP	12.35	479	2.03	309	6.98	64.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[1]	NR[1]	<0.005	NR[1]
	3rd Quarter 2010	Week of 7/20/10	6.85	NPP	12.35	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	7.32	NPP	12.35	524	0.93	286	6.99	52.5	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.15	<0.006	<0.005	NR[1]
	1st Quarter 2010	Week of 3/08/10	6.75	NPP	12.35	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	6.91	NPP	12.35	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	6.85	NPP	12.35	802	5.38	271	6.85	67.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0250	NR
	2nd Quarter 2009	Week of 4/20/09	7.06	NPP	12.35	752	3.20	231	6.91	55.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.1	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	6.46	NPP	12.35	812	3.04	278	7.07	49.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	6.80	NPP	12.35	1096	1.75	216	6.90	60.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2008	Week of 7/14/08	7.15	NPP	12.35	867	1.56	240	6.99	64.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0050	NR
	2nd Quarter 2008	Week of 5/12/08	5.86	NPP	12.35	775	3.95	122	6.86	55.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.089	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	5.17	NPP	12.35	602	2.87	223	6.89	48.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2007	Week of 10/29/07	6.94	NPP	12.35	806	3.40	254	6.87	62.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	7.62	NPP	12.35	815	2.67	246	6.97	66.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0100	NR
	2nd Quarter 2007	Week of 6/18/07	7.02	NPP	12.35	560	3.12	211	6.85	60.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.2	0.008	0.0073	NR
	1st Quarter 2007	Week of 2/26/07	7.52	NPP	12.35	839	1.65	248	6.89	47.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	7.77	NPP	12.35	673	1.32	242	7.06	54.8	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	7.41	NPP	12.35	779	0.33	233	6.99	68.0	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	7.23	NPP	12.35	856	0.98	179	6.99	62.1	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	8.09	NPP	12.35	1050	0.21	256	6.94	47.9	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	Baseline	Week of 8/15/05	6.61	NPP	12.35	1295	NR	NR	6.85	68.4	<0.005	<0.005	<0.005	0.001	<0.0025	*<1.00	<0.05	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
TP-5	High Flow 2012	Week of 5/29/12	3.42	NPP	8.84	470	1.48	-33	6.30	61.1	<0.005	<0.005	0.017	0.450	<0.005	1.10	4.20	NR[2]	NR[2]	0.0260	NR[2]
	Low Flow 2012	Week of 4/9/12	5.09	NPP	8.84	363	0.93	-266	6.80	50.9	<0.005	<0.005	0.020	0.410	<0.005	0.60	1.80	NR[2]	NR[2]	0.3600	NR[2]
	Low Flow 2011	Week of 7/26/11	5.69	NPP	8.84	932	1.78	192	6.70	68.5	<0.010	<0.01	0.051	1.200	<0.025	0.24	4.9	NR[2]	NR[2]	0.0550	NR[2]
	High Flow 2011	Week of 6/13/11	4.95	NPP	8.84	561	0.72	273	6.95	62.2	<0.010	<0.01	0.350	4.200	<0.025	3.20	20	NR[2]	NR[2]	0.0580	NR[2]
	4th Quarter 2010	Week of 10/18/10	5.65	NPP	8.84	632	2.06	71	7.01	68.2	<0.005	<0.01	0.830	8.000	<0.025	3.10	30	NR	NR	0.0230	NR
	3rd Quarter 2010	Week of 7/20/10	5.11	NPP	8.84	707	1.11	84	6.79	65.8	<0.005	<0.01	0.310	8.300	<0.025	3.10	26	NR	NR	0.0830	NR
	2nd Quarter 2010	Week of 4/19/10	5.98	NPP	8.84	590	0.58	121	7.02	54.1	<0.005	<0.010	1.600	13.000	<0.025	9.00	38	0.89	0.041	0.1300	NR
	1st Quarter 2010	Week of 3/08/10	4.41	NPP	8.84	807	0.67	253	7.05	48.5	<0.005	0.0078	0.150	1.100	<0.013	9.10	31	NR	NR	0.0430	NR
	4th Quarter 2009	Week of 10-05-09	4.57	NPP	8.84	759	4.57	212	6.76	67.4	<0.005	<0.01	1.900	15.000	<0.025	7.10	40	NR	NR	0.0250	NR
	3rd Quarter 2009	Week of 9/10/09	4.54	NPP	8.84	794	1.12	152	7.04	72.6	<0.005	<0.01	1.300	13.000	<0.025	8.00	33	NR	NR	0.0330	NR
	2nd Quarter 2009	Week of 4/20/09	4.96	NPP	8.84	1128	0.69	106	6.69	55.2	0.025	0.011	2.400	15.000	<0.025	11.00	49	0.47	<0.006	0.0260	NR
	1st Quarter 2009	Week of 3/02/09	4.86	NPP	8.84	1092	3.33	176	7.07	49.2	0.019	<0.01	1.800	14.000	<0.025	12.00	37	NR	NR	0.0260	NR
	4th Quarter 2008	Week of 11/10/08	4.54	NPP	8.84	981	1.23	129	6.83	61.8	0.016	0.01	2.400	12.000	<0.025	8.50	38	NR	NR	0.0290	NR
	3rd Quarter 2008	Week of 7/14/08	4.76	NPP	8.84	852	1.49	159	6.95	69.8	<0.02	<0.02	1.900	18.000	<0.05	1.10	50	NR	NR	0.0430	NR
	2nd Quarter 2008	Week of 5/12/08	3.43	NPP	8.84	702	1.32	54	6.87	56.8	0.048	<0.02	1.100	13.000	<0.05	*<1.00	46	0.31	<0.006	0.0390	NR
	1st Quarter 2008	Week of 03/10/08	3.15	NPP	8.84	656	2.34	216	6.82	47.4	<0.020	<0.020	1.600	17.000	<0.050	*<1.00	52	NR	NR	0.0510	NR
	4th Quarter 2007	Week of 10/29/07	4.78	NPP	8.84	857	0.23	229	7.04	66.5	<0.001	<0.001	2.600	17.000	<0.0025	1.20	56	NR	NR	0.0320	NR
	3rd Quarter 2007	Week of 8/20/07	6.97	NPP	8.84	911	0.17	129	6.88	69.8	0.300	<0.10	3.000	22.000	<0.25	*<1.00	69	NR	NR	0.0440	NR
	2nd Quarter 2007	Week of 6/18/07	6.62	NPP	8.84	884	0.80	148	6.87	63.9	0.340	<0.10	3.500	21.000	<0.25	*<1.00	78	0.21	<0.006	0.0920	NR
	1st Quarter 2007	Week of 2/26/07	5.59	NPP	8.84	1027	0.79	219	6.87	49.6	<0.01	<0.01	1.300	18.000	<0.025	*<1.00	85	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	5.95	NPP	8.84	1377	1.36	229	6.99	56.0	0.069	<0.050	1.200	10.000	<0.120	*<1.00	50	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	5.32	NPP	8.84	879	0.29	149	7.09	71.0	<0.01	<0.01	3.100	16.000	<0.025	*<1.00	110	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	5.24	NPP	8.84	989	0.05	39	6.94	65.3	0.054	<0.001	1.600	16.000	<0.025	*<1.00	34	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	7.81	NPP	8.84	747	0.52	-51	7.03	54.1	0.200	<0.02	0.280	20.000	<0.05	*<1.00	59	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.91	NPP	8.84	923	NR	NR	6.90	68.7	0.350	<0.005	3.500	21.000	<0.05	1.20	56	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

										MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
										0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
TP-6	High Flow 2012	Week of 5/29/12	4.06	NPP	9.94	450	1.67	-6	7.10	61.9	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	0.360	NR[2]	NR[2]	0.0240	NR[2]
	Low Flow 2012	Week of 4/9/12	6.01	NPP	9.94	612	6.00	-64	7.53	51.0	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	<0.050	NR[2]	NR[2]	0.0230	NR[2]
	Low Flow 2011	Week of 7/26/11	6.58	NPP	9.94	706	3.90	182	6.70	68.1	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 6/13/11	5.36	NPP	9.94	699	1.08	153	6.89	62.0	<0.001	<0.001	0.002	0.002	<0.0025	<0.20	0.2	NR[2]	NR[2]	0.0520	NR[2]
	4th Quarter 2010	Week of 10/18/10	6.50	NPP	9.94	870	2.29	-499	6.96	66.3	<0.001	<0.001	0.009	0.004	<0.0025	<0.20	0.056	NR	NR	0.0074	NR
	3rd Quarter 2010	Week of 7/20/10	5.82	NPP	9.94	934	1.09	150	6.63	67.3	<0.001	<0.001	0.002	0.009	<0.0025	<0.20	<0.05	NR	NR	0.0260	NR
	2nd Quarter 2010	Week of 4/19/10	6.84	NPP	9.94	1712	6.80	-515	6.91	51.1	<0.001	<0.001	0.002	0.008	<0.0025	0.31	<0.05	0.28	<0.006	0.0190	NR
	1st Quarter 2010	Week of 3/08/10	5.27	NPP	9.94	1262	6.57	214	6.84	46.5	<0.001	<0.001	0.018	0.090	<0.0025	0.45	0.27	NR	NR	0.0310	NR
	4th Quarter 2009	Week of 10-05-09	5.49	NPP	9.94	919	1.33	278	6.69	66.0	0.022	<0.02	1.200	3.200	<0.05	3.6	9.8	NR	NR	0.0230	NR
	3rd Quarter 2009	Week of 9/10/09	5.47	NPP	9.94	934	1.71	-5	6.99	69.5	0.032	<0.02	1.200	3.800	<0.05	3.00	12	NR	NR	0.0280	NR
	2nd Quarter 2009	Week of 4/20/09	5.93	NPP	9.94	1025	5.99	141	6.99	54.2	0.025	<0.02	0.850	3.400	<0.05	2.90	11	0.34	<0.006	0.0360	NR
	1st Quarter 2009	Week of 3/02/09	5.68	NPP	9.94	1126	1.63	169	7.02	48.7	0.025	<0.02	1.100	4.500	<0.05	2.50	12	NR	NR	0.0190	NR
	4th Quarter 2008	Week of 11/10/08	5.40	NPP	9.94	1293	0.58	199	7.07	61.0	0.029	<0.005	0.430	1.200	<0.013	3.10	3.40	NR	NR	0.0180	NR
	3rd Quarter 2008	Week of 7/14/08	5.67	NPP	9.94	726	0.53	70	7.00	66.3	<0.005	<0.005	0.800	2.700	<0.012	*<1.00	8.60	NR	NR	0.0510	NR
	2nd Quarter 2008	Week of 5/12/08	4.33	NPP	9.94	997	0.77	181	6.87	58.0	0.020	<0.001	0.180	0.068	<0.0025	*<1.00	1.20	0.15	<0.006	0.0220	NR
	1st Quarter 2008	Week of 03/10/08	4.02	NPP	9.94	1093	1.62	176	6.93	49.9	0.024	<0.001	0.260	0.300	0.0029	*<1.00	1.90	NR	NR	0.0280	NR
	4th Quarter 2007	Week of 10/29/07	5.70	NPP	9.94	1502	0.53	177	6.93	63.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.07	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	7.65	NPP	9.94	1317	0.38	145	6.89	69.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.19	NR	NR	0.0093	NR
	2nd Quarter 2007	Week of 6/18/07	7.32	NPP	9.94	1361	1.19	220	6.89	62.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.11	0.38	<0.006	0.0270	NR
	1st Quarter 2007	Week of 2/26/07	6.39	NPP	9.94	1857	0.72	253	6.83	47.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.28	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	6.61	NPP	9.94	1826	1.03	226	6.95	54.8	0.006	<0.001	<0.001	<0.003	<0.0025	*<1.00	0.48	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	6.17	NPP	9.94	2698	0.76	45	7.02	69.4	0.027	<0.01	0.410	0.045	<0.025	*<1.00	5.30	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	6.18	NPP	9.94	1216	0.38	94	6.98	66.5	<0.001	<0.001	4.400	0.350	<0.025	*<1.00	1.90	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	8.61	NPP	9.94	602	0.63	153	7.35	52.3	<0.001	<0.001	0.180	0.750	<0.025	*<1.00	2.70	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.78	NPP	9.94	1128	NR	NR	6.94	68.2	0.280	<0.01	2.800	7.500	<0.05	1.00	26	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
TP-7	High Flow 2012	Week of 5/29/12	2.73	NPP	9.72	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	5.79	NPP	9.72	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 7/26/11	6.15	NPP	9.72	1081	1.82	219	6.80	69.2	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	0.0061	NR[2]
	High Flow 2011	Week of 6/13/11	2.95	NPP	9.72	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	5.84	NPP	9.72	828	2.23	275	7.09	66.0	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	0.0073	NR
	3rd Quarter 2010	Week of 7/20/10	5.44	NPP	9.72	714	1.13	108	6.65	70.0	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2010	Week of 4/19/10	6.12	NPP	9.72	972	0.98	309	6.89	52.2	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.5	0.01	0.0078	NR
	1st Quarter 2010	Week of 3/08/10	5.35	NPP	9.72	944	1.11	312	6.84	45.6	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	NR
	4th Quarter 2009	Week of 10-05-09	5.48	NPP	9.72	753	0.90	247	6.93	65.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0085	NR
	3rd Quarter 2009	Week of 9/10/09	5.46	NPP	9.72	749	1.01	236	7.04	71.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2009	Week of 4/20/09	5.78	NPP	9.72	875	0.92	250	6.96	52.1	<0.001	<0.001	0.001	0.008	<0.0025	*<1.00	<0.05	0.065	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	5.55	NPP	9.72	896	2.84	251	7.05	47.3	<0.001	<0.001	0.002	0.021	<0.0025	*<1.00	0.063	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	5.35	NPP	9.72	751	1.64	221	7.04	58.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2008	Week of 7/14/08	5.43	NPP	9.72	778	0.74	229	6.93	68.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2008	Week of 5/12/08	4.17	NPP	9.72	1850	1.29	179	6.89	55.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.032	<0.006	0.0067	NR
	1st Quarter 2008	Week of 03/10/08	3.63	NPP	9.72	2022	4.67	244	6.97	45.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2007	Week of 10/29/07	5.42	NPP	9.72	1066	1.10	253	6.89	59.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	6.20	NPP	9.72	2267	1.01	245	7.09	67.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0059	NR
	2nd Quarter 2007	Week of 6/18/07	5.40	NPP	9.72	2795	0.39	222	6.83	59.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.075	<0.006	<0.005	NR
	1st Quarter 2007	Week of 2/26/07	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.72	NPP	9.72	1740	NR	NR	6.89	67.8	<0.0005	<0.0005	0.001	0.005	<0.0025	*<1.00	<0.05	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
											MCL	**WQCC 20NMAC 6.2.3103**	**MCL**	**WQCC 20NMAC 6.2.3103**	**USEPA Regional Screening Levels**	**TPH Screening Guidelines Table 2a**		**WQCC 20NMAC 6.2.3103**		**40 CFR 141.62 (MCL)**	
											0.005	**0.75**	**0.700**	**0.620**	**0.012**	**0.2**		**1.00**	**0.05**	**0.0150**	**0.002**
TP-8	High Flow 2012	Week of 5/29/12	5.02	NPP	9.72	789	1.92	79	7.00	60.9	<0.005	<0.005	0.019	0.110	<0.005	1.30	3.00	NR[2]	NR[2]	0.0550	NR[2]
	Low Flow 2012	Week of 4/9/12	6.50	NPP	9.72	883	1.65	-209	7.55	50.2	<0.005	<0.005	0.022	0.069	<0.005	0.83	0.41	NR[2]	NR[2]	0.0190	NR[2]
	Low Flow 2011	Week of 7/26/11	7.46	NPP	9.72	825	2.09	119	6.70	67.2	<0.005	<0.005	0.029	0.130	<0.013	0.62	2.1	NR[2]	NR[2]	0.0054	NR[2]
	High Flow 2011	Week of 6/13/11	6.26	NPP	9.72	886	0.88	204	6.68	59.9	<0.005	<0.005	0.026	0.140	<0.013	1.0	1.9	NR[2]	NR[2]	0.0600	NR[2]
	4th Quarter 2010	Week of 10/18/10	6.83	NPP	9.72	1111	2.10	137	6.89	66.9	<0.005	<0.005	0.100	0.420	<0.013	1.0	2.2	NR	NR	0.0065	NR
	3rd Quarter 2010	Week of 7/20/10	6.45	NPP	9.72	1308	1.04	50	6.59	68.3	<0.005	<0.005	0.130	0.350	<0.013	2.9	2.3	NR	NR	0.0390	NR
	2nd Quarter 2010	Week of 4/19/10	7.49	NPP	9.72	1507	1.21	122	6.87	58.2	<0.005	<0.005	0.150	0.780	<0.013	4.2	3.5	0.42	0.011	0.0650	NR
	1st Quarter 2010	Week of 3/08/10	5.05	NPP	9.72	1779	1.54	303	6.79	45.3	<0.005	<0.005	0.073	0.780	<0.013	3.1	3.00	NR	NR	0.0380	NR
	4th Quarter 2009	Week of 10-05-09	5.48	NPP	9.72	1250	1.23	226	6.77	66.7	0.008	<0.005	0.240	2.100	<0.013	4.9	6.2	NR	NR	0.0330	NR
	3rd Quarter 2009	Week of 9/10/09	5.43	NPP	9.72	1187	1.65	163	6.98	71.2	0.006	<0.005	0.220	2.000	<0.013	4.70	5.70	NR	NR	0.0400	NR
	2nd Quarter 2009	Week of 4/20/09	5.60	NPP	9.72	1581	1.09	253	6.89	52.3	0.014	<0.01	0.350	3.600	<0.025	6.80	18.00	0.38	<0.006	0.0300	NR
	1st Quarter 2009	Week of 3/02/09	5.42	NPP	9.72	1685	4.43	229	6.78	47.9	0.009	<0.005	0.290	2.800	<0.013	5.6	9.1	NR	NR	0.0330	NR
	4th Quarter 2008	Week of 11/10/08	5.29	NPP	9.72	1810	4.70	230	6.96	60.4	<0.005	<0.005	0.270	0.920	<0.013	8.60	9.60	NR	NR	0.0170	NR
	3rd Quarter 2008	Week of 7/14/08	5.88	NPP	9.72	1627	0.49	264	6.86	68.9	<0.01	<0.01	0.340	2.400	<0.025	1.30	14	NR	NR	0.0660	NR
	2nd Quarter 2008	Week of 5/12/08	4.44	NPP	9.72	1863	1.39	175	6.91	56.6	<0.01	<0.01	0.390	2.400	<0.025	1.10	19	0.07	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	4.13	NPP	9.72	1877	1.69	214	6.90	49.0	<0.01	<0.01	0.370	1.800	<0.025	1.40	15	NR	NR	0.0430	NR
	4th Quarter 2007	Week of 10/29/07	5.81	NPP	9.72	2555	0.77	185	6.88	64.1	<0.01	<0.01	0.380	1.500	<0.025	1.60	14	NR	NR	0.3000	NR
	3rd Quarter 2007	Week of 8/20/07	6.67	NPP	9.72	3084	0.36	245	6.89	74.4	<0.01	<0.01	0.480	3.700	<0.025	1.70	31	NR	NR	0.0270	NR
	2nd Quarter 2007	Week of 6/18/07	6.22	NPP	9.72	2704	1.21	160	6.92	66..3	<0.01	<0.01	0.290	8.600	<0.025	1.20	35	0.44	<0.006	0.0540	NR
	1st Quarter 2007	Week of 2/26/07	8.57	NPP	9.72	2964	2.45	208	6.95	50.5	<0.01	<0.01	1.300	13.000	<0.025	2.10	70	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	8.21	NPP	9.72	1855	1.56	187	7.04	57.3	0.041	<0.010	1.300	12.000	<0.025	1.40	79	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	6.21	NPP	9.72	2977	0.43	107	7.03	74.6	<0.01	<0.010	0.580	1.600	<0.025	5.60	57	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	7.50	NPP	9.72	2032	0.48	143	7.01	67.6	0.260	<0.100	0.640	6.300	<0.025	6.80	19	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	8.92	NPP	9.72	1613	0.61	228	7.03	52.6	0.350	<0.10	1.100	10.000	<0.025	18.00	37	NR	NR	NR	NR
	Baseline	Week of 8/15/05	6.61	NPP	9.72	1934	NR	NR	6.94	72.4	1.100	<0.05	3.200	25.000	<0.25	7.80	84	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
TP-9	High Flow 2012	Week of 5/29/12	2.18	NPP	10.97	1113	1.82	148	6.90	58.3	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	<0.050	NR[2]	NR[2]	<0.0025	NR[2]
	Low Flow 2012	Week of 4/9/12	5.75	NPP	10.97	1290	2.08	-125	7.18	47.8	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	<0.05	NR	NR	<0.0050	NR
	Low Flow 2011	Week of 7/26/11	5.93	NPP	10.97	1690	2.38	237	6.70	66.5	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	<0.050	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 6/13/11	2.13	NPP	10.97	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	5.28	NPP	10.97	1993	2.48	127	6.94	64.8	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	NR	NR
	3rd Quarter 2010	Week of 7/20/10	5.13	NPP	10.97	2080	1.53	194	6.76	66.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	0.0098	NR
	2nd Quarter 2010	Week of 4/19/10	5.73	NPP	10.97	2288	0.85	264	6.96	50.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.18	<0.006	<0.005	NR
	1st Quarter 2010	Week of 3/08/10	5.30	NPP	10.97	2389	1.05	324	6.76	44.4	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	NR
	4th Quarter 2009	Week of 10-05-09	5.33	NPP	10.97	2006	1.67	273	6.81	61.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0150	NR
	3rd Quarter 2009	Week of 9/10/09	5.43	NPP	10.97	2034	2.38	287	7.00	67.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0090	NR
	2nd Quarter 2009	Week of 4/20/09	5.49	NPP	10.97	2406	0.93	275	6.94	53.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.081	<0.006	0.0089	NR
	1st Quarter 2009	Week of 3/02/09	5.34	NPP	10.97	2557	1.45	219	6.93	48.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	5.23	NPP	10.97	2074	3.72	119	6.87	57.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0080	NR
	3rd Quarter 2008	Week of 7/14/08	5.40	NPP	10.97	1712	0.78	216	6.95	61.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0070	NR
	2nd Quarter 2008	Week of 5/12/08	4.03	NPP	10.97	1471	1.98	147	6.87	51.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.11	<0.006	0.0130	NR
	1st Quarter 2008	Week of 03/10/08	3.32	NPP	10.97	1559	1.66	245	6.89	45.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0087	NR
	4th Quarter 2007	Week of 10/29/07	4.94	NPP	10.97	875	0.41	218	6.98	61.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	5.18	NPP	10.97	1342	1.15	136	7.11	67.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0130	NR
	2nd Quarter 2007	Week of 6/18/07	4.73	NPP	10.97	2035	0.31	224	6.90	58.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.91	0.018	0.0200	NR
	1st Quarter 2007	Week of 2/26/07	5.07	NPP	10.97	2379	0.85	173	6.85	46.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	5.39	NPP	10.97	2149	1.37	254	7.06	51.9	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	5.48	NPP	10.97	1809	1.09	219	7.04	64.8	<0.001	<0.001	0.001	<0.003	<0.0025	*<1.00	0.72	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	5.26	NPP	10.97	1883	0.39	169	7.02	60.6	<0.001	<0.001	0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	5.21	NPP	10.97	1944	0.75	214	7.02	47.8	<0.001	<0.001	<0.003	<0.003	<0.0025	*<1.00	0.09	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.12	NPP	10.97	1968	NR	NR	6.92	62.8	<0.005	<0.001	<0.003	0.020	0.027	*<1.00	1.10	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
TP-10	High Flow 2012	Week of 5/29/12	2.82	NPP	9.95	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	5.33	NPP	9.95	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 7/26/11	5.57	NPP	9.95	406	2.24	257	6.60	66.1	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 6/13/11	3.08	NPP	9.95	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	4.97	NPP	9.95	352	2.03	282	6.96	56.2	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[1]	NR[1]	<0.005	NR[1]
	3rd Quarter 2010	Week of 7/20/10	4.75	NPP	9.95	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	5.24	NPP	9.95	461	0.92	259	6.95	48.6	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.24	0.012	<0.005	NR[1]
	1st Quarter 2010	Week of 3/08/10	4.77	NPP	9.95	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	4.83	NPP	9.95	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	4.79	NPP	9.95	322	1.05	259	6.92	63.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0070	NR
	2nd Quarter 2009	Week of 4/20/09	4.88	NPP	9.95	357	1.26	207	6.95	51.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.11	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	4.77	NPP	9.95	342	1.45	269	7.06	43.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	4.64	NPP	9.95	343	1.48	198	7.06	50.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0060	NR
	3rd Quarter 2008	Week of 7/14/08	4.88	NPP	9.95	405	1.13	212	7.11	66.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2008	Week of 5/12/08	3.78	NPP	9.95	479	0.77	107	6.88	53.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.11	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	2.83	NPP	9.95	279	2.52	213	6.94	43.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2007	Week of 10/29/07	4.74	NPP	9.95	307	2.28	253	6.90	51.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	5.32	NPP	9.95	368	1.16	230	6.98	61.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0056	NR
	2nd Quarter 2007	Week of 6/18/07	4.62	NPP	9.95	268	7.32	213	6.86	57.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.41	0.024	0.0089	NR
	1st Quarter 2007	Week of 2/26/07	5.23	NPP	9.95	426	3.87	233	6.85	41.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	5.57	NPP	9.95	387	1.44	269	7.00	44.9	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	5.26	NPP	9.95	395	0.45	247	6.97	62.6	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	5.23	NPP	9.95	325	1.52	168	7.01	59.8	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	5.86	NPP	9.95	355	1.72	224	6.99	42.8	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.10	NPP	9.95	377	NR	NR	6.94	71.2	<0.0005	<0.0005	<0.0005	0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
TP-11	High Flow 2012	Week of 5/29/12	3.48	NPP	9.98	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	5.75	NPP	9.98	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 7/26/11	6.03	NPP	9.98	476	2.24	264	6.70	65.0	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 6/13/11	3.81	NPP	9.98	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	5.38	NPP	9.98	472	1.77	299	6.95	61.9	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[1]	NR[1]	<0.005	NR[1]
	3rd Quarter 2010	Week of 7/20/10	5.22	NPP	9.98	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	5.63	NPP	9.98	442	0.82	283	6.97	50.5	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.1	<0.006	<0.005	NR[1]
	1st Quarter 2010	Week of 3/08/10	5.17	NPP	9.98	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	5.28	NPP	9.98	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	5.25	NPP	9.98	531	0.81	255	6.87	66.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0070	NR
	2nd Quarter 2009	Week of 4/20/09	5.34	NPP	9.98	522	0.89	212	6.94	52.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.088	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	5.22	NPP	9.98	539	1.63	252	7.05	47.4	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	5.09	NPP	9.98	745	0.89	203	6.95	58.4	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0060	NR
	3rd Quarter 2008	Week of 7/14/08	5.47	NPP	9.98	850	0.50	229	7.03	64.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0080	NR
	2nd Quarter 2008	Week of 5/12/08	4.15	NPP	9.98	640	0.78	148	6.87	52.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.068	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	3.43	NPP	9.98	611	3.21	239	6.94	42.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2007	Week of 10/29/07	5.18	NPP	9.98	541	0.59	242	6.93	56.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0063	NR
	3rd Quarter 2007	Week of 8/20/07	5.75	NPP	9.98	596	1.49	226	7.02	69.4	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0100	NR
	2nd Quarter 2007	Week of 6/18/07	5.17	NPP	9.98	378	1.69	217	6.84	62.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.33	0.013	0.0150	NR
	1st Quarter 2007	Week of 2/26/07	5.69	NPP	9.98	540	1.45	262	6.87	44.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	6.00	NPP	9.98	738	0.97	257	7.07	52.8	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	5.69	NPP	9.98	632	0.36	269	7.06	67.7	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	5.61	NPP	9.98	551	1.11	177	6.98	62.6	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	6.31	NPP	9.98	851	0.24	243	6.92	45.4	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	Baseline	Week of 8/15/05	5.67	NPP	9.98	794	NR	NR	6.93	68.2	<0.0005	<0.0005	<0.0005	0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
TP-12	High Flow 2012	Week of 5/29/12	5.00	NPP	11.79	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	7.45	NPP	11.79	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 7/26/11	7.67	NPP	11.79	903	2.13	268	6.70	58.6	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 6/13/11	5.24	NPP	11.79	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	7.06	NPP	11.79	1121	1.96	306	6.88	56.2	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[1]	NR[1]	0.0095	NR[1]
	3rd Quarter 2010	Week of 7/20/10	6.93	NPP	11.79	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	7.32	NPP	11.79	760	0.91	290	6.94	49.9	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.092	<0.006	<0.005	NR[1]
	1st Quarter 2010	Week of 3/08/10	6.94	NPP	11.79	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	7.00	NPP	11.79	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	6.97	NPP	11.79	1491	4.27	282	6.85	60.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2009	Week of 4/20/09	7.09	NPP	11.79	723	0.91	237	6.91	52.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.047	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	6.97	NPP	11.79	752	1.90	248	7.04	46.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0057	NR
	4th Quarter 2008	Week of 11/10/08	6.83	NPP	11.79	1059	1.10	279	6.87	53.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2008	Week of 7/14/08	7.18	NPP	11.79	526	0.46	250	6.97	58.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0050	NR
	2nd Quarter 2008	Week of 5/12/08	5.85	NPP	11.79	771	0.77	142	6.85	53.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.043	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	5.11	NPP	11.79	1197	1.75	264	6.86	47.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0060	NR
	4th Quarter 2007	Week of 10/29/07	6.92	NPP	11.79	1745	0.56	271	6.85	54.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0100	NR
	3rd Quarter 2007	Week of 8/20/07	6.36	NPP	11.79	2189	1.60	238	6.97	57.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	**0.0210**	NR
	2nd Quarter 2007	Week of 6/18/07	6.82	NPP	11.79	1750	2.04	242	6.81	56.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.21	0.010	**0.0160**	NR
	1st Quarter 2007	Week of 2/26/07	7.40	NPP	11.79	952	1.73	205	6.92	48.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	7.67	NPP	11.79	855	3.11	252	6.99	52.8	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	7.48	NPP	11.79	1875	0.91	237	6.98	60.0	<0.001	<0.001	<0.001	<0.003	0.0081	*<1.00	<0.05	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	7.44	NPP	11.79	1171	0.26	157	7.00	55.9	<0.001	<0.001	<0.001	<0.003	0.0049	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	7.94	NPP	11.79	1234	0.19	242	6.91	48.0	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	Baseline	Week of 8/15/05	7.43	NPP	11.79	2143	NR	NR	6.88	64.1	<0.0005	<0.0005	0.001	0.004	0.0028	1.00	<0.05	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
TP-13	High Flow 2012	Week of 5/29/12	3.78	NPP	16.09	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	6.29	NPP	16.09	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 4/19/10	6.46	NPP	16.09	406	1.86	262	6.60	63.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 4/19/10	3.82	NPP	16.09	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	5.93	NPP	16.09	343	1.86	277	6.96	60.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[1]	NR[1]	0.0051	NR[1]
	3rd Quarter 2010	Week of 7/20/10	5.75	NPP	16.09	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	2nd Quarter 2010	Week of 4/19/10	6.17	NPP	16.09	422	0.89	276	6.95	47.9	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.024	0.0078	0.0061	NR[1]
	1st Quarter 2010	Week of 3/08/10	5.83	NPP	16.09	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	4th Quarter 2009	Week of 10-05-09	5.85	NPP	16.09	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]	NR[1]
	3rd Quarter 2009	Week of 9/10/09	5.80	NPP	16.09	336	1.21	269	6.87	64.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0090	NR
	2nd Quarter 2009	Week of 4/20/09	5.98	NPP	16.09	460	1.08	234	6.97	51.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.21	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	5.66	NPP	16.09	471	1.61	261	7.07	46.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	5.72	NPP	16.09	422	1.21	228	6.96	57.2	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0070	NR
	3rd Quarter 2008	Week of 7/14/08	5.97	NPP	16.09	584	0.53	240	7.02	56.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2008	Week of 5/12/08	4.69	NPP	16.09	500	0.77	122	6.88	52.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.22	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	3.92	NPP	16.09	478	4.58	257	6.89	45.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	4th Quarter 2007	Week of 10/29/07	5.80	NPP	16.09	342	0.74	237	6.99	58.6	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	6.17	NPP	16.09	472	1.29	220	7.04	58.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0120	NR
	2nd Quarter 2007	Week of 6/18/07	5.63	NPP	16.09	563	1.43	207	6.86	56.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.42	0.019	0.0110	NR
	1st Quarter 2007	Week of 2/26/07	6.16	NPP	16.09	449	1.86	236	6.97	46.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	4th Quarter 2006	Week of 12/04/06	6.51	NPP	16.09	515	0.97	251	7.08	53.9	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	6.33	NPP	16.09	554	0.54	244	6.98	63.9	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	6.35	NPP	16.09	526	0.28	240	7.02	58.6	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	6.78	NPP	16.09	508	0.28	242	6.90	46.3	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	Baseline	Week of 8/15/05	6.27	NPP	16.09	1226	NR	NR	6.97	58.4	<0.0005	<0.0005	<0.0005	0.004	<0.0025	*<1.00	<0.05	NR	NR	NR	NR

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											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
DW-1	High Flow 2012	Week of 5/29/12	3.99	NPP	15.62	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2012	Week of 4/9/12	6.41	NPP	15.62	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	Low Flow 2011	Week of 7/26/11	6.68	NPP	15.62	3116	2.67	156	6.70	68.1	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	<0.0002
	High Flow 2011	Week of 6/13/11	4.54	NPP	15.62	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]	NR[2]
	4th Quarter 2010	Week of 10/18/10	6.17	NPP	15.62	2352	2.35	263	7.13	66.5	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	No Analysis
	3rd Quarter 2010	Week of 7/20/10	5.82	NPP	15.62	2836	1.31	-16	6.81	68.0	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	0.0063	<0.0002
	2nd Quarter 2010	Week of 4/19/10	6.24	NPP	15.62	2546	0.86	270	7.03	52.1	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	0.1	<0.006	<0.005	<0.0002
	1st Quarter 2010	Week of 3/08/10	5.62	NPP	15.62	2625	0.36	286	6.93	47.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	<0.0002
	4th Quarter 2009	Week of 10-05-09	5.85	NPP	15.62	2409	1.67	-12	6.89	67.4	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0057	<0.0002
	3rd Quarter 2009	Week of 9/10/09	5.82	NPP	15.62	2443	1.96	281	6.86	69.2	<0.005	<0.01	<0.01	<0.02	<0.025	*<1.00	<0.05	NR	NR	<0.005	Laboratory Error - No Analysis
	2nd Quarter 2009	Week of 4/20/09	6.02	NPP	15.62	2512	0.85	261	6.83	51.9	<0.005	<0.01	<0.01	<0.02	<0.025	*<1.00	<0.05	0.61	<0.006	<0.005	0.0008
	1st Quarter 2009	Week of 3/02/09	5.69	NPP	15.62	2558	1.56	242	67.40	49.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	<0.001
	4th Quarter 2008	Week of 11/10/08	5.72	NPP	15.62	2462	2.06	159	6.76	59.4	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	No Analysis
	3rd Quarter 2008	Week of 7/14/08	5.89	NPP	15.62	2443	0.59	160	6.93	65.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	<0.001
	2nd Quarter 2008	Week of 5/12/08	4.66	NPP	15.62	2568	2.98	204	6.87	54.7	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.12	<0.006	<0.005	<0.001
	1st Quarter 2008	Week of 03/10/08	4.11	NPP	15.62	2804	1.58	239	6.73	44.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	<0.0002
	4th Quarter 2007	Week of 10/29/07	5.80	NPP	15.62	1990	0.62	294	6.88	62.9	<0.001	<0.001	<0.001	0.007	<0.0025	*<1.00	0.06	NR	NR	<0.005	<0.0002
	3rd Quarter 2007	Week of 8/20/07	6.71	NPP	15.62	1928	0.27	155	7.05	65.7	<0.001	<0.001	<0.001	0.007	<0.0025	*<1.00	0.29	NR	NR	0.0089	<0.0002
	2nd Quarter 2007	Week of 6/18/07	5.81	NPP	15.62	2548	4.59	257	6.75	58.6	<0.001	<0.001	<0.001	0.003	<0.0025	*<1.00	0.15	0.93	<0.03	<0.025	<0.0002
	1st Quarter 2007	Week of 2/26/07	6.11	NPP	15.62	3126	0.65	235	6.88	48.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.29	NR	<0.006	<0.005	0.002
	4th Quarter 2006	Week of 12/04/06	5.58	NPP	15.62	2789	1.24	281	7.01	52.7	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	0.09	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	6.39	NPP	15.62	2067	0.30	258	7.04	66.2	<0.005	<0.005	<0.005	<0.015	<0.012	*<1.00	1.20	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	6.49	NPP	15.62	2329	0.42	143	6.96	58.0	<0.001	<0.001	0.016	0.120	<0.0025	1.60	0.90	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	7.91	NPP	15.62	2118	0.75	-64	6.95	50.2	<0.005	<0.005	0.041	0.230	<0.012	2.20	2.80	NR	NR	NR	NR
	Baseline	Week of 8/15/05	6.43	NPP	15.62	1226	NR	NR	6.97	58.4	<0.001	<0.001	<0.001	0.003	<0.001	NR	NR	NR	NR	NR	NR

TABLE 2
2012 Groundwater Monitoring Data Summary

Sample Location	Sampling Event	DATE	Depth to Water (ft below TOC)	Depth to Product (ft below TOC)	Total Well Depth (ft below TOC)	Conductivity (umhos/cm)	D.O. (mg/L)	ORP (mV)	pH	TEMP (°F)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)
											MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	USEPA Regional Screening Levels	TPH Screening Guidelines Table 2a		WQCC 20NMAC 6.2.3103		40 CFR 141.62 (MCL)	
											0.005	0.75	0.700	0.620	0.012	0.2		1.00	0.05	0.0150	0.002
MW-49	High Flow 2012	Week of 5/29/12	5.76	NPP	16.48	653	2.07	77	7.1	61.2	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	<0.05	NR	NR	<0.0025	NR
	Low Flow 2012	Week of 4/9/12	9.56	NPP	16.48	570	1.61	-113.5	7.71	49.2	<0.001	<0.001	<0.001	<0.002	<0.001	<0.20	<0.05	NR	NR	<0.005	NR
	Low Flow 2011	Week of 7/26/11	9.76	NPP	16.48	641	2.15	169	7.00	61.5	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.0050	NR[2]
	High Flow 2011	Week of 6/13/11	5.74	NPP	16.48	738	0.96	232	6.88	63.4	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR[2]	NR[2]	<0.005	NR[2]
	4th Quarter 2010	Week of 10/18/10	9.14	NPP	16.48	1414	2.04	269	7.12	62.6	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	NR
	3rd Quarter 2010	Week of 7/20/10	8.95	NPP	16.48	1546	1.11	197	6.82	60.7	<0.001	<0.001	<0.001	<0.002	<0.0025	<0.20	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2010	Week of 4/19/10	9.59	NPP	16.48	1498	1.01	284	7.02	52.0	<0.001	<0.001	<0.001	<0.002	<0.0025	0.33	<0.05	0.12	<0.006	<0.005	NR
	1st Quarter 2010	Week of 3/08/10	9.3	NPP	16.48	1870	0.44	206	7.00	47.7	<0.001	<0.001	<0.001	<0.002	<0.0025	0.27	<0.05	NR	NR	<0.005	NR
	4th Quarter 2009	Week of 10-05-09	9.03	NPP	16.48	1510	1.58	179	6.95	65.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.0052	NR
	3rd Quarter 2009	Week of 9/10/09	9.02	NPP	16.48	1574	2.39	295	6.86	61.8	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2009	Week of 4/20/09	9.24	NPP	16.48	1873	0.97	284	6.84	51.6	<0.001	<0.001	0.003	0.002	<0.0025	*<1.00	0.18	0.062	<0.006	<0.005	NR
	1st Quarter 2009	Week of 3/02/09	8.96	NPP	16.48	1982	1.61	223	6.88	50.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.083	NR	NR	<0.005	NR
	4th Quarter 2008	Week of 11/10/08	8.72	NPP	16.48	2413	1.16	237	7.02	60.0	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	0.007	NR
	3rd Quarter 2008	Week of 7/14/08	9.03	NPP	16.48	2280	0.59	148	6.98	61.1	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.24	NR	NR	<0.005	NR
	2nd Quarter 2008	Week of 5/12/08	7.66	NPP	16.48	2831	2.61	187	6.92	52.8	0.0018	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.25	0.066	<0.006	<0.005	NR
	1st Quarter 2008	Week of 03/10/08	6.95	NPP	16.48	3947	1.75	246	6.75	47.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.09	NR	NR	<0.005	NR
	4th Quarter 2007	Week of 10/29/07	8.62	NPP	16.48	2740	0.39	265	6.95	62.3	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.05	NR	NR	<0.005	NR
	3rd Quarter 2007	Week of 8/20/07	9.30	NPP	16.48	924	0.52	192	6.86	63.9	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	NR	NR	<0.005	NR
	2nd Quarter 2007	Week of 6/18/07	8.41	NPP	16.48	1217	0.49	217	6.95	57.5	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	<0.05	0.064	<0.006	<0.005	NR
	1st Quarter 2007	Week of 2/26/07	8.79	NPP	16.48	2568	0.73	265	6.90	48.4	<0.001	<0.001	<0.001	<0.002	<0.0025	*<1.00	0.05	NR	<0.006	<0.005	NR
	4th Quarter 2006	Week of 12/04/06	9.16	NPP	16.48	2356	0.78	295	7.07	56.2	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	0.081	NR	NR	NR	NR
	3rd Quarter 2006	Week of 9/11/06	9.38	NPP	16.48	1736	0.89	234	7.04	64.4	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	0.23	NR	NR	NR	NR
	2nd Quarter 2006	Week of 6/17/06	9.98	NPP	16.48	701	0.26	181	7.01	57.9	<0.001	<0.001	<0.001	<0.003	<0.0025	*<1.00	<0.05	NR	NR	NR	NR
	1st Quarter 2006	Week of 3/06/06	10.07	NPP	16.48	961	0.33	190	7.07	51.9	<0.001	<0.001	<0.001	0.0061	<0.0025	*<1.00	0.074	NR	NR	NR	NR
	Baseline	Week of 8/15/05	9.57	NPP	16.48	2393	NR	NR	6.96	59.8	0.093	<0.002	0.015	0.0041	<0.002	NR	NR	NR	NR	NR	NR

Notes:

NR = Not Required (Voluntary Corrective Measures - Revised Monitoring Plan - October 2005)

NR[1]= Not Required (Approval With Direction - June 2009)

NR[2]= Not Required (Approval With Direction - May 2011)

* Per NMED letter Approval with Direction 2008 Groundwater Remediation and Monitoring Annual Report (Comment 9) dated Sept. 1, 2009 all future DRO analysis will be analyzed at a lower detection level of 0.2mg/L by EPA Method 8015B.

TABLE 3
2012 Air Pressure and Velocity Summary

Sample Location	Sampling Event	Sample Date	Velocity (scfm)	Pressure (psi)
BV - 1	Low Flow	04/04/11	NW	2.9
	High Flow	05/30/12	NW	2.9
BV - 2	Low Flow	04/04/11	NW	2.9
	High Flow	05/30/12	NW	2.9
BV - 3	Low Flow	04/04/11	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 4	Low Flow	04/04/11	NW	2.9
	High Flow	05/30/12	NW	2.9
BV - 5	Low Flow	04/04/11	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 6	Low Flow	04/05/12	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 7	Low Flow	04/05/12	NW	2.9
	High Flow	05/30/12	NW	2.9
BV - 8	Low Flow	04/05/12	NW	2.9
	High Flow	05/30/12	NW	2.9
BV - 9	Low Flow	04/05/12	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 10	Low Flow	04/05/12	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 11	Low Flow	04/05/12	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 12	Low Flow	04/05/12	10.0	2.9
	High Flow	05/30/12	10.0	2.9
BV - 13	Low Flow	04/05/12	10.0	2.9
	High Flow	05/30/12	10.0	2.9
Main Blower	Low Flow	04/05/12	10.0	3.2
	High Flow	05/30/12	10.0	3.2

NW-velocity meter not working
scfm = standard cubic feet per minute
psi = pounds per square inch

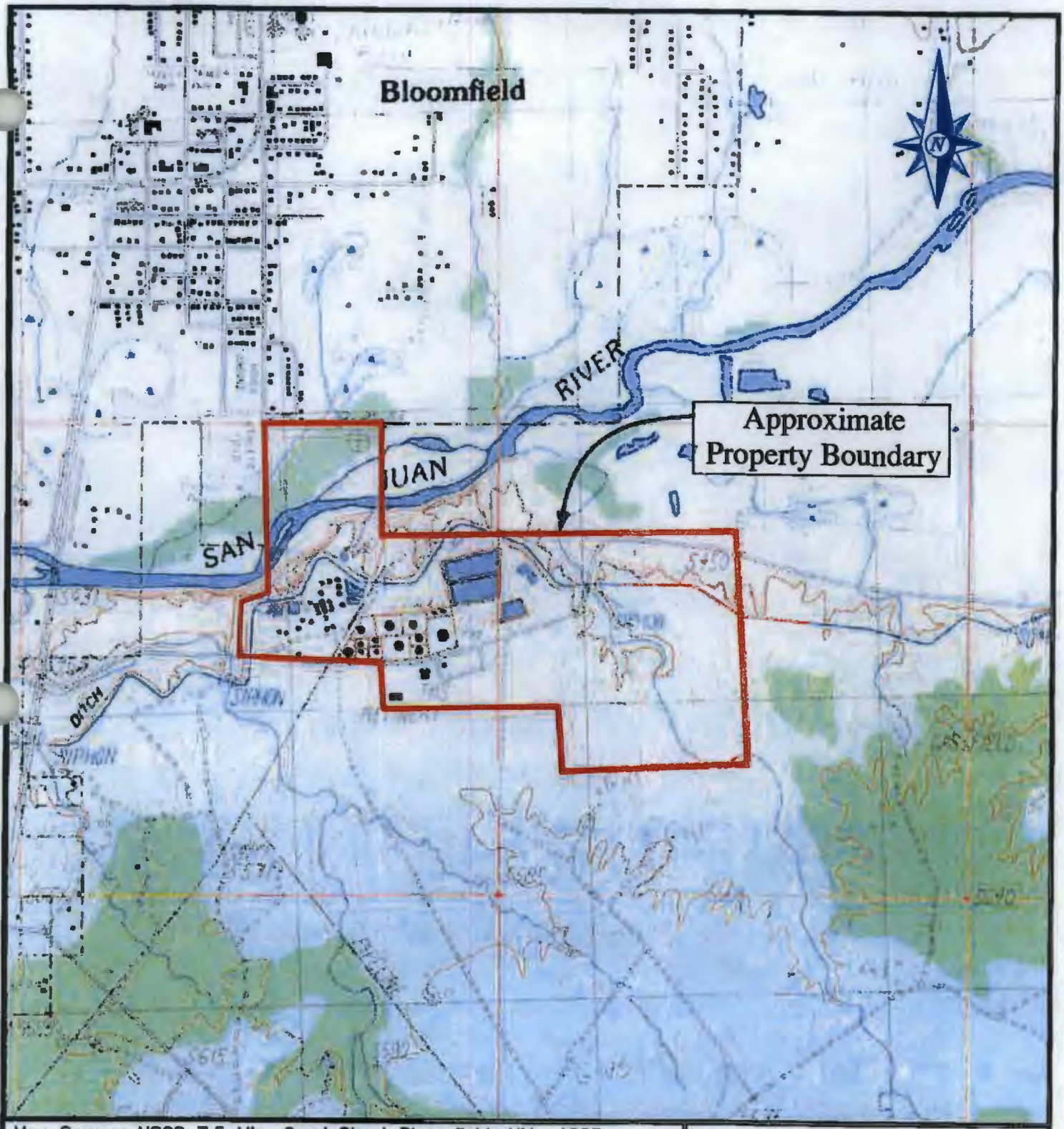
TABLE 4
2012 GAC Filter Analytical Summary

GAC Filter Monitoring 2012 Annual Report			MCL	WQCC 20NMAC 6.2.3103	MCL	WQCC 20NMAC 6.2.3103	TPH Screening Guidelines Table 2a	
Sample Location	Sampling Event	DATE	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
			0.005	0.750	0.700	0.620	0.2	
GAC-INLET	*4th Quarter*	10/01/12	0.034	<0.010	0.560	2.60	0.41	2.40
	3rd Quarter	07/10/12	0.051	<0.010	0.620	2.40	2.00	9.00
	2nd Quarter	04/03/12	0.100	<0.010	0.950	2.40	1.60	12.00
	1st Quarter	01/31/12	NA	NA	NA	NA	0.57	2.10
GAC - LEAD	*4th Quarter*	12/03/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
		11/05/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
		10/01/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
	3rd Quarter	09/05/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
		08/01/12	<0.001	<0.001	<0.001	<0.002	<0.20	NA
		07/10/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
	2nd Quarter	06/04/12	0.011	<0.001	<0.001	<0.002	<0.20	0.073
		05/08/12	0.0085	<0.001	<0.001	<0.002	<0.20	0.057
		04/03/12	0.068	<0.001	<0.001	<0.002	<0.20	0.074
	1st Quarter	03/08/12	0.007	<0.001	<0.001	<0.002	<0.20	0.051
		02/14/12	0.0059	<0.001	<0.001	<0.002	<0.20	0.052
		01/31/12	NA	NA	NA	NA	<0.20	<0.050
GAC - LAG	*4th Quarter*	10/01/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
	3rd Quarter	07/10/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
	2nd Quarter	04/03/12	<0.001	<0.001	<0.001	<0.002	<0.20	<0.050
	1st Quarter	01/31/12	NA	NA	NA	NA	<0.20	<0.050

Notes:

1. Lead GAC changed-out June 2012.

NA = Inadvertantly not analyzed



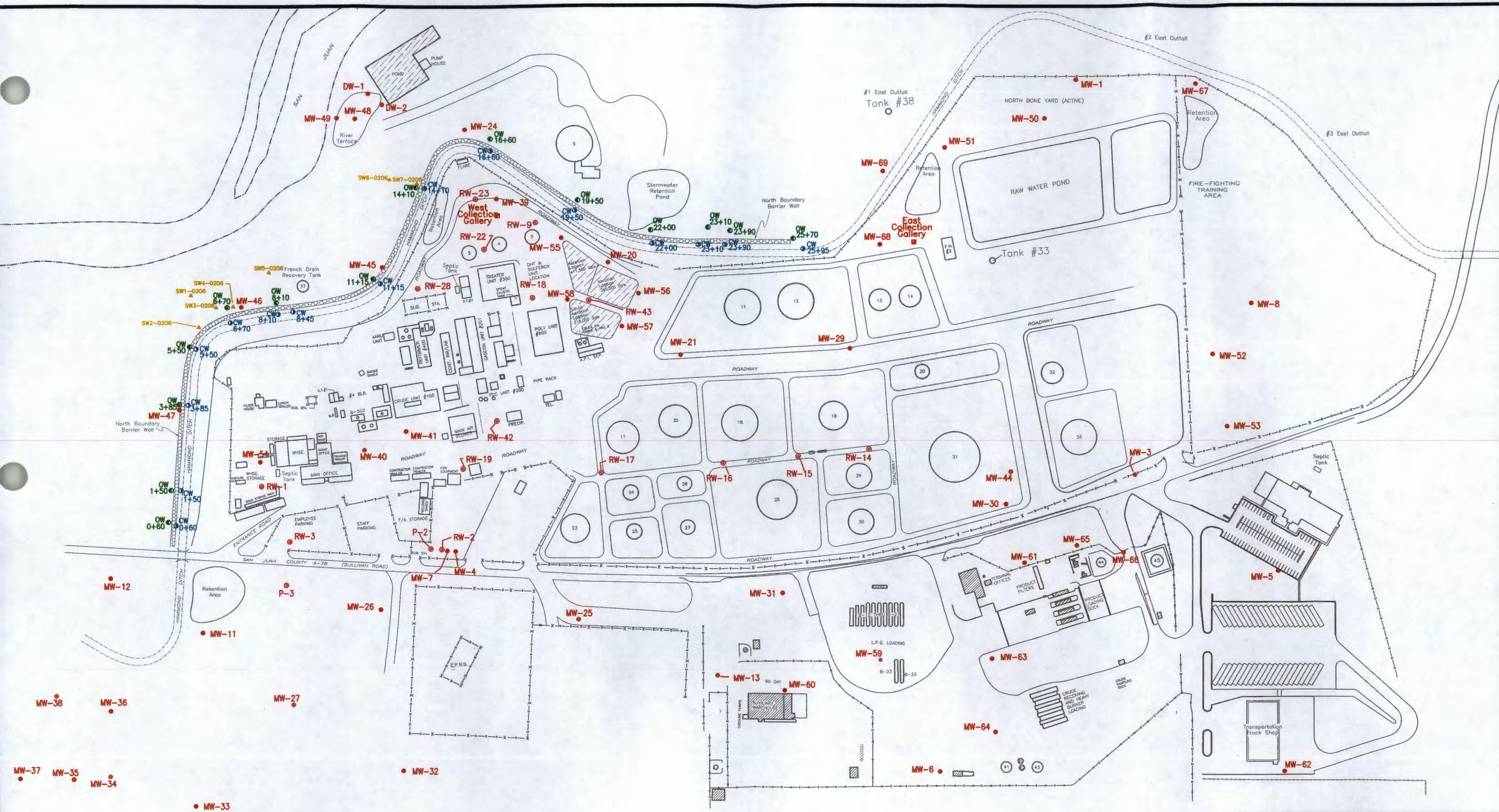
Map Source: USGS 7.5 Min. Quad Sheet Bloomfield, NM., 1985.

0 500 1000 1500 2000
Feet

Western Refining

Site Location Map
Bloomfield Refinery

February 2013 | Figure 1



LEGEND

(hatched bar)	SLURRY BARRIER WALL
MW-1 ●	MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
RW-1 ●	RECOVERY WELL LOCATION AND IDENTIFICATION NUMBER
OW 1+50 ●	OBSERVATION WELL LOCATION AND IDENTIFICATION NUMBER
CW 1+50 ●	COLLECTION WELL LOCATION AND IDENTIFICATION NUMBER
SW1-0206 ▲	SUMP WELL LOCATION AND IDENTIFICATION NUMBER
P-2	PIEZOMETER IDENTIFICATION

0 50 100 200 300
FEET

Western Refining

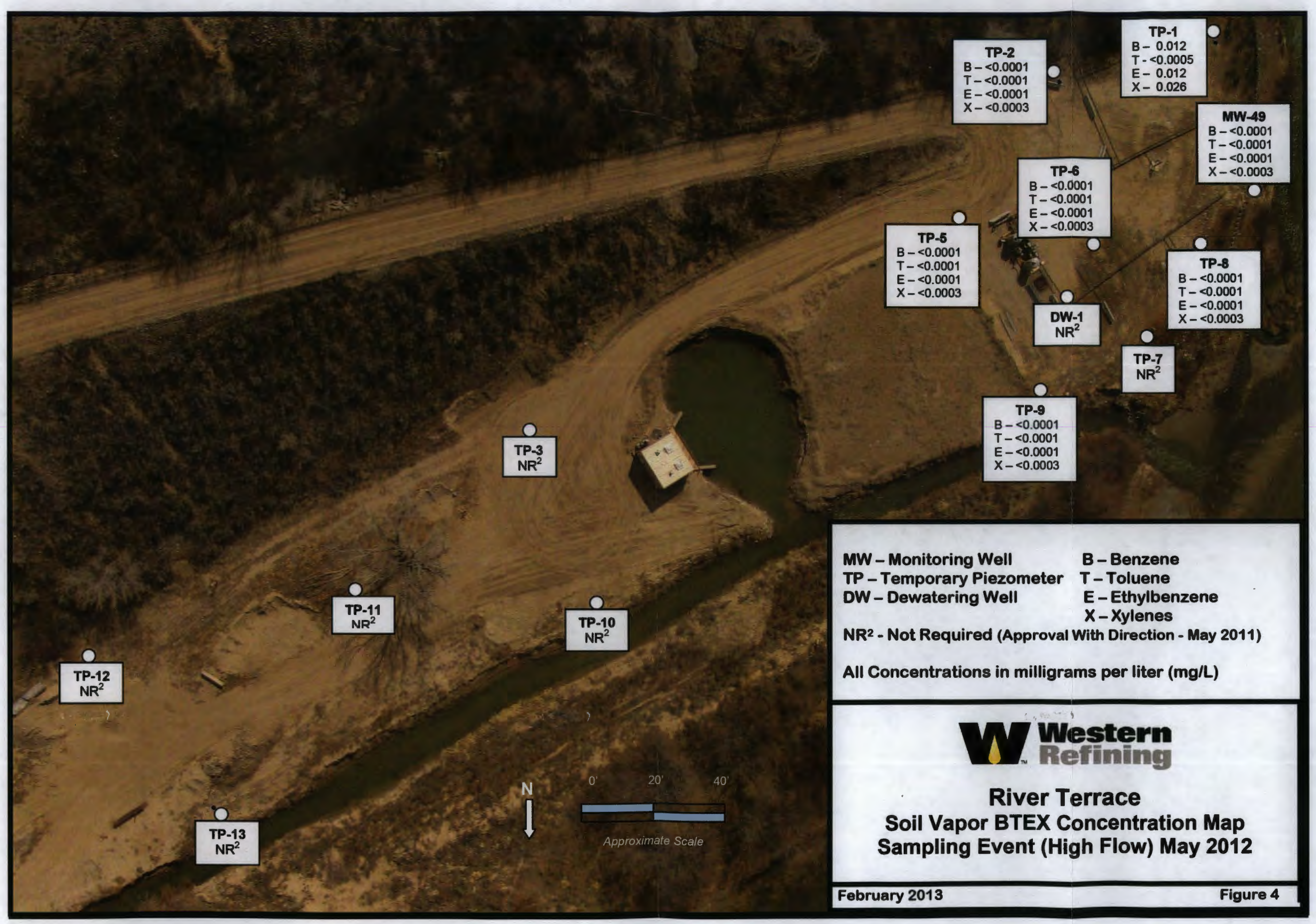
FACILITY SITE PLAN
BLOOMFIELD REFINERY

February 2013 | Figure 2

Western Refining

River Terrace Bioventing Project Plot Plan

February 2013	Figure 3



MW – Monitoring Well
TP – Temporary Piezometer
DW – Dewatering Well

B – Benzene
T – Toluene
E – Ethylbenzene
X – Xylenes

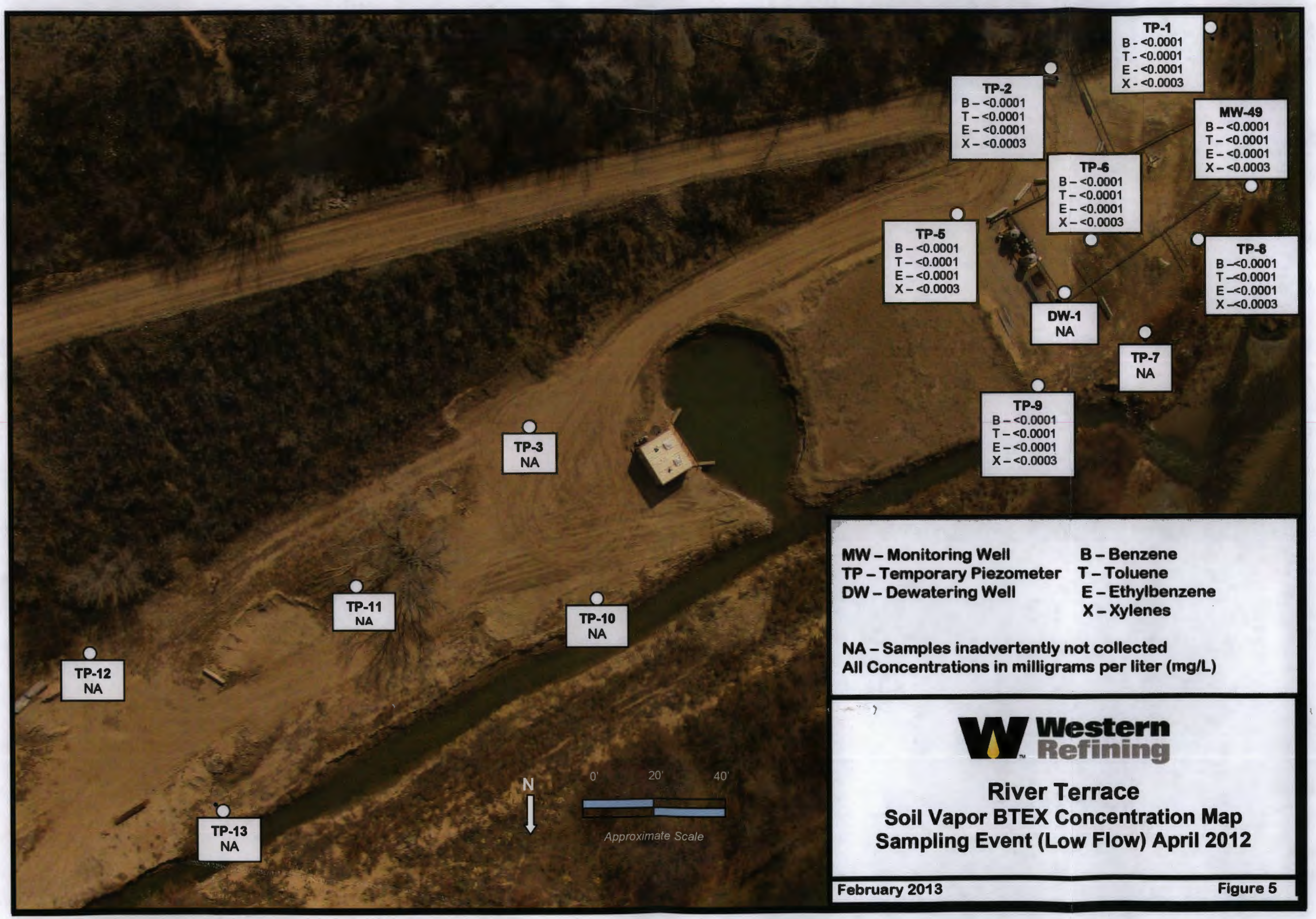
NR² - Not Required (Approval With Direction - May 2011)

All Concentrations in milligrams per liter (mg/L)

Western Refining

River Terrace
Soil Vapor BTEX Concentration Map
Sampling Event (High Flow) May 2012

February 2013 Figure 4



MW – Monitoring Well
TP – Temporary Piezometer
DW – Dewatering Well

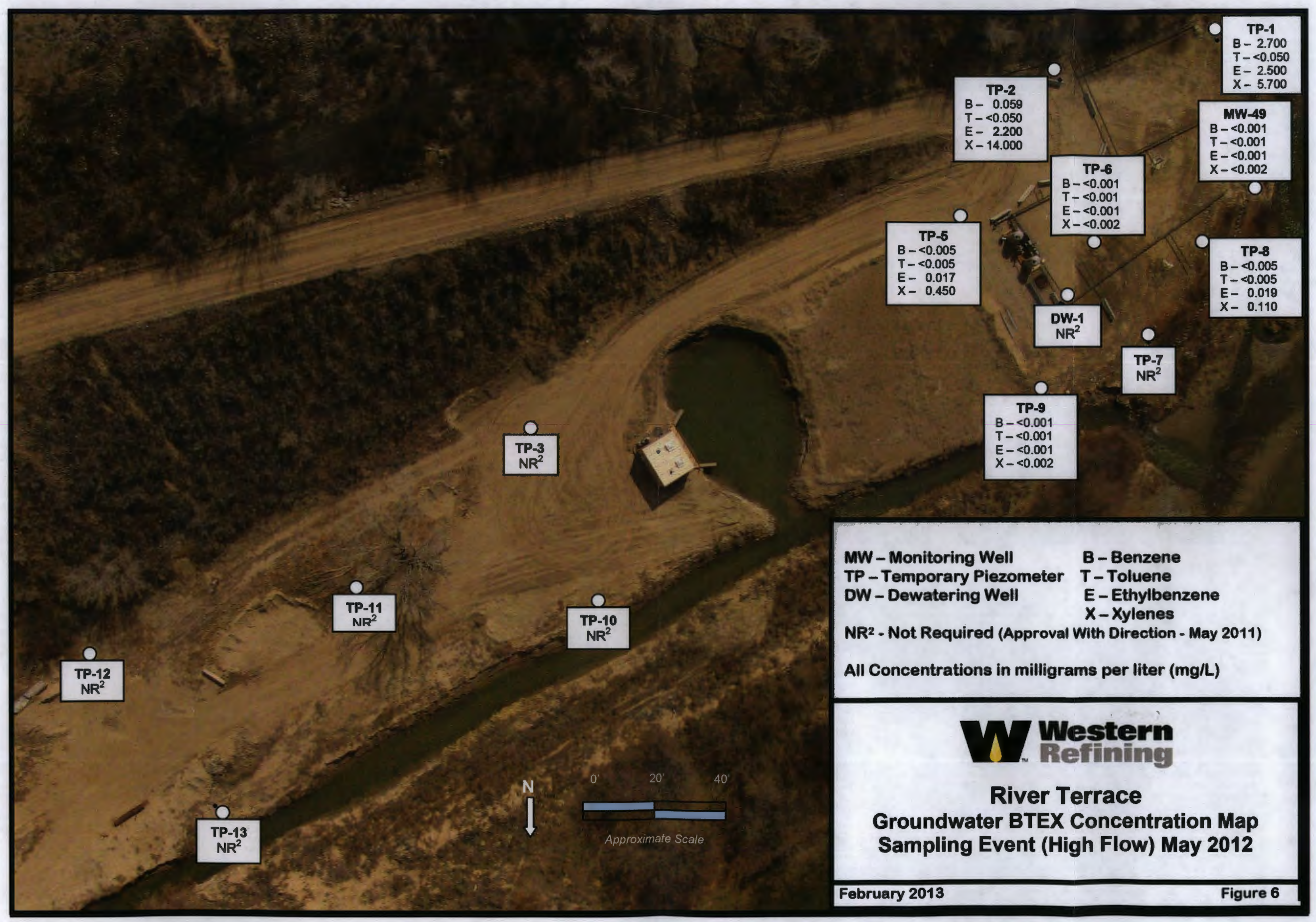
B – Benzene
T – Toluene
E – Ethylbenzene
X – Xylenes

NA – Samples inadvertently not collected
All Concentrations in milligrams per liter (mg/L)

Western Refining

River Terrace
Soil Vapor BTEX Concentration Map
Sampling Event (Low Flow) April 2012

February 2013 Figure 5



MW – Monitoring Well
TP – Temporary Piezometer
DW – Dewatering Well

B – Benzene
T – Toluene
E – Ethylbenzene
X – Xylenes

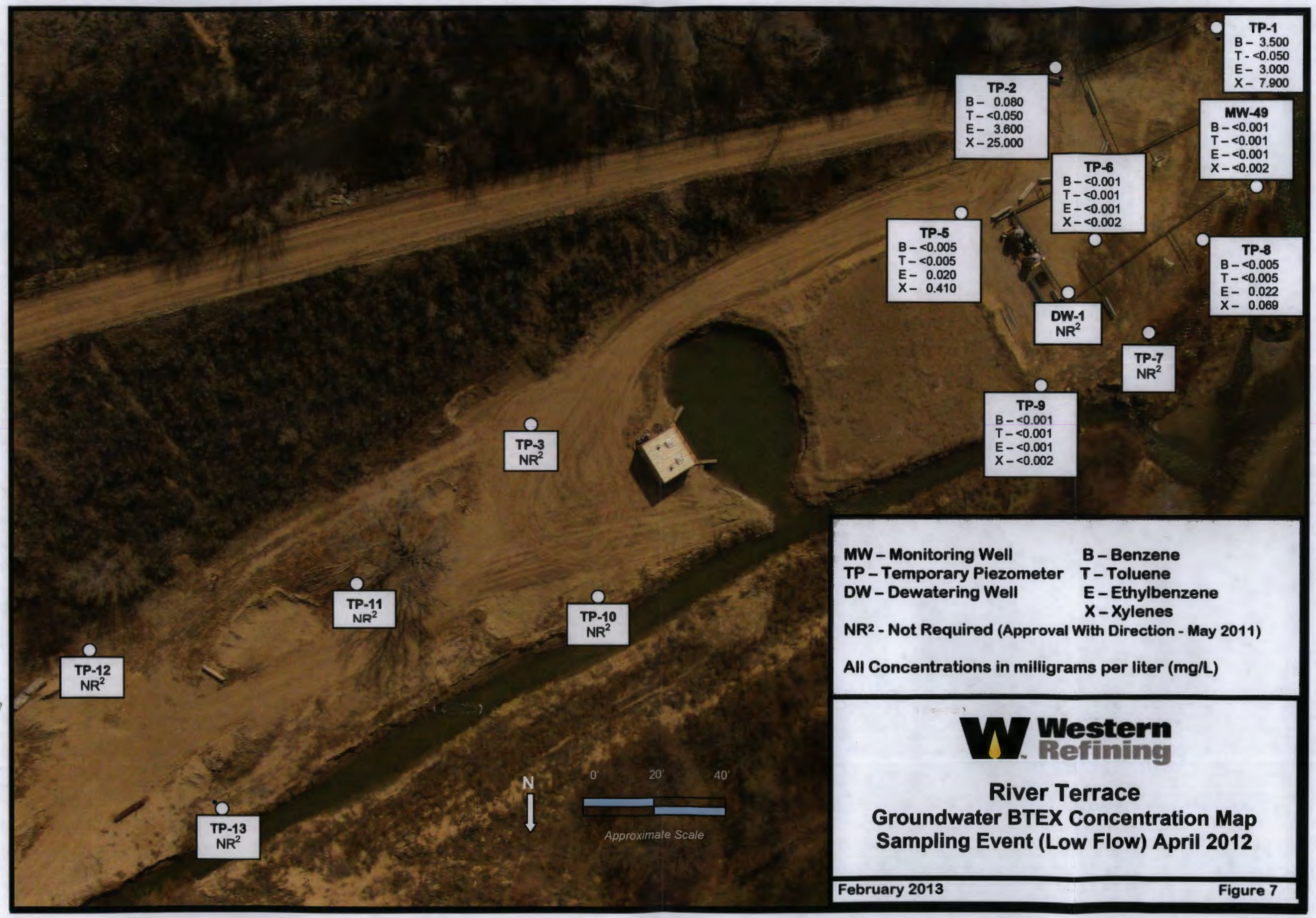
NR² - Not Required (Approval With Direction - May 2011)

All Concentrations in milligrams per liter (mg/L)

Western Refining

River Terrace
Groundwater BTEX Concentration Map
Sampling Event (High Flow) May 2012

February 2013 Figure 6



MW – Monitoring Well
TP – Temporary Piezometer
DW – Dewatering Well

B – Benzene
T – Toluene
E – Ethylbenzene
X – Xylenes

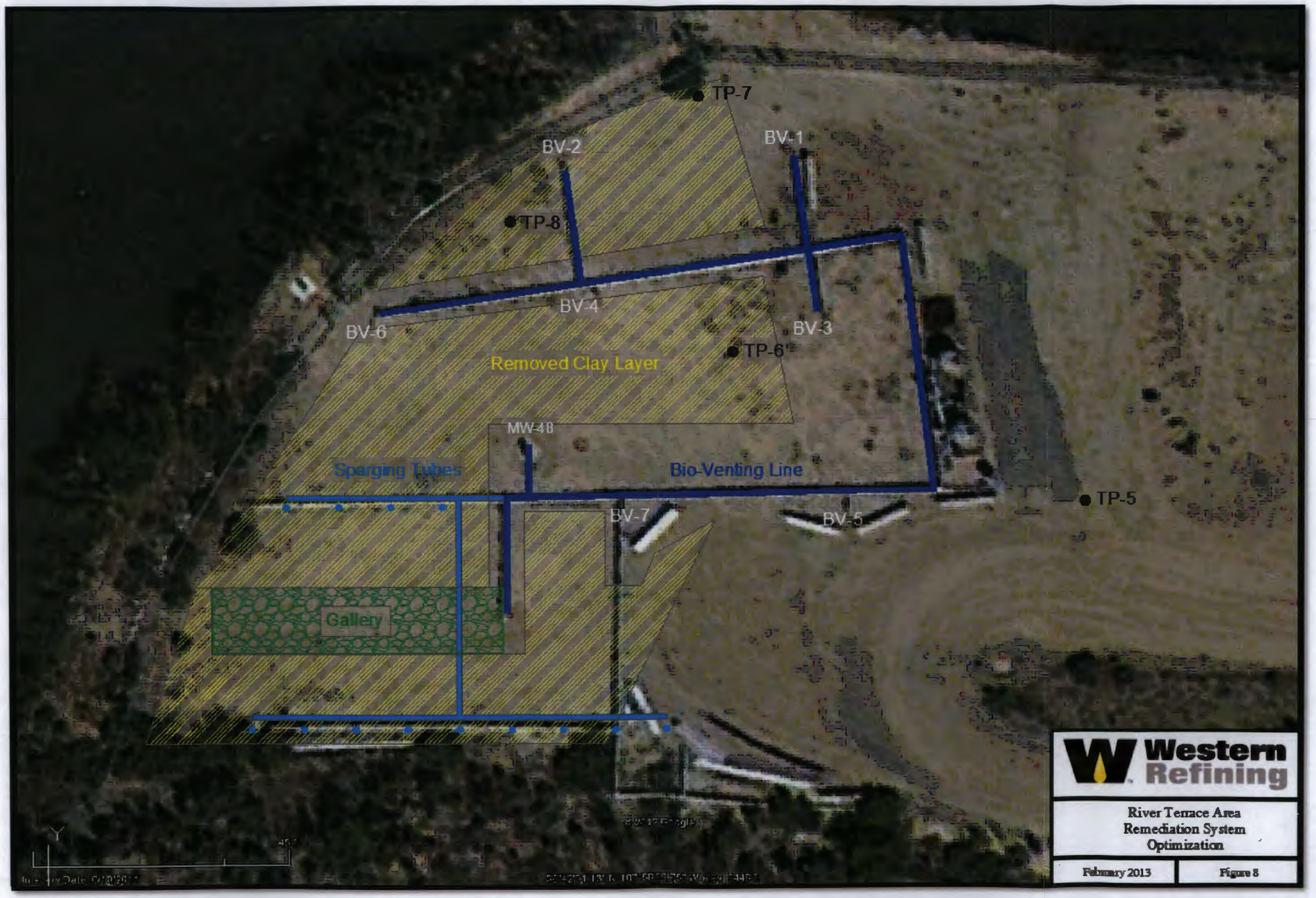
NR² - Not Required (Approval With Direction - May 2011)

All Concentrations in milligrams per liter (mg/L)

Western Refining

River Terrace
Groundwater BTEX Concentration Map
Sampling Event (Low Flow) April 2012

February 2013 Figure 7


TP-7
BV-2
BV-1
TP-8
BV-4
BV-6
BV-3
TP-6
Removed Clay Layer
MW-48
Sparging Tubes
Bio-Venting Line
TP-5
BV-7
BV-5
Gallery
Western Refining
River Terrace Area
Remediation System
Optimization
February 2013
Figure 8