DESERT PETROLEUM INC.

Mr. Jerry Wickham
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6791
FACSMILE (510) 337-9335

January 17, 2012

RE: The following report documents the "Update Status of the groundwater pumping from wells RS05 and T1", Former Desert Petroleum Site DP793, 4035 Park Blvd., Oakland, California 94602.

Dear Mr. Wickham:

I have reviewed the enclosed report that I contracted Western Geo-Engineers to prepare.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

Sincerely,

William Thompson Pres. 1/19/12

William Thompson, Desert Petroleum, Inc. Date

DECEMBER 2011
QUARTERLY UPDATE STATUS REPORT
OF PUMP AND TREATMENT

FORMER DESERT SITE DP 793
4035 PARK BLVD.
OAKLAND, CA.

FOR

DESERT PETROLEUM

January 16, 2012

BY

-WEGE-
WESTERN GEO-ENGINEERS
1386 E. BEAMER STREET
WOODLAND, CALIFORNIA 95776
(530) 668-5300

TABLE OF CONTENTS

List of Tables

List of Figures

List of Appendices

Mr. Bill Thompson
Desert Petroleum
3781 Telegraph Road
Ventura, CA 93003
(805) 644-6784 FAX (805) 654-0720

January 16, 2012

Dear Mr. Thompson:

The following report documents the Fourth Quarter 2011 update status for DP793, 4035 Park Blvd., Oakland, California.

1.0 SITE LOCATION AND IDENTIFICATION NUMBERS

Former Desert Petroleum #793 is a non-active service station (USTs and associated piping removed June 23, 1994), located on the northwest corner of the intersection of Park Boulevard and Hampel Street at 4035 Park Blvd., Oakland, California (Figure 1). The site is located in projected section 32; T1S; R3W; MDB&M at an approximate elevation of 210 feet above mean sea level (Figure 2).

East Bay Municipal Utility District - Sewer Discharge Permit #50435501,
Alameda County Local Oversight STID 1248
San Francisco Bay Regional Board (Region 2) Case # 01-0170
Facility/Leak Site ID# T0600100158

2.0 SITE INVESTIGATION/REMEDIATION CHRONOLOGY

November 30, 1989	Alameda County Health Department (Mr. Ariu Levi) notified Desert Petroleum that gasoline was trickling into a sewer on Brighton Avenue through a crack in the bottom of the sewer access. Desert Petroleum's area manager sent to site to reconstruct and audit tank inventories and sales records. The audit indicated overages on all tanks.
December 1, 1989	Desert Petroleum contacted the station tenant, Mr. Jason Gopad, and advised him to test the fuel tanks and associated piping.
December 5, 1989	The retail fueling facility was closed.
December 6, 1989	Mr. Gopad had the underground storage tanks tested. The test results were inconclusive.
December 7, 1989	All fuel was removed from the underground storage tanks. The product lines were tested by Walton Engineering. The regular leaded and super unleaded lines passed. The regular unleaded line failed. A 1/2 inch hole in the 2 inch unleaded supply line was located beneath the eastern pump island. An ultrasound investigation was conducted to determine the location of the onsite sewer line. An onsite soil gas survey was conducted and indicated contamination associated with the pump islands and the sewer line on the western edge of the property.

December 8, 1989	Desert Petroleum submitted Unauthorized Release Report, drilling permits for site assessment obtained from Alameda County Flood Control and Water Conservation District, Zone 7, Underground Service Alert was notified.
December 11, 1989	Onsite drilling/sampling and well installation initiated, i.e., sample borings RS-1, RS-2, RS-3, RS-5 and RS-4. Groundwater monitoring wells installed into borings RS-1, RS-5, and RS-6. Vapor extraction well installed into boring RS-2.
December 12, 1989	Encroachment permit secured from the City of Oakland for assessment work in Brighton Avenue. Sample boring RS-4 drilled and sampled just east of the sewer access in Brighton Avenue to the 10 foot depth.
December 13, 1989	The area northeast of the sewer access was excavated with a backhoe. Gasoline appeared to be seeping from the backfill around the sewer line. A water supply line was inadvertently broke (USA markings incorrectly marked the location of this line). A vacuum truck was used to pump out the water/product from the excavation. Approximately 7,200 gallons of water/gasoline was manifested and sent to H & H Shipyard for treatment and disposal. The water line was repaired, perforated 4 inch PVC pipe was placed vertically into the excavation and the excavation backfilled with pea gravel from approximately the 8 foot depth to sub-grade, well RS-7. A portable vapor extraction unit connected to the sewer and RS-7 (operated during daylight hours).
December 15, 1989	RSI S.A.V.E. vapor extraction system installed and connected to onsite wells RS01, RS02, RS05 and RS06. It operated continuously for one week, then during daylight hours thereafter due to noise complaints from neighbors. Length of vapor extraction and amounts of hydrocarbons removed not documented.
July 24, 1990	Soil boring/sampling investigations near the sewer lateral in residential backyard 1227 Hampel Avenue.
August 21, 1990	Soil boring/sampling investigations near the sewer lateral in residential backyards 4006 Brighton Avenue and 4010/4012 Brighton Avenue.
December 1990	Commenced quarterly groundwater monitoring.
September 8, 1993	Levine - Fricke, conducted soil boring/sampling investigation at residences 4003 Park Blvd. and 4006 Brighton Avenue. Constructed monitor well at 4003 Park Blvd for property owner of 4003 Park Blvd (not a part of 4035 Park Blvd. site assessment/investigation).
June 23, 1994	Removed all USTs and associated piping from 4035 Park Blvd.
August 14, 1995	Over-excavated UST and dispenser areas at 4035 Park Blvd 1700 cubic yards of non-hazardous soil transported to and disposed at Forward Landfill, Stockton, California. Installed excavation well R3 (6 inch slotted PVC to 15 feet below surface) south of building, backfill excavation to 5 1/2 feet below surface with 1/4 inch pea gravel. Excavating removed monitor well RS-1.
August 16, 1995	Excavated and removed hydraulic hoists from station building.
August 31, 1995	Exploratory excavation at waste oil UST area, north of building and exploratory excavation west of building to 17 feet below surface. Installed excavation wells R1 in west excavation and R2 in north excavation.
September 5, 1995	Drill/sampled and installed replacement well for RS01 (MW01).

May 2, 1996	Soil Probe Survey and soil sample borings along sewer route from 4035 Park Blvd. through back yards, to Brighton Avenue. Temporary casing set in hand augered borings BH-1, BH-2, BH-3, BH-4 and BH-5. Conducted slug tests on BH-1, BH-2, BH-3 and BH-5. Not enough water entry into BH-4 to conduct test. The following hydraulic conductivities (k) were calculated; BH-1 = 0.15 ft/day, BH-2 = 2.9 ft/day, BH-3 = 0.11 ft/day, and BH-5 = 4.8 ft/day.
January 17, 1997	Soil Probe Survey Brighton Avenue
August 12, 1999	Installed receptor trench, Brighton Avenue. 148 cubic yards non hazardous gasoline contaminated soil transported and disposed of at Vacaville Landfill, Vacaville, California. Installed wells RS08, RS09 and RS10.
October 7, 1999	Pumped 19,451 gallons of gasoline contaminated groundwater from receptor trench, stored in above ground 22,000 gallon Baker tank.
January 24, 2000	Obtained sewer discharge permit from East Bay Municipal Utility District, started discharge of water stored in Baker tank to city sewer.
May 4, 2000	Started weekly purging of receptor trench well T1 (4 hours once per week). Discharged purged water through water carbon and then to sewer.
February 15, 2001	Set submersible pump in RS05 to pump continuously, continued once a week purging of receptor well T1 (46,121 gallons removed from receptor trench well).
July 19, 2001	Ceased pumping of RS05 and weekly purging of T1; 62,511 gallons removed from T1 and 78,919 gallons removed from RS05 (total 141,430 gallons of gasoline contaminated groundwater treated and disposed to sewer).
March 21, 2002	Resumed pumping at RS05.
August 6, 2002	246,849 gallons of gasoline contaminated groundwater pumped, treated and disposed to sewer.
November 20, 2002	Commenced weekly hand bailing of free phase product from well RS08.
December 12, 2002	Purged receptor trench of 1432 gallons gasoline tainted groundwater.
January 9, 2003	Purged receptor trench of 1349 gallons gasoline tainted groundwater.
January 30, 2003	Purged receptor trench of 1624 gallons gasoline tainted groundwater.
March 13, 2003	Purged receptor trench of 1413 gallons gasoline tainted groundwater.
April 3, 2003	Purged receptor trench of 1305 gallons gasoline tainted groundwater.
April 9, 2003	Demolished existing service station building.
April 15, 2003	Replaced RS05 groundwater recovery pump with WEGE pump, while RS05 pump is serviced.
May 1, 2003	Reinstalled RS05 groundwater recovery pump. Submitted Workplan to Investigate Contaminated Soils Above and Below the Water Table at the Former Area of the Station Building, 4035 Park Blvd., Oakland, CA.
May 6, 2003	Purged receptor trench of 1589 gallons gasoline tainted groundwater.
May 21, 2003	Purged receptor trench of 2544 gallons gasoline tainted groundwater.
June 25, 2003	Purged receptor trench of 1796 gallons gasoline tainted groundwater.
July 17, 2003	Purged receptor trench of 1560 gallons gasoline tainted groundwater.
July 31, 2003	Notice to initiate Workplan submitted May 1, 2003

August 6, 2003	Alameda County Health, Scott Seery, phoned Western Geo-Engineers, notifying them not to proceed with workplan.
August 13, 2003	Purged receptor trench of 1574 gallons gasoline tainted groundwater.
September 4, 2003	Purged receptor trench of 1477 gallons gasoline tainted groundwater.
October 3, 2003	Purged receptor trench of 1285 gallons gasoline tainted groundwater.
October 16, 2003	Removed water carbon unit #1, placed new water carbon in #2 position and moved #2 water carbon into #1 position.
November 20, 2003	Purged receptor trench of 1303 gallons gasoline tainted groundwater.
December 18, 2003	Purged receptor trench of 1303 gallons gasoline tainted groundwater.
January 22, 2004	Purged receptor trench of 1175 gallons gasoline tainted groundwater.
February 26, 2004	Purged receptor trench of 102 gallons gasoline tainted groundwater.
March 30, 2004	Purged receptor trench of 975 gallons gasoline tainted groundwater.
April 29, 2004	Purged receptor trench of 1406 gallons gasoline tainted groundwater.
May 13, 2004	Turned pumping system off, removed lid from #1 carbon and removed scaling from top of carbon, replaced lid and restarted pump.
May 27, 2004	Purged receptor trench of 1647 gallons gasoline tainted groundwater.
June 30, 2004	Purged receptor trench of 1759 gallons gasoline tainted groundwater.
July 29, 2004	No electrical power to treatment compound; has been disconnected.
September 24, 2004	New power panel at site, need 100 feet extension cord to connect pump controller to power for RS05.
September 28, 2004	Restarted pumping at RS05. Performed 1/4ly well samplings. Purged receptor trench of 1911 gallons.
September 30, 2004	Containment berm full of water, inspected carbon #1, leaking from bottom. Turned system off and removed carbon from system.
October 15, 2004	Took delivery of new water carbon placed #2 carbon into #1 position, new carbon into #2 position, restarted pumping system.
December 8, 2004	Performed 1/4ly well samplings.
December 9-16, 2004	Direct push/cored 12 borings to obtain groundwater and soil samples.
March 8, 2005	Published Conceptual Model
March 23, 2005	Performed 1/4ly well samplings.
June 1, 2005	Performed 1/4ly well samplings.
September 21, 2005	Performed 1/4ly well samplings.
December 7, 2005	Performed 1/4ly well samplings.
February 13, 2006	Published Work Plan to: Over-excavate benzene contaminated soils; to connect the receptor trench to treatment compound; further define TPHg groundwater plume.
March 28, 2006	Performed 1/4ly well samplings.
June 21, 2006	Performed 1/4ly well samplings.
September 13, 2006	Performed 1/4ly well samplings.
October 19, 2006	Installed new water meter at carbon effluent, Meter # 82773286.
November 27, 2006	Destroyed monitor wells MW01, RS02 and RS06. Conducted hand auger soil and groundwater sampling downgradient of RS09.
December 21, 2006	Performed 1/4ly well samplings.
March 12, 2007	Performed 1/4ly well samplings.
June 20, 2007	Performed 1/4ly well samplings
September 26, 2007	Performed 1/4ly well samplings

October 5, 2007	Signed Proposal and Contract Agreement to connect intercept trench
December 18, 2007	Performed 1/4ly well samplings
February 28, 2008	Turned off groundwater pump and treatment system, pinhole leak in #1 water carbon.
March 3, 2008	Removed #1 water carbon, set-up #2 water carbon into #1 position and newly delivered water carbon into #2 position. Restarted groundwater pump and treatment system.
March 12, 2008	Cleaned and inspected RS5 pump, Performed 1/4ly well sampling
June 25, 2008	Obtained sewer discharge sample with EBMUD, monitored and sampled groundwater wells for 2nd ¼ 2008 monitoring report.
September 17, 2008	Performed 1/4ly sampling of wells.
September 25, 2008	Pulled pump from RS05, needed extensive cleaning and service.
October 10, 2008	Reinstalled pump into RS05.
February 26, 2009	Clean #1 water carbon unit of bio film.
June 19, 2009	Obtained sewer discharge sample with EBMUD. Pulled pump from RS5, needed extensive cleaning and service.
September 1, 2009	Reinstalled pump into RS05
September 9, 2009	Receive/install new water carbon unit. Semi-Annual well samples.
December 19, 2009	Obtained sewer discharge sample as per EBMUD requirements.
March 24, 2010	Obtained semiannual monitor well samples.
June 30, 2010	Obtained sewer discharge sample and suspend sewer discharge. Removed groundwater pump from RS05 and pump controller. Pump needs cleaning.
September 16, 2010	Obtained semiannual monitor well samples.
December 30, 2010	New wastewater discharge permit from EBMUD (permit #5043550 1).
February 23, 2011	Finish construction of treatment compound and conveyance pipe from T1.
March 8, 2011	Issued City of Oakland Temporary Discharge Permit into City Sewer Line.
March 30, 2011	Delivery of water carbon units, connect filters, meters and carbons for groundwater treatment. PG&E connected electrical to new treatment compound.
April 6, 2011	Semiannual groundwater samples and start up of treatment compound, pumping from wells RS5 and T1.
July 28, 2011	Change out groundwater pumps T1 and RS05 for cleaning, clogged with orange bio.
August 8, 2011	Remove water carbon units 1 and 2 from system. Take delivery of two new water carbon units. Place #3 into #1 position, Place #4 into #2 position and place two new carbons into #3 and #4 positions.
August 24, 2011	PG&E power off to treatment compound, mistake in billing.
August 31, 2011	Turn groundwater recovery pumps RS05 and T1 back on after obtaining depth to water measurements.
September 14, 2011	Semi Annual monitor well samples and depth to water measurements.

3.0 LOCAL GEOLOGY

3.1 Geomorphology

The site is located on the western slope of the Berkeley Hills. The Berkeley Hills are a northwest-southeast trending range within the Coastal Range Province of California. Erosion of the Coastal Ranges has filled the valleys within and bordering the Coastal Range with sequences of gravels, silts, sands, and clays.

3.2 Stratigraphy

Station Property

The native soil from surface to 13 feet below ground surface (BGS) consists of dark brown silty clay. The dark brown clay is underlain by light brown stiff clay that includes subrounded to rounded metavolcanic gravel. This clay extends to approximately 23 feet BGS at the northwest corner of the site. A fine to medium sand, clayey sand, and silty sand underlies the gravel and clay.

Backyard Sewer Lateral Route

Assessments performed along the sewer lateral as it leaves the site and routes through the residential area towards Brighton Avenue show the subsurface to consist of fill from a couple of inches thick to two feet thick. Beneath the fill is a sequence of clay formations that vary from light brown to dark gray to approximately the 6 foot depth. Silty clay then extends to approximately the 14-foot depth. Beneath the silty clay is sand with occasional gravel. This sand is 11 feet thick at RS05 and is underlain by silty clay.

Brighton Avenue

Construction of the receptor trench along the eastern curb area of Brighton Avenue revealed two separate sequences of lithology. North of the storm drain catch basin the sequence consists of; clay to the four foot depth, silty clay to the seven foot depth, fine silty sand to the 9 foot depth, medium sand to the 10 foot depth, silty clay to the 11 ½ foot depth, gravel to the 12 foot depth underlain by clay to the 16 foot depth. South of the storm catch basin is a sequence of silty clays and clays to depth.

Sandier sequence of sediments north of the storm water catch basin at Brighton Avenue compared to the sediments south of the storm water catch basin, indicate a facies change or a fault remnant striking east/west near the storm drain catch basin. A topographic lineation along the 200 foot contour is located in this area, see Figure 2.

4.0 WORK PERFORMED, September 23 – December 30, 2011.

During this time frame, Western Geo-Engineers performed depth to water measurements to evaluate the pumping effects from T1 and RS05, obtained the required semi-annual sewer discharge samples and performed the necessary operations and maintenance checks.

4.1 Depth to Water Measurements

On December 15, 2011 depth to water was measured at each well using a product/water interface probe. Measurements are referenced to the surveyed elevation at the top of casing at each well. Table 1 shows the elevation of groundwater with respect to mean sea level for all wells through December 15, 2011.

4.2 Collection and Analysis of Water Samples

Groundwater samples were collected from pumping wells RS05 and T1 on October 12 and November 17, 2011. Samples were analyzed using EPA method 8260B for TPHg, BTEX and MtBE, see Table 2 and Appendix A. The last monitor well samples were obtained on September 14, 2011. Figure 3 shows the positions of the groundwater monitoring wells, the receptor trench and previous sample locations.

5.0 RESULTS OF GROUNDWATER MONITORING

5.1 Groundwater Gradient and Flow Direction

Figure 4 shows the groundwater elevation gradients and flow direction that was derived from the depth to water measurements of the monitor wells on December 15, 2011. Groundwater pumping was occurring from wells RS05 and T1. The overall gradient from monitor well RS08 to monitor well RS09 was 0.09 ft/ft to the west. Pumping from the trench well, T1, has dewatered the trench and reduced the groundwater concentrations found entering the trench. Pumping from well RS05 has been shown to influence out to well RS08, see Table 1 and Appendix A.

5.2 Pumping Wells Sample Results

2.1.1 Pumping Well T1

Samples were obtained from well T1, prior to the influent into the carbons on October 12 and November 17, 2011, see Table 2. TPHg was detected at 1100 ug/L in both the October 12 and November 17 samples. Benzene, Toluene, Ethylbenzene and Xylenes showed reductions in concentration from the October 12 samples to the November 17 samples. Xylenes showed an increase with the October 12 sample of 1.4 ug/L to 4.4 ug/L on November 17, 2011.

2.1.1 Pumping Well RS05

Samples were obtained from well RS05, prior to the influent into the carbons on October 12 and November 17, 2011, see Table 2. Comparing the October 12 sample results with the November 17 sample results, the November 17 sample results showed an increase in all analytes tested.

6.0 PURGING/PUMPING OF RECEPTOR (INTERCEPT) TRENCH

The last purging of the receptor (intercept) trench occurred on June 30, 2004. A total of 93,553 gallons of groundwater had been pumped from the receptor trench and purged from the groundwater monitoring wells, see Table 2.

A 4 inch submersible grundfos pump was installed into trench well T1 on March 30, 2011. Pumping commenced from well T1 after depth to water measurements and groundwater samples were obtained from all of the monitor wells on April 6, 2011. The system was turned off on April 10, 2011 when leaks were noticed in the compound, no pumped water left the spill containment from the compound. All leaks were removed/repaired. The leaked water drained to a sump inside the spill containment and was pumped through 4 carbon units prior to discharge to the sanitary sewer. A pressure reducer and valve regulator was installed at the T1 well head on April 13, 2011 and pumping was resumed. As of December 30, 2011 159,833 gallons of water has been pumped from T1 since resuming pumping. This water is treated through a sediment filter and 4 in series carbon units prior to discharge to sewer. As of December 30, 2011 an accumulative 253,480 gallons of contaminated groundwater has been pumped from T1 and purged from monitor wells, along with a calculated removal of TPHg as dissolved gasoline in water of 2.28 gallons, see Tables 2 and 3.

7.0 PUMPING ON-SITE WELL RS05

On February 15, 2001 a submersible pump with a pump bypass was placed into RS05. The pump rate was adjusted to 1.5 gpm and allowed to continuously pump from RS-5 for one week. 3223 gallons were pumped from RS05 through the two, in series, water carbon units and discharged to the sewer. On February 22, 2001 the pump was inspected and showed a slimy growth covering the pump and discharge line that was below the water level. The pump was cleaned and placed back into RS05 and continued to discharge from RS05 through the water carbon units to sewer until July 19, 2001. On July 19, 2001 Desert Petroleum requested suspension of further pumping at the site. The pump was removed and the site secured. From February 15 through July 19, 2001, 78,919 gallons of gasoline contaminated groundwater was recovered from RS05 and treated through carbon before being discharged to the sewer. Pumping from RS05 was resumed on March 21, 2002. A site visit was conducted on June 30, 2010 to remove the pump from RS05 for inspection and cleaning and to obtain a discharge sample prior to suspension of the sewer discharge permit. As of June 30, 2010, 1,714,572 gallons of groundwater have been discharged to the sewer of which 1,620,974 gallons was pumped from RS5 and treated through two, in series, water carbon units prior to being discharge to the sanitary sewer.

On April 6, 2011, a 4 inch submisable grundos pump was installed into RS05. After depth to water measurements and samples were obtained from all of the monitor wells, the pump was turned on. The system was turned off on April 10, 2011 when leaks were noticed in the compound, no pumped water left the spill containment from the compound. The leaks were repaired/eliminated. The leaked water drained to a sump inside the spill containment and was pumped through 4 carbon units prior to be discharged to the sanitary sewer. On April 13, 2011 pumping was resumed. As of December 30, 2011 120,923 gallons of water has been pumped from RS05 since resuming pumping. This water is treated through a sediment filter and 4 in series carbon units prior to discharge to sewer. As of December 30, 2011 an accumulative 1,741,941 gallons of contaminated groundwater has been pumped from RS05, along with a calculated removal of TPHg as dissolved gasoline in water of 14.19 gallons, see Tables 2 and 3.

The pumping from RS05 has lowered the groundwater at this well by at least 12 feet, when compared to non pumping water measurements, see Charts - Appendix B. This creates a cone of influence out to offsite wells RS08 and RS10.

8.0 FREE PHASE FLOATING PRODUCT REMOVAL

Yellow Free Phase Floating Product was discovered in well RS8, 0.04 feet in thickness on August 6, 2002. Since all product storage and dispensing systems have been removed from the site (June 1994), it is thought that the product found in RS08, is residual from the November 1989 release and groundwater pumping at RS05 was retrieving this residual product. Weekly bailing of the floating product from November 20, 2002 through December 12, 2002, (the last noted detection of free phase product in RS8) removed 0.014 gallons of degraded gasoline. This recovered degraded gasoline was stored on site in a 55 gallon 17H drum. Inspection of the 55 gallon drum on June 21, 2006 showed that the recovered gasoline had evaporated; the drum was empty. This 55 gallon drum was removed from the site on February 23, 2011

9.0 SUMMARY

Since the start-up of groundwater recovery from the intercept trench well T1 (March 30, 2011), concentrations have reduced in the intercept trench from 41,000 ug/L TPHg, 12,000 ug/L Benzene, 3,000 ug/L Toluene, 1,200 ug/L Ethylbenzene, 3,000 ug/L Xylenes and 30 ug/L MtBE to 1,100 ug/L TPHg, 89 ug/L Benzene, 12 ug/L Toluene, 3.1 ug/L Ethylbenzene, 69 ug/L Xylenes and 4.4 ug/L MtBE (November 17, 2011). These reductions show a decline in concentrations for TPHg of 97%, Benzene of 99%, Toluene of 99%, Ethylbenzene of 99%, Xylenes of 98% and MtBE of 85%. The pump rate obtained from the intercept trench well (T1) during start-up was 1.2 gallons per minute, but was quickly reduced to 0.3 gallons per minute once the trench was dewatered, which is the current pumping rate.

Pumping of onsite well RS05 since the March 30, 2011 samples has not shown as dramatic change in concentrations. Reductions are noted in concentrations of TPHg from 4,800 ug/L to 3,000 ug/L or 37%, Ethylbenzene from 200 ug/L to 21 ug/L or 89%, and Xylenes from 370 ug/L to 220 ug/L or 40%. Benzene increased in concentration from 100 ug/L to 460 ug/L, Toluene increase in concentration from 31 ug/L to 120 ug/L and MtBE increased from <0.9 ug/L to 4.4 ug/L or approximately 460, 387 and 489% respectively. The pump rate at RS05 has maintained a 0.2 gpm that was previously documented prior to March 2011.

Water sampling of the December 2004 borings showed slow drainage, indicating low hydraulic conductivity in the silty clay and the clayey conglomerate formations. Previous slug test on temporary piezometers installed downgradient of the site, in the backyard of the surrounding residences, showed groundwater velocities ranging between 4 and 385 feet per year. Previous pumping (June 30, 2010) showed RS5 produced approximately 500 gallons per day (<0.5 gpm). To further slow the migration of the contaminants of concern, organic carbon analysis showed total organic carbon in the water bearing formations to range between 340 and 5700 mg/Kg. Along with the organic carbon, natural attenuation is occurring as evident from analysis for the electron

acceptors (dissolved oxygen, nitrate, sulfate and ferric iron), the January 24, 2011 soil sample results along with the presence of biological indicators (carbon dioxide, methane, aerobic hydrocarbon degrading bacteria, and reduced nutrients ortho phosphate and ammonia as nitrogen).

Alameda County Health, in a letter dated November 16, 2005 concurred with the recommendations to remove the remaining on-site hydrocarbon source (based on the December 2004 sample results), continue existing groundwater extraction from well RS05 and to conduct continuous groundwater extraction from the intercept trench (T1 well). These procedures were recommended by Western Geo-Engineers in their March 8, 2005 report "Soil and Groundwater Investigation with Conceptual Model

A Work Plan detailing the above activities was approved. The destruction of on-site monitoring wells MW01, RS02 and RS06 was completed in November 2006 along with the soil and groundwater sampling downgradient of monitor wells RS09. A conveyance piping system was installed and connects intercept trench wells T1, T2 and T4 to a newly installed treatment compound. Pumping from wells T1 and RS05 was initiated on April 6, 2011. A revised work plan that focused on the onsite excavation work was generated and disaapproved by Alameda County Environmental Health in their Decmeber 21, 2011 correspondence. Alameda County Environmental Health has requested a "Draft Corrective Action Plan that evaluates additional remedial alternatives including in-situ methods and meets the criteria described in the technical comments below.", see Appendix C – December 21, 2011 Alameda County Environmental Health Letter.

10.0 RECOMMENDATIONS

- Provide the Draft Corrective Action Plan
- Continue O&M of groundwater pumping and treatment system

11.0 TIME FRAME

February 22, 2012 Submit Draft Correction Action Plan

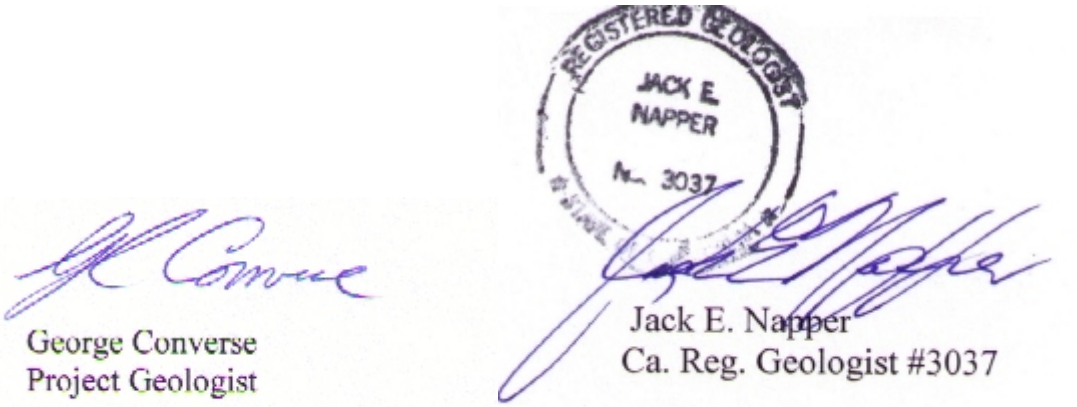
12.0 LIMITATIONS

This report is based upon the following:

A. The observations of field personnel.
B. The results of laboratory analyses performed by a state certified laboratory.
C. Referenced documents.
D. Our understanding of the regulations of the State of California, Alameda County and the City of Oakland.
E. Changes in groundwater conditions can occur due to variations in rainfall, temperature, local and regional water use, and local construction practices.
F. In addition, variations in the soil and groundwater conditions could exist beyond the points explored in this investigation.

State Certified Laboratory analytical results are included in this report. This laboratory follows EPA and State of California approved procedures; however, WEGE is not responsible for errors in these laboratory results. The services performed by Western Geo-Engineers have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California and the Oakland area. Our work and/or supervision of remediation and/or abatement operations, active or preliminary, at this site is in no way meant to imply that we are owners or operators of this site. Known or suspected contamination of soil and/or groundwater must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

Sincerely,



George Converse
Project Geologist

Jack E. Napper
Ca. Reg. Geologist #3037

cc: Mr. J. Wickham, Alameda County Health (510) 567-6791
Mr. Kin Man Li, property owner (510) 599-7000
Geotracker

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-01	12/14/1989	228.15	24.25	203.9	
RS-01	12/90				
RS-01	2/91				
RS-01	6/91				
RS-01	9/91				
RS-01	12/91				
RS-01	11/9/1992	228.15	17.05	211.1	
RS-01	4/7/1994	228.15	13	215.15	
RS-01	6/19/1994	228.15	13.37	214.78	
RS-01	9/17/1994	228.15	16.33	211.82	
RS-01	3/12/1995	228.15	4.66	223.49	
RS-01	8/14/1995	DESTROYED BY OVER-EXCAVATION OF UST			
RS-01	9/5/1995	REPLACED WITH MW-1 9/5/95.			
MW-01	10/4/1995	229.5	12.38	217.12	
MW-01	12/21/95	229.5	13.40	216.1	
MW-01	03/27/96	229.5	5.53	223.97	
MW-01	06/11/96	229.5	9.02	220.48	
MW-01	09/04/96	229.5	11.84	217.66	
MW-01	12/11/96	229.5	12.98	216.52	
MW-01	2/21/97	229.5	9.50	220	
MW-01	5/28/97	229.5	11.18	218.32	
MW-01	9/2/1997	229.5	13.00	216.5	
MW-01	11/24/1997	229.5	14.12	215.38	
MW-01	2/25/1998	229.5	6.41	223.09	
MW-01	7/8/1998	229.5	7.28	222.22	
MW-01	9/16/1998	229.5	10.96	218.54	
MW-01	11/24/1998	229.5	12.24	217.26	
MW-01	2/23/1999	229.5	7.14	222.36	
MW-01	5/5/1999	229.5	7.00	222.5	
MW-01	8/26/1999	229.5	11.41	218.09	
MW-01	11/10/1999	229.5	13.27	216.23	
MW-01	2/9/2000	229.5	13.76	215.74	
MW-01	6/30/2000	229.5	10.63	218.87	
MW-01	8/8/2000	229.5	11.77	217.73	
MW-01	11/16/2000	229.5	13.33	216.17	
MW-01	3/8/2001	229.5	12.30	217.2	
MW-01	5/31/2001	229.5	11.88	217.62	
MW-01	12/18/2001	229.5	13.74	215.76	
MW-01	2/19/2002	229.5	14.42	215.08	
MW-01	5/7/2002	229.5	10.78	218.72	
MW-01	8/6/2002	229.5	12.70	216.8	
MW-01	11/5/2002	229.5	15.00	214.5	
MW-01	12/12/2002	229.5	15.46	214.04	
MW-01	3/13/2003	229.5	14.51	214.99	
MW-01	5/6/2003	229.5	11.06	218.44	
MW-01	8/13/2003	229.5	13.13	216.37	
MW-01	11/20/2003	229.5	14.85	214.65	
MW-01	1/22/2004	229.5	13.65	215.85	
MW-01	3/30/2004	229.5	11.68	217.82	
MW-01	6/10/2004	229.5	13.08	216.42	
MW-01	9/28/2004	229.5	14.33	215.17	
MW-01	12/8/2004	229.5	14.67	214.83	
MW-01	3/23/2005	229.5	9.60	219.9	
MW-01	6/1/2005	229.5	8.64	220.86	
MW-01	9/21/2005	229.5	11.81	217.69	
MW-01	12/7/2005	229.5	13.02	216.48	
MW-01	3/28/2006	229.5	5.94	223.56	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
MW-01	6/21/2006	229.5	7.63	221.87	
MW-01	9/13/2006	229.5	11.40	218.1	
MW-01	11/27/2006	**well destroyed, Alameda County Public**			
RS-02	12/14/1989	227.39			
RS-02	6/19/1994	227.39	10.89	216.50	
RS-02	3/12/1995	227.39	5.26	222.13	
RS-02	10/4/1995	227.39	15.05	212.34	
RS-02	12/21/95	227.39	9.95	217.44	
RS-02	03/27/96	227.39	6.28	221.11	
RS-02	06/11/96	227.39	8.00	219.39	
RS-02	09/04/96	227.39	9.89	217.50	
RS-02	12/11/96	227.39	8.38	219.01	
RS-02	2/21/97	227.39	6.96	220.43	
RS-02	5/28/97	227.39	10.02	217.37	
RS-02	9/2/1997	227.39	11.46	215.93	
RS-02	11/24/1997	227.39	10.43	216.96	
RS-02	2/25/1998	227.39	3.57	223.82	
RS-02	7/8/1998	227.39	8.83	218.56	
RS-02	9/16/1998	227.39	10.60	216.79	
RS-02	11/24/1998	227.39	13.27	214.12	
RS-02	2/23/1999	227.39	4.06	223.33	
RS-02	5/5/1999	227.39	7.70	219.69	
RS-02	8/26/1999	227.39	11.42	215.97	
RS-02	11/10/1999	227.39	15.94	211.45	
RS-02	2/9/2000	227.39	8.91	218.48	
RS-02	6/30/2000	227.39	9.79	217.60	
RS-02	8/8/2000	227.39	10.71	216.68	
RS-02	11/16/2000	227.39	10.39	217.00	
RS-02	3/8/2001	227.39	6.62	220.77	
RS-02	5/31/2001	227.39	10.09	217.30	
RS-02	12/18/2001	227.39	6.99	220.40	
RS-02	2/19/2002	227.39	8.08	219.31	
RS-02	5/7/2002	227.39	9.27	218.12	
RS-02	8/6/2002	227.39	11.38	216.01	
RS-02	11/5/2002	227.39	17.09	210.30	
RS-02	12/12/2002	227.39	13.19	214.20	
RS-02	3/13/2003	227.39	8.93	218.46	
RS-02	5/6/2003	227.39	8.05	219.34	
RS-02	8/13/2003	227.39	11.16	216.23	
RS-02	11/20/2003	227.39	17.62	209.77	
RS-02	1/22/2004	227.39	7.40	219.99	
RS-02	3/30/2004	227.39	7.95	219.44	
RS-02	6/10/2004	227.39	10.56	216.83	
RS-02	9/28/2004	227.39	17.02	210.37	
RS-02	12/8/2004	227.39	9.80	217.59	
RS-02	3/23/2005	227.39	5.05	222.34	
RS-02	6/1/2005	227.39	8.60	218.79	
RS-02	9/21/2005	227.39	11.45	215.94	
RS-02	12/7/2005	227.39	10.82	216.57	
RS-02	3/28/2006	227.39	3.85	223.54	
RS-02	6/21/2006	227.39	8.86	218.53	
RS-02	9/13/2006	227.39	11.25	216.14	
RS-02	11/27/2006	**well destroyed, Alameda County Public**			
RS-05	12/14/1989	227.61	25.97	201.64	
RS-05	2/91	227.61			sheen
RS-05	6/91	227.61			sheen

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-05	9/91	227.61			sheen
RS-05	12/91	227.61			sheen
RS-05	11/9/1992	227.61	20.73	206.88	
RS-05	4/7/1994	227.61	18.16	209.45	
RS-05	6/19/1994	227.61	18.11	209.5	
RS-05	9/17/1994	227.61	19.63	207.98	
RS-05	3/12/1995	227.61	14.54	213.07	
RS-05	10/4/1995	227.61	17.53	210.08	
RS-05	12/21/95	227.61	17.47	210.14	
RS-05	03/27/96	227.61	13.51	214.1	
RS-05	06/11/96	227.61	14.25	213.36	
RS-05	09/04/96	227.61	16.50	211.11	
RS-05	12/11/96	227.61	15.88	211.73	
RS-05	2/21/97	227.61	13.76	213.85	sheen
RS-05	5/28/97	227.61	15.77	211.84	
RS-05	9/2/1997	227.61	17.47	210.14	
RS-05	11/24/1997	227.61	18.67	208.94	
RS-05	2/25/1998	227.61	10.53	217.08	
RS-05	7/8/1998	227.61	13.75	213.86	
RS-05	9/16/1998	227.61	15.80	211.81	
RS-05	11/24/1998	227.61	16.64	210.97	
RS-05	2/23/1999	227.61	12.36	215.25	
RS-05	5/5/1999	227.61	12.78	214.83	
RS-05	8/26/1999	227.61	16.06	211.55	
RS-05	11/10/1999	227.61	17.54	210.07	
RS-05	2/9/2000	227.61	16.31	211.3	
RS-05	6/30/2000	227.61	15.15	212.46	
RS-05	8/8/2000	227.61	16.10	211.51	
RS-05	11/16/2000	227.61	17.38	210.23	
RS-05	3/8/2001	227.61	27.72	199.89	
RS-05	5/31/2001	227.61	22.96	204.65	
RS-05	12/18/2001	227.61	15.61	212	
RS-05	2/19/2002	227.61	14.80	212.81	
RS-05	5/7/2002	227.61	31.77	195.84	
RS-05	8/6/2002	227.61	31.77	195.84	
RS-05	11/5/2002	227.61	31.77	195.84	
RS-05	12/12/2002	227.61	21.53	206.08	
RS-05	3/13/2003	227.61	36.70	190.91	
RS-05	5/6/2003	227.61	14.52	213.09	
RS-05	8/13/2003	227.61	31.77	195.84	
RS-05	11/20/2003	227.61	32.00	195.61	
RS-05	1/22/2004	227.61	25.30	202.31	
RS-05	3/30/2004	227.61	21.90	205.71	
RS-05	6/10/2004	227.61	35.00	192.61	
RS-05	9/28/2004	227.61	19.05	208.56	
RS-05	12/8/2004	227.61	25.00	202.61	
RS-05	3/23/2005	227.61	26.05	201.56	
RS-05	6/1/2005	227.61	25.40	202.21	
RS-05	9/21/2005	227.61	19.00	208.61	
RS-05	12/7/2005	227.61	27.50	200.11	
RS-05	3/28/2006	227.61	19.60	208.01	
RS-05	6/21/2006	227.61	16.70	210.91	
RS-05	9/13/2006	227.61	31.00	196.61	
RS-05	12/21/2006	227.61	28.00	199.61	
RS-05	3/12/2007	227.61	30.00	197.61	
RS-05	6/20/2007	227.61	30.00	197.61	
RS-05	9/26/2007	227.61	22.80	204.81	
RS-05	12/18/2007	227.61	24.65	202.96	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-05	3/12/2008	227.61	20.50	207.11	
RS-05	6/25/2008	227.61	34.00	193.61	
RS-05	9/17/2008	227.61	23.45	204.16	
RS-05	12/17/2008	227.61	28.20	199.41	
RS-05	3/31/2009	227.61	34.00	193.61	
RS-05	9/8/2009	227.61	22.30	205.31	
RS-05	3/24/2010	227.61	33.50	194.11	
RS-05	6/30/2010	227.61	16.03	211.58	
RS-05	9/16/2010	227.61	17.02	210.59	
RS-05	4/6/2011	227.61	12.62	214.99	
RS-05	4/27/2011	227.61	28.70	198.91	
RS-05	5/12/2011	227.61	29.40	198.21	
RS-05	6/29/2011	227.61	20.22	207.39	
RS-05	8/10/2011	227.61	17.85	209.76	
RS-05	8/31/2011	227.61	16.10	211.51	
RS-05	9/14/2011	227.61	18.70	208.91	
RS-05	12/15/2011	227.61	20.20	207.41	
RS-06	12/14/1989	227.22	22.52	204.7	
RS-06	2/91	227.22			sheen
RS-06	6/91	227.22			
RS-06	9/91	227.22			sheen
RS-06	12/91	227.22			
RS-06	11/9/1992	227.22	19.43	207.79	
RS-06	4/7/1994	227.22	14.42	212.8	
RS-06	6/19/1994	227.22	14.45	212.77	
RS-06	9/17/1994	227.22	19.52	207.7	
RS-06	3/12/1995	227.22	8.90	218.32	
RS-06	10/4/1995	227.22	17.78	209.44	
RS-06	12/21/95	227.22	14.98	212.24	
RS-06	03/27/96	227.22	10.00	217.22	
RS-06	06/11/96	227.22	12.00	215.22	
RS-06	09/04/96	227.22	15.00	212.22	
RS-06	12/11/96	227.22	12.36	214.86	
RS-06	2/21/97	227.22	10.00	217.22	
RS-06	5/28/97	227.22	13.56	213.66	
RS-06	9/2/1997	227.22	16.35	210.87	
RS-06	11/24/1997	227.22	15.72	211.5	
RS-06	2/25/1998	227.22	6.26	220.96	
RS-06	7/8/1998	227.22	11.41	215.81	
RS-06	7/30/1998	227.22			
RS-06	9/16/1998	227.22	13.42	213.8	
RS-06	11/24/1998	227.22	15.91	211.31	
RS-06	2/23/1999	227.22	7.00	220.22	
RS-06	5/5/1999	227.22	10.29	216.93	
RS-06	8/26/1999	227.22	13.72	213.5	
RS-06	11/10/1999	227.22	13.90	213.32	
RS-06	2/9/2000	227.22	12.77	214.45	
RS-06	6/30/2000	227.22	12.69	214.53	
RS-06	8/8/2000	227.22	14.72	212.5	
RS-06	11/16/2000	227.22	15.28	211.94	
RS-06	3/8/2001	227.22	10.10	217.12	
RS-06	5/31/2001	227.22	12.96	214.26	
RS-06	12/18/2001	227.22	10.88	216.34	
RS-06	2/19/2002	227.22	11.08	216.14	
RS-06	5/7/2002	227.22	12.31	214.91	
RS-06	8/6/2002	227.22	14.23	212.99	
RS-06	11/5/2002	227.22	17.99	209.23	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-06	12/12/2002	227.22	17.57	209.65	
RS-06	3/13/2003	227.22	11.82	215.4	
RS-06	5/6/2003	227.22	10.10	217.12	
RS-06	8/13/2003	227.22	13.88	213.34	
RS-06	11/20/2003	227.22	18.62	208.6	
RS-06	1/22/2004	227.22	11.24	215.98	
RS-06	3/30/2004	227.22	10.72	216.5	
RS-06	6/10/2004	227.22	13.52	213.7	
RS-06	9/28/2004	227.22	17.95	209.27	
RS-06	12/8/2004	227.22	14.80	212.42	
RS-06	3/23/2005	227.22	7.62	219.6	
RS-06	6/1/2005	227.22	10.72	216.5	
RS-06	9/21/2005	227.22	13.22	214	
RS-06	12/7/2005	227.22	14.02	213.2	
RS-06	3/28/2006	227.22	6.03	221.19	
RS-06	6/21/2006	227.22	10.40	216.82	
RS-06	9/13/2006	227.22	12.82	214.4	
RS-06	11/27/2006	**well destroyed, Alameda County Public**			
RS-07	12/14/1989	195.99			
RS-07	7/90	195.99			
RS-07	2/91	195.99			shhen
RS-07	6/91	195.99			sheen
RS-07	9/91	195.99			sheen
RS-07	12/91	195.99			
RS-07	11/9/1992	195.99	4.62	191.37	
RS-07	4/7/1994	195.99	4.03	191.96	
RS-07	6/19/1994	195.99	4.07	191.92	
RS-07	9/17/1994	195.99	4.05	191.94	
RS-07	3/12/1995	195.99	3.72	192.27	
RS-07	10/4/1995	195.99	4.03	191.96	
RS-07	12/21/95	195.99	3.95	192.04	
RS-07	03/27/96	195.99	3.80	192.19	
RS-07	06/11/96	195.99	3.79	192.2	
RS-07	09/04/96	195.99	3.99	192	
RS-07	12/11/96	195.99	3.78	192.21	
RS-07	2/21/97	195.99	3.82	192.17	
RS-07	5/28/97	195.99	3.82	192.17	
RS-07	9/2/1997	195.99	3.96	192.03	
RS-07	11/24/1997	195.99	3.76	192.23	
RS-07	2/25/1998	195.99	3.70	192.29	
RS-07	7/8/1998	195.99	3.76	192.23	
RS-07	7/30/1998	195.99			
RS-07	9/16/1998	195.99	3.83	192.16	
RS-07	11/24/1998	195.99	3.77	192.22	
RS-07	2/23/1999	195.99	3.70	192.29	
RS-07	5/5/1999	195.99	3.88	192.11	
RS-07	8/26/1999	195.99	4.16	191.83	
RS-07	11/10/1999	195.99	4.12	191.87	
RS-07	2/9/2000	195.99	3.98	192.01	
RS-07	6/30/2000	195.99	4.04	191.95	
RS-07	8/8/2000	195.99	4.06	191.93	
RS-07	11/16/2000	195.99	4.04	191.95	
RS-07	3/8/2001	195.99	3.94	192.05	
RS-07	5/31/2001	195.99	4.01	191.98	
RS-07	12/18/2001	195.99	4.81	191.18	
RS-07	2/19/2002	195.99	3.91	192.08	
RS-07	5/7/2002	195.99	3.97	192.02	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-07	8/6/2002	195.99	4.06	191.93	
RS-07	11/5/2002	195.99	4.11	191.88	
RS-07	12/12/2002	195.99	4.13	191.86	
RS-07	3/13/2003	195.99	4.02	191.97	
RS-07	5/6/2003	195.99	3.98	192.01	
RS-07	8/13/2003	195.99	4.09	191.9	
RS-07	11/20/2003	195.99	4.10	191.89	
RS-07	1/22/2004	195.99	4.12	191.87	
RS-07	3/30/2004	195.99	4.05	191.94	
RS-07	6/10/2004	195.99	4.12	191.87	
RS-07	9/28/2004	195.99	4.18	191.81	
RS-07	12/8/2004	195.99	3.92	192.07	
RS-07	3/23/2005	195.99	4.00	191.99	
RS-07	6/1/2005	195.99	4.11	191.88	
RS-07	9/21/2005	195.99	4.14	191.85	
RS-07	12/7/2005	195.99	4.13	191.86	
RS-07	3/28/2006	195.99	3.93	192.06	
RS-07	6/21/2006	195.99	4.11	191.88	
RS-07	9/13/2006	195.99	4.13	191.86	
RS-07	12/21/2006	195.99	4.08	191.91	
RS-07	3/12/2007	195.99	3.98	192.01	
RS-07	6/20/2007	195.99	4.10	191.89	
RS-07	9/26/2007	195.99	4.13	191.86	
RS-07	12/18/2007	195.99	3.83	192.16	
RS-07	3/12/2008	195.99	3.99	192	
RS-07	6/25/2008	195.99	4.13	191.86	
RS-07	9/17/2008	195.99	4.22	191.77	
RS-07	12/17/2008	195.99	4.12	191.87	
RS-07	3/31/2009	195.99	4.10	191.89	
RS-07	9/8/2009	195.99	4.18	191.81	
RS-07	3/24/2010	195.99	4.11	191.88	
RS-07	6/30/2010	195.99	4.08	191.91	
RS-07	9/16/2010	195.99	4.12	191.87	
RS-07	4/6/2011	195.99	4.12	191.87	
RS-07	4/27/2011	195.99	4.36	191.63	
RS-07	5/12/2011	195.99	4.48	191.51	
RS-07	6/29/2011	195.99	4.18	191.81	
RS-07	8/10/2011	195.99	4.30	191.69	
RS-07	8/31/2011	195.99	4.35	191.64	
RS-07	9/14/2011	195.99	4.30	191.69	
RS-07	12/15/2011	195.99	4.28	191.71	
RS-08	12/14/1989				
RS-08	09/04/96				
RS-08	12/11/96				
RS-08	2/21/97				
RS-08	5/28/97				
RS-08	9/2/1997				
RS-08	11/24/1997				
RS-08	2/25/1998				
RS-08	7/8/1998				
RS-08	9/16/1998				
RS-08	11/24/1998				
RS-08	2/23/1999				
RS-08	5/5/1999				
RS-08	8/26/1999	214.67	7.25	207.42	
RS-08	11/10/1999	214.67	8.69	205.98	
RS-08	2/9/2000	214.67	7.23	207.44	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-08	6/30/2000	214.67	3.99	210.68	
RS-08	8/8/2000	214.67	7.52	207.15	
RS-08	11/16/2000	214.67	6.14	208.53	
RS-08	3/8/2001	214.67	9.40	205.27	
RS-08	5/31/2001	214.67	6.83	207.84	
RS-08	12/18/2001	214.67	7.14	207.53	
RS-08	2/19/2002	214.67	7.69	206.98	
RS-08	5/7/2002	214.67	7.82	206.85	
RS-08	8/6/2002	214.67	13.46	201.21	**0.04**
RS-08	11/5/2002	214.67	13.96	200.71	**0.40**
RS-08	12/12/2002	214.67	14.38	200.29	**0.08**
RS-08	3/13/2003	214.67	10.99	203.68	
RS-08	5/6/2003	214.67	5.35	209.32	
RS-08	8/13/2003	214.67	11.96	202.71	
RS-08	11/21/2003	214.67	12.30	202.37	
RS-08	1/22/2004	214.67	9.63	205.04	
RS-08	3/30/2004	214.67	8.70	205.97	
RS-08	6/10/2004	214.67	10.65	204.02	
RS-08	9/28/2004	214.67	9.00	205.67	
RS-08	12/8/2004	214.67	4.50	210.17	
RS-08	3/23/2005	214.67	3.65	211.02	
RS-08	6/1/2005	214.67	9.70	204.97	
RS-08	9/21/2005	214.67	could not locate, under landscapir		
RS-08	12/7/2005	214.67	12.76	201.91	
RS-08	3/28/2006	214.67	3.42	211.25	
RS-08	6/21/2006	214.67	7.03	207.64	
RS-08	9/13/2006	214.67	11.13	203.54	
RS-08	12/21/2006	214.67	10.67	204	
RS-08	3/12/2007	214.67			dogs
RS-08	6/20/2007	214.67	11.19	203.48	
RS-08	9/26/2007	214.67			dogs
RS-08	12/18/2007	214.67			dogs
RS-08	3/12/2008	214.67	9.36	205.31	
RS-08	6/25/2008	214.67	12.28	202.39	
RS-08	9/17/2008	214.67	12.13	202.54	
RS-08	12/17/2008	214.67			dogs
RS-08	3/31/2009	214.67			dogs
RS-08	9/8/2009	214.67			dogs
RS-08	3/24/2010	214.67	7.78	206.89	
RS-08	6/30/2010	214.67			dogs
RS-08	9/16/2010	214.67	8.98	205.69	
RS-08	4/6/2011	214.67	3.63	211.04	
RS-08	4/27/2011	214.67	8.42	206.25	
RS-08	5/12/2011	214.67	9.73	204.94	
RS-08	6/29/2011	214.67	10.20	204.47	
RS-08	8/10/2011	214.67	8.90	205.77	
RS-08	8/31/2011	214.67	9.03	205.64	
RS-08	9/14/2011	214.67	10.51	204.16	
RS-08	12/15/2011	214.67	10.95	203.72	
RS-09	12/14/1989				
RS-09	09/04/96				
RS-09	12/11/96				
RS-09	2/21/97				
RS-09	5/28/97				
RS-09	9/2/1997				
RS-09	11/24/1997				
RS-09	2/25/1998				

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(AMSL = Above mean sea level) WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-09	7/8/1998				
RS-09	9/16/1998				
RS-09	11/24/1998				
RS-09	2/23/1999				
RS-09	5/5/1999				
RS-09	8/26/1999	195.63	7.46	188.17	
RS-09	11/10/1999	195.63	7.91	187.72	
RS-09	2/9/2000	195.63	6.09	189.54	
RS-09	6/30/2000	195.63	6.77	188.86	
RS-09	8/8/2000	195.63	7.32	188.31	
RS-09	11/16/2000	195.63	6.33	189.3	
RS-09	3/8/2001	195.63	4.93	190.7	
RS-09	5/31/2001	195.63	4.01	191.62	
RS-09	12/18/2001	195.63	4.81	190.82	
RS-09	2/19/2002	195.63	4.99	190.64	
RS-09	5/7/2002	195.63	6.08	189.55	
RS-09	8/6/2002	195.63	6.93	188.7	
RS-09	11/5/2002	195.63	7.53	188.1	
RS-09	12/12/2002	195.63	7.23	188.4	
RS-09	3/13/2003	195.63	5.73	189.9	
RS-09	5/6/2003	195.63	4.83	190.8	
RS-09	8/13/2003	195.63	8.24	187.39	
RS-09	11/20/2003	195.63	6.99	188.64	
RS-09	1/22/2004	195.63	5.43	190.2	
RS-09	3/30/2004	195.63	5.07	190.56	
RS-09	6/10/2004	195.63	6.18	189.45	
RS-09	9/28/2004	195.63	6.94	188.69	
RS-09	12/8/2004	195.63	4.42	191.21	
RS-09	3/23/2005	195.63	4.10	191.53	
RS-09	6/1/2005	195.63	5.12	190.51	
RS-09	9/21/2005	195.63	6.60	189.03	
RS-09	12/7/2005	195.63	5.92	189.71	
RS-09	3/28/2006	195.63	3.76	191.87	
RS-09	6/21/2006	195.63	5.40	190.23	
RS-09	9/13/2006	195.63	6.45	189.18	
RS-09	12/21/2006	195.63	5.82	189.81	
RS-09	3/12/2007	195.63	5.08	190.55	
RS-09	6/20/2007	195.63	6.67	188.96	
RS-09	9/26/2007	195.63	7.45	188.18	
RS-09	12/18/2007	195.63	6.05	189.58	
RS-09	3/12/2008	195.63	5.43	190.2	
RS-09	6/25/2008	195.63	7.03	188.6	
RS-09	9/17/2008	195.63	7.81	187.82	
RS-09	12/17/2008	195.63	6.87	188.76	
RS-09	3/31/2009	195.63	5.64	189.99	
RS-09	9/8/2009	195.63	7.45	188.18	
RS-09	3/24/2010	195.63	5.26	190.37	
RS-09	6/30/2010	195.63	6.17	189.46	
RS-09	9/16/2010	195.63	7.09	188.54	
RS-09	4/6/2011	195.63	4.72	190.91	
RS-09	4/27/2011	195.63	6.45	189.18	
RS-09	5/12/2011	195.63	7.00	188.63	
RS-09	6/29/2011	195.63	7.00	188.63	
RS-09	8/10/2011	195.63	7.52	188.11	
RS-09	8/31/2011	195.63	7.25	188.38	
RS-09	9/14/2011	195.63	7.93	187.7	
RS-09	12/15/2011	195.63	8.07	187.56	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(AMSL = Above mean sea level) WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-10	12/14/1989				
RS-10	09/04/96				
RS-10	12/11/96				
RS-10	2/21/97				
RS-10	5/28/97				
RS-10	9/2/1997				
RS-10	11/24/1997				
RS-10	2/25/1998				
RS-10	7/8/1998				
RS-10	9/16/1998				
RS-10	11/24/1998				
RS-10	2/23/1999				
RS-10	5/5/1999				
RS-10	8/26/1999	208.46	3.76	204.7	
RS-10	11/10/1999	208.46	3.83	204.63	
RS-10	2/9/2000	208.46	0.31	208.15	
RS-10	6/30/2000	208.46	2.22	206.24	
RS-10	8/8/2000	208.46	2.46	206	
RS-10	11/16/2000	208.46	2.46	206	
RS-10	3/8/2001	208.46	2.82	205.64	
RS-10	5/31/2001	208.46	4.93	203.53	
RS-10	12/18/2001	208.46	2.10	206.36	
RS-10	2/19/2002	208.46	2.29	206.17	
RS-10	5/7/2002	208.46	2.92	205.54	
RS-10	8/6/2002	208.46	4.11	204.35	
RS-10	11/5/2002	208.46	4.05	204.41	
RS-10	12/12/2002	208.46	6.81	201.65	
RS-10	3/13/2003	208.46	3.00	205.46	
RS-10	5/6/2003	208.46	2.55	205.91	
RS-10	8/13/2003	208.46	3.68	204.78	
RS-10	11/20/2003	208.46	4.45	204.01	
RS-10	1/22/2004	208.46			
RS-10	3/30/2004	208.46	3.05	205.41	
RS-10	6/10/2004	208.46	4.85	203.61	
RS-10	9/28/2004	208.46	6.75	201.71	
RS-10	12/8/2004	208.46	1.74	206.72	
RS-10	3/23/2005	208.46	1.85	206.61	
RS-10	6/1/2005	208.46	2.88	205.58	
RS-10	9/21/2005	208.46	4.35	204.11	
RS-10	12/7/2005	208.46	3.38	205.08	
RS-10	3/28/2006	208.46	1.75	206.71	
RS-10	6/21/2006	208.46	2.91	205.55	
RS-10	9/13/2006	208.46	4.18	204.28	
RS-10	12/21/2006	208.46	2.78	205.68	
RS-10	3/12/2007	208.46	2.80	205.66	
RS-10	6/20/2007	208.46	4.25	204.21	
RS-10	9/26/2007	208.46	4.38	204.08	
RS-10	12/18/2007	208.46	4.38	204.08	
RS-10	3/12/2008	208.46	2.97	205.49	
RS-10	6/25/2008	208.46	6.93	201.53	
RS-10	9/17/2008	208.46	6.97	201.49	
RS-10	12/17/2008	208.46	3.72	204.74	
RS-10	3/31/2009	208.46	3.05	205.41	
RS-10	9/8/2009	208.46	7.80	200.66	
RS-10	3/24/2010	208.46	2.92	205.54	
RS-10	6/30/2010	208.46			
RS-10	9/16/2010	208.46	5.78	202.68	
RS-10	4/6/2011	208.46	2.34	206.12	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
RS-10	4/27/2011	208.46	2.89	205.57	
RS-10	5/12/2011	208.46	3.10	205.36	
RS-10	6/29/2011	208.46	2.40	206.06	
RS-10	8/10/2011	208.46			
RS-10	8/31/2011	208.46	4.67	203.79	
RS-10	9/14/2011	208.46	5.97	202.49	
RS-10	12/15/2011	208.46	4.05	204.41	
R1	12/14/1989				
R1	09/04/96	227.69	15.00	212.69	
R1	12/11/96	227.69	10.30	217.39	
R1	2/21/97	227.69	11.88	215.81	
R1	5/28/97	227.69	14.03	213.66	
R1	9/2/1997	227.69	14.98	212.71	
R1	11/24/1997	227.69	14.06	213.63	
R1	2/25/1998	227.69	8.93	218.76	
R1	7/8/1998	227.69	11.36	216.33	
R1	9/16/1998	227.69	13.30	214.39	
R1	11/24/1998	227.69	10.72	216.97	
R1	2/23/1999	227.69	9.34	218.35	
R1	5/5/1999	227.69	11.30	216.39	
R1	8/26/1999	227.69	13.97	213.72	
R1	11/10/1999	227.69	13.73	213.96	
R1	2/9/2000	227.69	13.10	214.59	
R1	6/30/2000	227.69	13.42	214.27	
R1	8/8/2000	227.69	14.25	213.44	
R1	3/8/2001	227.69	13.72	213.97	
R1	3/8/2001	227.69	13.72	213.97	
R1	5/31/2001	227.69	15.77	211.92	
R1	12/18/2001	227.69	9.90	217.79	
R1	2/19/2002	227.69	10.86	216.83	
R1	5/7/2002	227.69	16.17	211.52	
R1	8/6/2002	227.69	16.83	210.86	
R1	11/5/2002	227.69	16.92	210.77	
R1	12/12/2002	227.69	16.94	210.75	
R1	3/13/2003	227.69	15.69	212	
R1	5/6/2003	227.69	10.75	216.94	
R1	8/13/2003	227.69	16.04	211.65	
R1	11/20/2003	227.69	dry		
R1	1/22/2004	227.69	14.40	213.29	
R1	3/30/2004	227.69	14.05	213.64	
R1	6/10/2004	227.69	15.85	211.84	
R1	9/28/2004	227.69	15.06	212.63	
R1	12/8/2004	227.69	9.70	217.99	
R1	3/23/2005	227.69	8.58	219.11	
R1	6/1/2005	227.69	13.30	214.39	
R1	9/21/2005	227.69	14.92	212.77	
R1	12/7/2005	227.69	15.50	212.19	
R1	3/28/2006	227.69	8.82	218.87	
R1	6/21/2006	227.69	11.35	216.34	
R1	9/13/2006	227.69	13.55	214.14	
R1	12/21/2006	227.69	14.35	213.34	
R1	3/12/2007	227.69	11.76	215.93	
R1	6/20/2007	227.69	13.48	214.21	
R1	9/26/2007	227.69	15.08	212.61	
R1	12/18/2007	227.69	15.25	212.44	
R1	3/12/2008	227.69	12.62	215.07	
R1	6/25/2008	227.69	15.92	211.77	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
R1	9/17/2008	227.69	nm water in casing shoe		
R1	12/17/2008	227.69	nm water in casing shoe		
R1	3/31/2009	227.69	12.85	214.84	
R1	9/8/2009	227.69	15.60	212.09	
R1	3/24/2010	227.69	12.40	215.29	
R1	6/30/2010	227.69	14.03	213.66	
R1	9/16/2010	227.69	14.56	213.13	
R1	4/6/2011	227.69	9.90	217.79	
R1	4/27/2011	227.69	13.90	213.79	
R1	5/12/2011	227.69	14.32	213.37	
R1	6/29/2011	227.69	14.52	213.17	
R1	8/10/2011	227.69	15.05	212.64	
R1	8/31/2011	227.69	14.72	212.97	
R1	9/14/2011	227.69	14.95	212.74	
R1	12/15/2011	227.69	16.25	211.44	
R2	12/14/1989				
R2	09/04/96	230.68	13.44	217.24	
R2	12/11/96	230.68	12.42	218.26	
R2	2/21/97	230.68	10.50	220.18	
R2	5/28/97	230.68	13.10	217.58	
R2	9/2/1997	230.68	14.16	216.52	
R2	11/24/1997	230.68	14.71	215.97	
R2	2/25/1998	230.68	7.39	223.29	
R2	7/8/1998	230.68	11.27	219.41	
R2	9/16/1998	230.68	13.73	216.95	
R2	11/24/1998	230.68	11.67	219.01	
R2	2/23/1999	230.68	7.55	223.13	
R2	5/5/1999	230.68	10.89	219.79	
R2	8/26/1999	227.28	13.14	214.14	
R2	11/10/1999	227.28	14.42	212.86	
R2	2/9/2000	227.28	12.45	214.83	
R2	6/30/2000	227.28	12.94	214.34	
R2	8/8/2000	227.28	13.58	213.7	
R2	11/16/2000	227.28	14.33	212.95	
R2	3/8/2001	227.28	11.15	216.13	
R2	5/31/2001	227.28	13.38	213.9	
R2	12/18/2001	227.28	12.35	214.93	
R2	2/19/2002	227.28	11.32	215.96	
R2	5/7/2002	227.28	13.15	214.13	
R2	8/6/2002	227.28	14.51	212.77	
R2	11/5/2002	227.28	15.46	211.82	
R2	12/12/2002	227.28	15.70	211.58	
R2	3/13/2003	227.28	12.96	214.32	
R2	5/6/2003	227.28	11.14	216.14	
R2	8/13/2003	227.28	14.01	213.27	
R2	11/20/2003	227.28	15.35	211.93	
R2	1/22/2004	227.28	12.10	215.18	
R2	3/30/2004	227.28	11.48	215.8	
R2	6/10/2004	227.28	13.95	213.33	
R2	9/28/2004	227.28	14.80	212.48	
R2	12/8/2004	227.28	12.25	215.03	
R2	3/23/2005	227.28	7.82	219.46	
R2	6/1/2005	227.28	12.14	215.14	
R2	9/21/2005	227.28	13.97	213.31	
R2	12/7/2005	227.28	14.51	212.77	
R2	3/28/2006	227.28	7.30	219.98	
R2	6/21/2006	227.28	11.90	215.38	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
R2	9/13/2006	227.28	13.66	213.62	
R2	12/21/2006	227.28	14.43	212.85	
R2	3/12/2007	227.28	12.37	214.91	
R2	6/20/2007	227.28	14.08	213.2	
R2	9/26/2007	227.28	15.41	211.87	
R2	12/18/2007	227.28	15.87	211.41	
R2	3/12/2008	227.28	11.45	215.83	
R2	6/25/2008	227.28	14.98	212.3	
R2	9/17/2008	227.28	16.03	211.25	
R2	12/17/2008	227.28	nm water in casing shoe		
R2	3/31/2009	227.28	11.42	215.86	
R2	9/8/2009	227.28	15.50	211.78	
R2	3/24/2010	227.28	11.10	216.18	
R2	6/30/2010	227.28	13.30	213.98	
R2	9/16/2010	227.28	14.28	213	
R2	4/6/2011	227.28	9.15	218.13	
R2	4/27/2011	227.28	11.03	216.25	
R2	5/12/2011	227.28	11.90	215.38	
R2	6/29/2011	227.28	13.12	214.16	
R2	8/10/2011	227.28	13.70	213.58	
R2	8/31/2011	227.28	13.93	213.35	
R2	9/14/2011	227.28	14.15	213.13	
R2	12/15/2011	227.28	15.46	211.82	
R3	12/14/1989				
R3	09/04/96	230.32	9.90	220.42	
R3	12/11/96	230.32	8.18	222.14	
R3	2/21/97	230.32	6.76	223.56	
R3	5/28/97	230.32	9.98	220.34	
R3	9/2/1997	230.32	10.86	219.46	
R3	11/24/1997	230.32	11.20	219.12	
R3	2/25/1998	230.32	3.42	226.9	
R3	7/8/1998	230.32	8.78	221.54	
R3	9/16/1998	230.32	10.38	219.94	
R3	11/24/1998	230.32	11.12	219.2	
R3	2/23/1999	230.32	3.95	226.37	
R3	5/5/1999	230.32	7.58	222.74	
R3	8/26/1999	227.25	10.76	216.49	
R3	11/10/1999	227.25	11.09	216.16	
R3	2/9/2000	227.25	8.76	218.49	
R3	6/30/2000	227.25	9.67	217.58	
R3	8/8/2000	227.25	10.44	216.81	
R3	11/16/2000	227.25	10.26	216.99	
R3	3/8/2001	227.25	6.54	220.71	
R3	5/31/2001	227.25	10.01	217.24	
R3	12/18/2001	227.25	6.79	220.46	
R3	2/19/2002	227.25	7.86	219.39	
R3	5/7/2002	227.25	9.20	218.05	
R3	8/6/2002	227.25	10.62	216.63	
R3	11/5/2002	227.25	11.07	216.18	
R3	12/12/2002	227.25	11.28	215.97	
R3	3/13/2003	227.25	8.69	218.56	
R3	5/6/2003	227.25	8.02	219.23	
R3	8/13/2003	227.25	dry		DRY
R3	11/20/2003	227.25	dry		DRY
R3	1/22/2004	227.25	7.30	219.95	
R3	3/30/2004	227.25	7.85	219.4	
R3	6/10/2004	227.25	10.30	216.95	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
R3	9/28/2004	227.25	dry		DRY
R3	12/8/2004	227.25	9.00	218.25	
R3	3/23/2005	227.25	4.90	222.35	
R3	6/1/2005	227.25	8.60	218.65	
R3	9/21/2005	227.25	10.80	216.45	
R3	12/7/2005	227.25	11.12	216.13	
R3	3/28/2006	227.25	3.72	223.53	
R3	6/21/2006	227.25	8.82	218.43	
R3	9/13/2006	227.25	10.52	216.73	
R3	12/21/2006	227.25	9.97	217.28	
R3	3/12/2007	227.25	7.45	219.8	
R3	6/20/2007	227.25	10.43	216.82	
R3	9/26/2007	227.25	nm water in casing shoe		
R3	12/18/2007	227.25	nm water in casing shoe		
R3	3/12/2008	227.25	7.93	219.32	
R3	6/25/2008	227.25	10.87	216.38	
R3	9/17/2008	227.25	nm water in casing shoe		
R3	12/17/2008	227.25	nm water in casing shoe		
R3	3/31/2009	227.25	7.27	219.98	
R3	9/8/2009	227.25	10.95	216.3	
R3	3/24/2010	227.25	7.22	220.03	
R3	6/30/2010	227.25	9.95	217.3	
R3	9/16/2010	227.25	10.95	216.3	
R3	4/6/2011	227.25	5.50	221.75	
R3	4/27/2011	227.25	7.70	219.55	
R3	5/12/2011	227.25	8.63	218.62	
R3	6/29/2011	227.25	9.40	217.85	
R3	8/10/2011	227.25	10.55	216.7	
R3	8/31/2011	227.25	10.78	216.47	
R3	9/14/2011	227.25	10.94	216.31	
R3	12/15/2011	227.25	11.38	215.87	
T 1	12/14/1989				
T 1	09/04/96				
T 1	12/11/96				
T 1	2/21/97				
T 1	5/28/97				
T 1	9/2/1997				
T 1	11/24/1997				
T 1	2/25/1998				
T 1	7/8/1998				
T 1	9/16/1998				
T 1	11/24/1998				
T 1	2/23/1999				
T 1	5/5/1999				
T 1	8/26/1999	195.11	2.44	192.67	
T 1	11/10/1999	195.11	2.23	192.88	
T 1	2/9/2000	195.11	2.22	192.89	
T 1	6/30/2000	195.11	2.22	192.89	
T 1	8/8/2000	195.11	2.73	192.38	
T 1	11/16/2000	195.11	2.72	192.39	
T 1	3/8/2001	195.11	2.12	192.99	
T 1	5/31/2001	195.11	2.30	192.81	
T 1	12/18/2001	195.11	2.20	192.91	
T 1	2/19/2002	195.11	1.96	193.15	
T 1	5/7/2002	195.11	2.22	192.89	
T 1	8/6/2002	195.11	2.32	192.79	
T 1	11/5/2002	195.11	2.52	192.59	

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
T 1	12/12/2002	195.11	2.55	192.56	
T 1	3/13/2003	195.11	2.23	192.88	
T 1	5/6/2003	195.11	2.37	192.74	
T 1	8/13/2003	195.11	2.41	192.7	
T 1	11/20/2003	195.11	2.50	192.61	
T 1	1/22/2004	195.11			
T 1	3/30/2004	195.11			
T 1	6/10/2004	195.11	2.40	192.71	
T 1	9/28/2004	195.11	2.52	192.59	
T 1	12/8/2004	195.11	1.96	193.15	
T 1	3/23/2005	195.11	car		
T 1	6/1/2005	195.11	2.25	192.86	
T 1	9/21/2005	195.11	2.42	192.69	
T 1	12/7/2005	195.11	2.26	192.85	
T 1	3/28/2006	195.11	car		
T 1	6/21/2006	195.11	2.48	192.63	
T 1	9/13/2006	195.11	2.43	192.68	
T 1	12/21/2006	195.11	2.28	192.83	
T 1	3/12/2007	195.11	2.24	192.87	
T 1	6/20/2007	195.11	2.47	192.64	
T 1	9/26/2007	195.11	2.52	192.59	
T 1	12/18/2007	195.11	1.75	193.36	
T 1	3/12/2008	195.11	2.23	192.88	
T 1	6/25/2008	195.11	2.55	192.56	
T 1	9/17/2008	195.11	3.12	191.99	
T 1	12/17/2008	195.11	2.32	192.79	
T 1	3/31/2009	195.11	2.32	192.79	
T 1	9/8/2009	195.11	2.90	192.21	
T 1	3/24/2010	195.11	2.25	192.86	
T 1	6/30/2010	195.11			
T 1	9/16/2010	195.11	2.34	192.77	
T 1	4/6/2011	195.11	2.00	193.11	
T 1	4/27/2011	195.11	12.50	182.61	
T 1	5/12/2011	195.11	12.50	182.61	
T 1	6/29/2011	195.11	8.08	187.03	
T 1	8/10/2011	195.11	10.30	184.81	
T 1	8/31/2011	195.11	4.97	190.14	
T 1	9/14/2011	195.11	12.00	183.11	
T 1	12/15/2011	195.11	11.96	183.15	
T 2	1/22/2004	195.3	2.54	192.76	
T 2	3/30/2004	195.3	2.50	192.8	
T 2	6/10/2004	195.3	2.60	192.7	
T 2	9/28/2004	195.3	car		
T 2	12/8/2004	195.3	2.04	193.26	
T 2	3/23/2005	195.3	car		
T 2	6/1/2005	195.3	car		
T 2	9/21/2005	195.3	car		
T 2	12/7/2005	195.3	car		
T 2	3/28/2006	195.3	2.00	193.3	
T 2	6/21/2006	195.3	car		
T 2	9/13/2006	195.3	car		
T 2	12/21/2006	195.3	car		
T 2	3/12/2007	195.3	car		
T 2	6/20/2007	195.3	car		
T 2	9/26/2007	195.3	car		
T 2	12/18/2007	195.3	car		
T 2	3/12/2008	195.3	car		

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
T 2	6/25/2008	195.3	car		
T 2	9/17/2008	195.3	car		
T 2	12/17/2008	195.3	car		
T 2	3/31/2009	195.3	car		
T 2	9/8/2009	195.3	car		
T 2	3/24/2010	195.3	car		
T 2	6/30/2010	195.3	car		
T 2	9/16/2010	195.3	car		
T 2	4/6/2011	195.3	car		
T 2	4/27/2011	195.3	11.00	184.3	
T 2	5/12/2011	195.3	10.98	184.32	
T 2	6/29/2011	195.3	8.18	187.12	
T 2	8/10/2011	195.3	10.45	184.85	
T 2	8/31/2011	195.3	5.11	190.19	
T 2	9/14/2011	195.3	10.97	184.33	
T 2	9/15/2011	195.3	10.92	184.38	
T 3	1/22/2004	202.38			
T 3	6/10/2004	202.38	9.80	192.58	
T 3	9/28/2004	202.38	9.90	192.48	
T 3	12/8/2004	202.38	9.24	193.14	
T 3	3/23/2005	202.38	car		
T 3	6/1/2005	202.38	car		
T 3	9/21/2005	202.38	car		
T 3	12/7/2005	202.38	car		
T 3	3/28/2006	202.38	car		
T 3	6/21/2006	202.38	car		
T 3	9/13/2006	202.38	car		
T 3	12/21/2006	202.38	car		
T 3	3/12/2007	202.38	car		
T 3	6/20/2007	202.38	car		
T 3	9/26/2007	202.38	car		
T 3	12/18/2007	202.38	car		
T 3	3/12/2008	202.38	car		
T 3	6/25/2008	202.38	car		
T 3	9/17/2008	202.38	car		
T 3	12/17/2008	202.38	car		
T 3	3/31/2009	202.38	car		
T 3	9/8/2009	202.38	car		
T 3	3/24/2010	202.38	car		
T 3	6/30/2010	202.38	car		
T 3	9/16/2010	202.38	car		
T 3	4/6/2011	202.38	car		
T 3	4/27/2011	202.38	car		
T 3	5/12/2011	202.38	11.30	191.08	
T 3	6/29/2011	202.38	11.20	191.18	
T 3	8/10/2011	202.38			
T 3	8/31/2011	202.38	11.27	191.11	
T 3	9/14/2011	202.38	11.37	191.01	
T 3	12/15/2011	202.38	car		
T4	1/22/2004	197.48	4.70	192.78	
T4	3/30/2004	197.48	4.66	192.82	
T4	6/10/2004	197.48	4.76	192.72	
T4	9/28/2004	197.48	4.86	192.62	
T4	12/8/2004	197.48	4.21	193.27	
T4	3/23/2005	197.48	4.35	193.13	
T4	6/1/2005	197.48	car		

TABLE 1
GROUNDWATER ELEVATIONS
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	free phase prod.
		(AMSL = Above mean sea level)			
(CALIFORNIA PUBLIC HEALTH GOAL)					ft
T4	9/21/2005	197.48	car		
T4	12/7/2005	197.48	car		
T4	3/28/2006	197.48	car		
T4	6/21/2006	197.48	car		
T4	9/13/2006	197.48	car		
T4	12/21/2006	197.48	car		
T4	3/12/2007	197.48	car		
T4	6/20/2007	197.48	car		
T4	9/26/2007	197.48	car		
T4	12/18/2007	197.48	car		
T4	3/12/2008	197.48	car		
T4	6/25/2008	197.48	car		
T4	9/17/2008	197.48	car		
T4	12/17/2008	197.48	car		
T4	3/31/2009	197.48	car		
T4	9/8/2009	197.48	car		
T4	3/24/2010	197.48	car		
T4	6/30/2010	197.48	car		
T4	9/16/2010	197.48	car		
T4	4/6/2011	197.48	car		
T4	4/27/2011	197.48	car		
T4	5/12/2011	197.48	car		
T4	6/29/2011	197.48	car		
T4	8/10/2011	197.48	car		
T4	8/31/2011	197.48	car		
T4	9/14/2011	197.48	car		
T4	12/15/2011	197.48	car		
LF 1	1/22/2004	226.59	29.12	197.47	
LF 1	3/30/2004	226.59	26.45	200.14	
LF 1	6/10/2004	226.59	27.57	199.02	
LF 1	9/28/2004	226.59	28.72	197.87	
LF 1	12/8/2004	226.59	car		
LF 1	3/23/2005	226.59	car		
LF 1	6/1/2005	226.59	car		
LF 1	9/21/2005	226.59	car		
LF 1	12/7/2005	226.59	26.67	199.92	
LF 1	3/28/2006	226.59	25.25	201.34	
LF 1	6/21/2006	226.59	23.05	203.54	
LF 1	9/13/2006	226.59	29.23	197.36	
LF 1	12/21/2006	226.59	32.12	194.47	
LF 1	3/12/2007	226.59	31.47	195.12	
LF 1	6/20/2007	226.59	32.72	193.87	
LF 1	9/26/2007	226.59	31.82	194.77	
LF 1	12/18/2007	226.59			car
LF 1	3/12/2008	226.59	32.06	194.53	
LF 1	6/25/2008	226.59	well is no longer there		

nm not measured

TABLE 2
GROUNDWATER REMOVAL
FORMER DP #793
4035 PARK BLVD., OAKLAND, CALIFORNIA

Date	Meter Reading in Gallons RS5	Meter Reading in Gallons T1	Depth to top water in feet T1	Depth to top water in feet RS05	Gallons Purged 1/4ly samples	Accumulated gallons removed from T1 & wells in Gallons	Accumulated gallons removed from RS5 Gallons	Total Gallons Removed wells	pump rate gallons/ minute RS5/EX	pump rate gallons/ minute T1/T2	INFLUENT CONCENTRATIONS EPA METHOD 8020 - 8260**B** TPHg ug/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	Sample Location	Date Sampled
							0											
New discharge permit with continueous pumping T1 and RS5/excavation well																		
	meter# 52122813.0	meter # 52122836.0																
3/30/2011	1.0	1.0			0	93583	1621019.3	1714602.7			conncected pumps, carbons and filters, no pumping, start-up 4/6/2011							
4/6/2011	4.8	137.0	2	12.62	65	93784	1621023.1	1714807.3	0.0	0.0	41000	12000	3000	1200	3300	30	T1	4/6/2011
4/10/2011	6146.2	7063.8				100711	1627164.5	1727875.5	1.1	1.2	4800	100	31	200	370	<0.9	RS5	4/6/2011
4/13/2011	6171.5	7135.0				100782	1627189.8	1727972.0	0.0	0.0	restart system							
4/20/2011	12537.0	16587.5				110235	1633555.3	1743790.0	0.6	0.9								
4/27/2011	21394.0	24802.0	11	28.7		118449	1642412.3	1760861.5	0.9	0.8								
5/4/2011	29362.0	31025.0	10.96	22.9		124672	1650380.3	1775052.5	0.8	0.6								
5/12/2011	37504.0	36838.0	10.98	29.4		130485	1658522.3	1789007.5	0.7	0.5								
5/19/2011	44813.0	36848.0	3.4	27.2		130495	1665831.3	1796326.5	0.7	0.0	increase pumpage from T1							
5/26/2011	49334.0	45685.0	11	20.12		139332	1670352.3	1809684.5	0.6	0.4								
6/8/2011	56383.0	56453.0	7.5	18.95		150100	1677401.3	1827501.5	0.4	0.7								
6/22/2011	66933.0	66344.5	8.7	21		159992	1687951.3	1847943.0	0.5	0.5	3500	500	300	65	520	2.8	T1	6/29/2011
6/29/2011	70928.5	71396.5	8.08	20.22		165044	1691946.8	1856990.5	0.5	0.5	1600	99	55	11	130	1.3	RS5	6/29/2011
7/14/2011	77761.0	81449.0	10.92	18.5		175096	1698779.3	1873875.5	0.3	0.5								
7/28/2011	84613.0	88197.0	12.5	21.75		181844	1705631.3	1887475.5	0.3	0.4								
8/10/2011	88284.0	94011.5	10.3	17.85		187659	1709302.3	1896961.0	0.3	0.3								
8/24/2011	92163.0	100769.0	10.3	17.85		194416	1713181.3	1907597.5	0.2	0.3	electrical power off to compound, call PG&E							
8/31/2011	92163.0	100769.0	4.97	16.1		194416	1713181.3	1907597.5	0.0	0.0	turn pumps back on after power restored.							
9/8/2011	94360.0	106875.0	10.96	32.7		200522	1715378.3	1915900.5	0.2	0.5								
9/14/2011	96014.0	109744.0	4.97	16.1		203391	1717032.3	1920423.5	0.2	0.3	1200	10	5.7	8.6	85	<0.5	T1	9/14/2011
9/23/2011	98327.5	113700.0	11.4	19		207347	1719345.8	1926693.0	0.2	0.3	1200	7.6	4.7	6.6	74	<0.5	RS5	9/14/2011
10/5/2011	101417.0	119364.0				213011	1722435.3	1935446.5	0.2	0.3	turn off pumps, need to repalce #1 carbon lid and influent manifold							
10/12/2011	101417.0	119364.0	3.92	16.92		213011	1722435.3	1935446.5	0.0	0.0	replace manifold and new lid for carbon #1, turn pumps on							
											1100	200	30	8.5	100	1.4	T1	10/12/2011
											400	4.8	1.2	0.58	17	<0.5	RS5	10/12/2011
10/27/2011	105365.0	130289.0	12	18.85		223936	1726383.3	1950319.5	0.1	0.3								
11/17/2011	110579.0	139028.0	6.9	19.25		232675	1731597.3	1964272.5	0.2	0.3	1100	89	12	3.1	69	4.4	T1	11/17/2011
12/1/2011	114037.0	147784.0	11.8	19.4		241431	1735055.3	1976486.5	0.2	0.3	3000	460	120	21	220	4.4	RS5	11/17/2011

TABLE 2
GROUNDWATER REMOVAL
FORMER DP #793
4035 PARK BLVD., OAKLAND, CALIFORNIA

Date	Meter Reading in Gallons RS5	Meter Reading in Gallons T1	Depth to top water in feet T1	Depth to top water in feet RS05	Gallons Purged 1/4ly samples	Accumulated gallons removed from T1 & wells in Gallons	Accumulated gallons removed from RS5 Gallons	Total Gallons Removed wells	pump rate gallons/ minute RS5/EX	pump rate gallons/ minute T1/T2	INFLUENT CONCENTRATIONS EPA METHOD 8020 - 8260**B** TPHg ug/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	Sample Location	Date Sampled
						0												
12/15/2011	117437.0	153836.0	11.96	20.2		247483	1738455.3	1985938.5	0.2	0.4								
12/30/2011	120923.0	159833.0	12	20		253480	1741941.3	1995421.5	0.2	0.3								

ug/L micrograms per liter (parts per billion)
mg/L milligrams per liter (parts per million)
WESTERN GEO-ENGINEERS

< BELOW LABORATORY LOWER DETECTION LIMITS
mg/Kg milligrams per kilogram (parts per million)
TPHg TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE
MTBE METHYL TERTIARY BUTYL ETHER

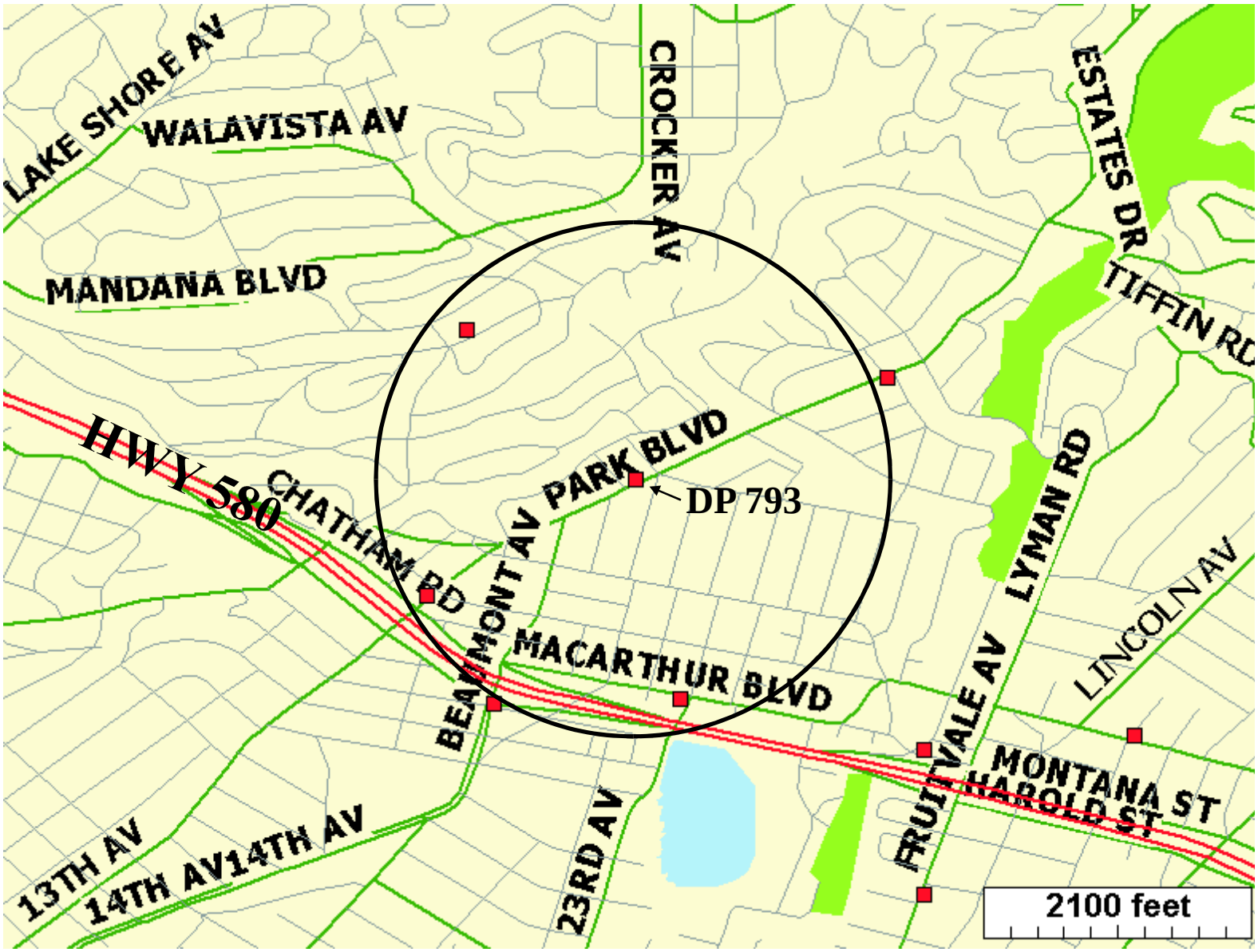
* SAMPLED ON AUGUST 26, 1999
T1 Receptor Trench Well
RS5 Monitor Well RS5 (pumping well)

TABLE 3
CARBON INFLUENT (TPHg removed)

Desert Petroleum DP 793
4035 Park Blvd., Oakland, CA

Date	Time	Meter Reading	Gallons Discharged Between Readings	Gallons pumped other sources	Cumulitive Gallons pumped	Method 8260 TPHg	TPHg REMOVED	TPHg accumulative	Benzene	Toluene	Ethyl-benzene	Xylenes	MtBE
						mg/L	gallons	gallons	ug/L	ug/L	ug/L	ug/L	ug/L
9/7/2006	12.00	2198734.0	16403	0	1006695	0.24	0.01	12.48	11	3.2	1.2	11	0.085
12/28/2006	12.00	2240156.7	41422.7	0	1048117.7	4.8	0.14	12.62	140	120	130	440	0.078
3/29/2007	12.00	2286519.5	46362.8	0	1094480.5	4.3	0.28	12.90	160	130	110	600	1.5
6/20/2007	12.00	2340026.5	53507	51	1147987.5	0.16	0.16	13.06	7.5	3	2.2	13	0.058
9/26/2007	12.00	2390013.5	49987	63	1197974.5	2.3	0.08	13.14	80	57	19	350	0.059
12/18/2007	12.00	2412728.5	22715	13	1220689.5	0.57	0.04	13.18	15	6.8	7.8	42	<0.5
3/12/2008	12.00	2424303.0	11574.5	0	1232264	4.6	0.04	13.22	330	110	98	440	1.9
6/25/2008	12.00	2488868.5	64565.5	85	1296829.5	0.074	0.20	13.42	3.7	<0.5	0.05	2	0.7
9/5/2008	12.00	2524336.5	35468	0	1332297.5	0.28	0.01	13.43	4.4	1.5	0.55	18	<0.5
12/17/2008	12.00	2560523.5	36187	0	1368484.5	0.45	0.02	13.45	2.3	1.2	1.8	13	<0.5
3/31/2009	12.00	2606106.5	45583	51	1414067.5	0.8	0.04	13.49	120	14	2	54	2.7
9/8/2009	12.00	2662647.5	56541	24	1470608.5	1.1	0.07	13.56	6.3	1	3.9	24	1.4
3/24/2010	12.00	2768886.5	106239	55	1576847.5	1.7	0.20	13.76	200	29	10	110	2.6
6/30/2010	12.00	2808417.9	39531.4	0	1616378.9	0.28	0.05	13.81	6.3	1.1	<0.5	19	<0.5
9/16/2010	12.00	2808417.9	0	0	1616378.9	8.4	0.00	13.81	110	31	180	640	<0.5
	New meter for RS5												
		52122813.0											
3/30/2011		1.0			1616378.9			13.81					
4/6/2011		4.8	3.8		1616382.7	4.8	0.00	13.81	100	31	200	370	<0.9
6/29/2011		70928.5	70923.7		1687306.4	1.6	0.30	14.11	99	55	11	130	1.3
9/14/2011		96014.0	25085.5		1712391.9	1.2	0.05	14.16	7.6	4.7	6.6	74	<0.5
10/12/2011		101423.0	5409		1717800.9	0.4	0.01	14.17	4.8	1.2	0.58	17	<0.5
11/17/2011		110579.0	9156		1726956.9	3	0.02	14.19	460	120	21	220	4.4
	New meter for T1/T2				gallons pump								
		52122836.0			T1/T2								
3/30/2011		1.0			0								
4/6/2011		4.8	3.8		3.8	41	0.00	0.00	12000	3000	1200	3300	30
6/29/2011		71396.5	71391.7		71395.5	3.5	2.12	2.12	500	300	65	520	2.8
9/14/2011		109744.0	38347.5		109743	1.2	0.12	2.24	10	5.7	8.6	85	<0.5
10/12/2011		119364.0	9620		119363	1.1	0.01	2.25	200	30	8.5	100	1.4
11/17/2011		139028.0	19664		139027	1.1	0.03	2.28	89	12	3.1	69	4.4

< LESS THAN LABORATORY LOWER DETECTION LIMITS



N
W E
S

LUST SITES

WELLS

FIGURE 1
GEOTRACKER
AREA WELL & LUST MAP
DP 793
4035 PARK BLVD.
OAKLAND, CA

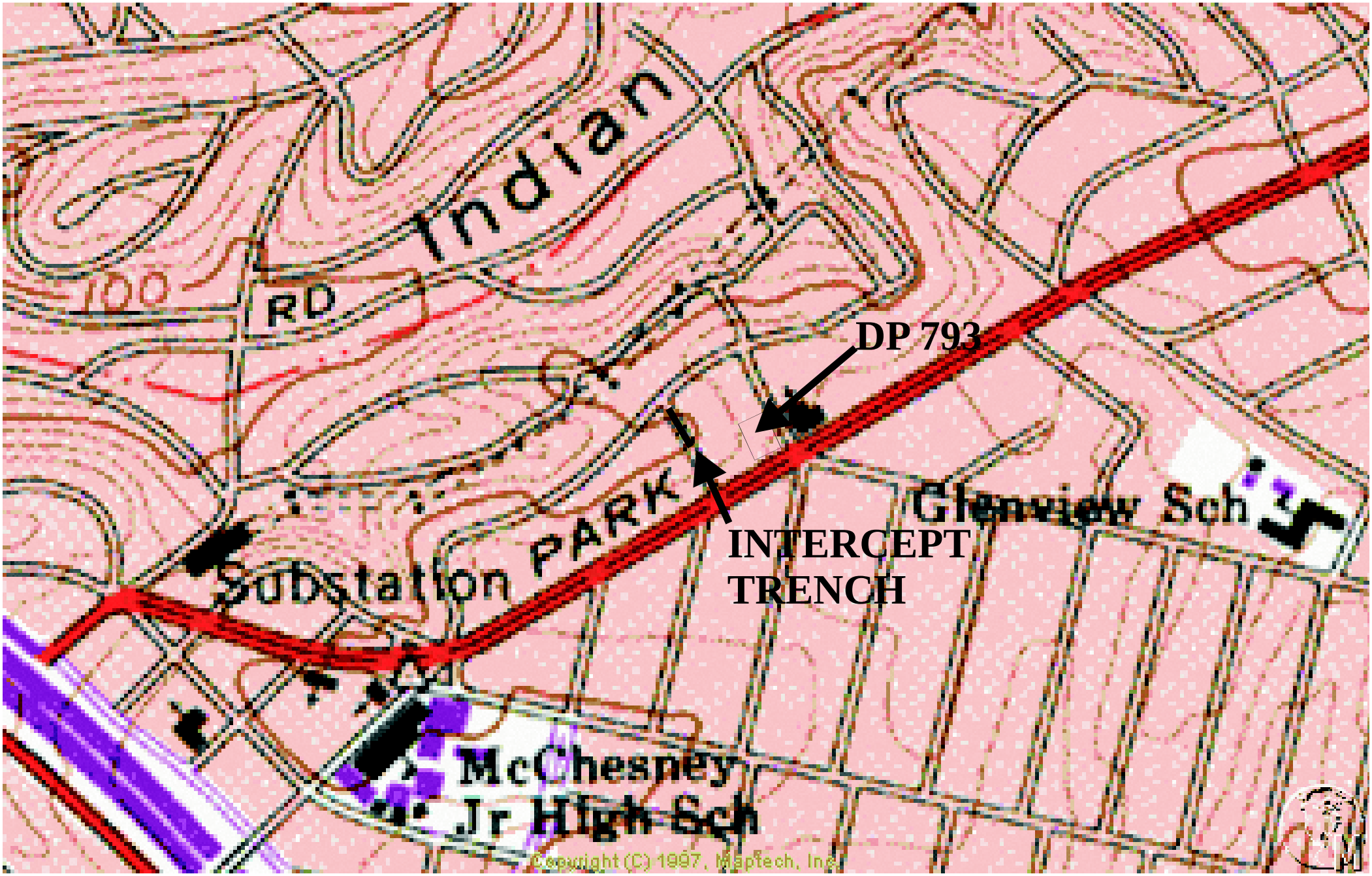


FIGURE 2
PORTION OF OAKLAND EAST 7.5 MINUTE USGS TOPOGRAPHIC MAP

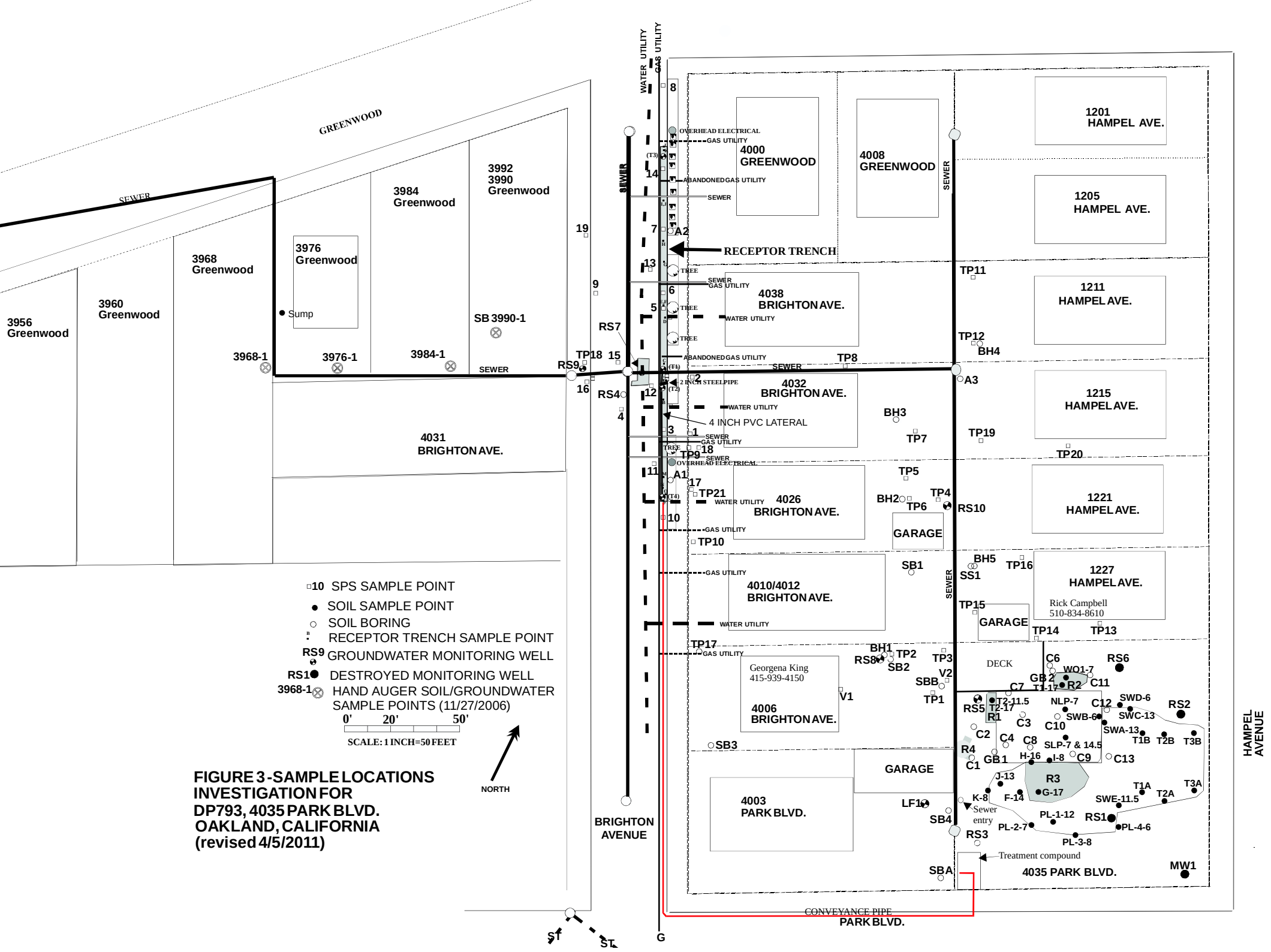


FIGURE 3 - SAMPLE LOCATIONS INVESTIGATION FOR DP793, 4035 PARK BLVD. OAKLAND, CALIFORNIA (revised 4/5/2011)

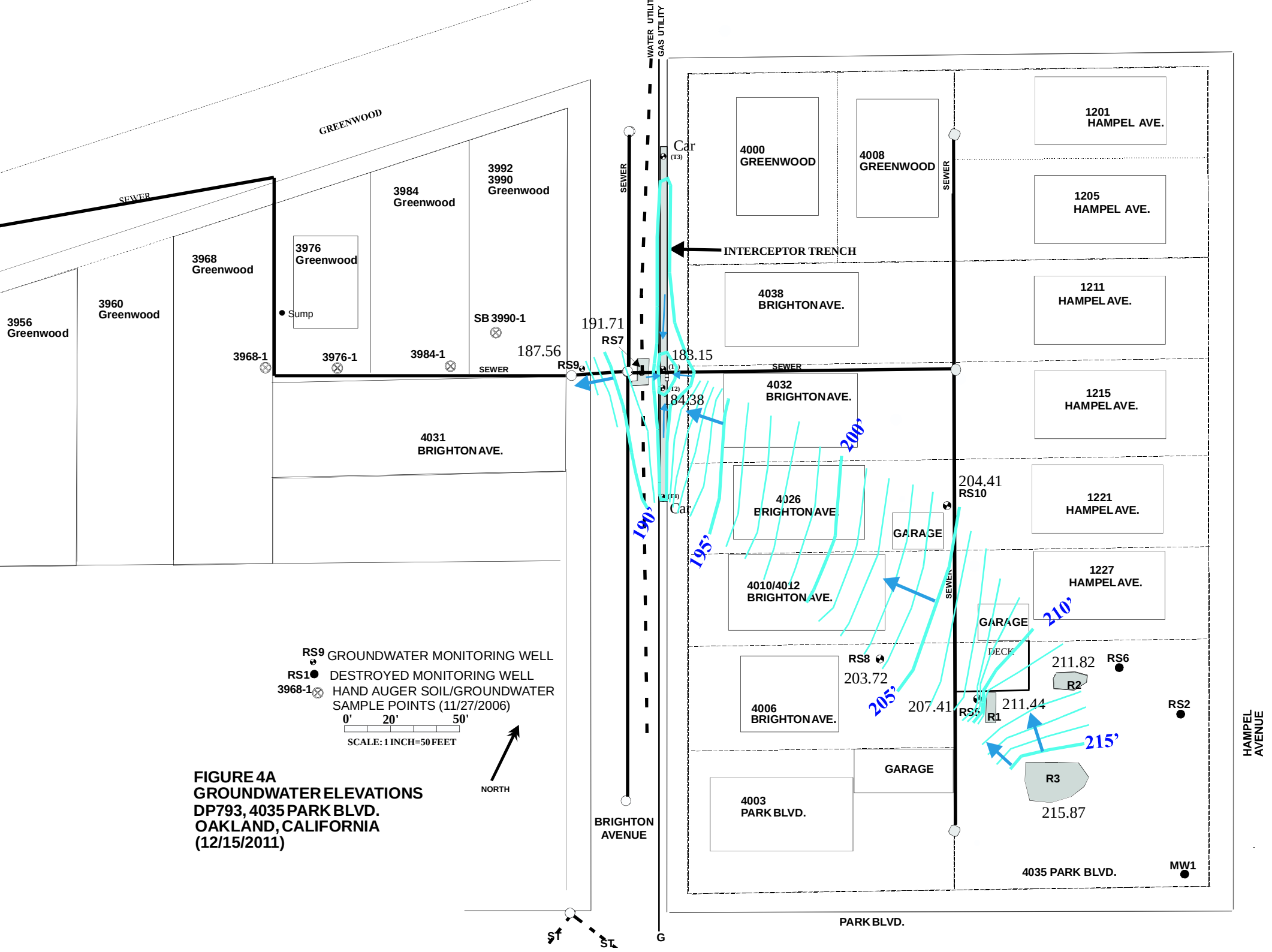


FIGURE 4A
GROUNDWATER ELEVATIONS
DP793, 4035 PARK BLVD.
OAKLAND, CALIFORNIA
(12/15/2011)

APPENDIX A.

METHODS AND PROCEDURES, QA/QC

This Appendix documents the specific methods, procedures, and materials used to collect and analyze ground water samples.

Gauging and Measuring Monitor Wells.

Prior to sampling a well, WEGE personnel obtain two measurements: the depth to ground water and the product thickness using a battery powered depth to water-product interface probe and or by using a specially designed bailer. The probe is lowered into the well casing until the instrument signals that the top of water has been reached. The distance from the top of water to the top of casing is read from the tape calibrated in 0.01 foot intervals for accuracy to 0.01 foot that is attached to the probe. The measured distance is subtracted from the established elevation at the top of casing to determine the elevation of ground water with respect to mean sea level. If floating product is encountered, the probe gives a continuous signal; once water is encountered the probe gives an alternating signal.

The probe is washed with LiquidNox/water solution and rinsed in distilled water before each measurement. WEGE has designed and built bailers that will collect a sample of the contents of a well to show the exact thickness of any floating product.

Purging Standing Water from Monitor Wells

If no product is present, WEGE personnel purge the well. This is accomplished by removing ground water from the well until the water quality parameters (temperature, pH, and conductivity) stabilize, or until the well is emptied of water. Periodic measurements of ground water temperature, pH, and conductivity were taken with a Hydac Monitor or other meter and recorded along with the volume of ground water removed from the well. Purging is done by one or more methods singularly or in combination. Bailers, pneumatic or electric sample pumps, or vacuum pump tanks or trucks may be used. The usual amount of water removed is three well volumes. The water collected during purging is either safely stored onsite for later disposition, transported to an approved onsite or offsite sewer discharge system, or an approved onsite or offsite treatment system.

Collection of Water Sample for Analysis After Purging Well

The well is allowed to recover after purging and a ground water sample is collected. A fresh bailer is used to collect enough water for the requirements of the laboratory for the analyses needed or required. The water samples are decanted from the bailer into the appropriate number and size containers. These containers are furnished pre-cleaned to exact EPA protocols, with and without preservatives added, by the analytical laboratory or a chemical supply company. The bottles are filled, with no headspace, and then capped with plastic caps with teflon liners.

The vials or bottles containing the ground water samples are labeled with site name, station, date, time, sampler, and analyses to be performed, and documented on a chain of custody form. They were placed in ziplock bags and stored in a chest cooled to 4ºC with ice. The preserved samples are chain of custody delivered to the chosen laboratory.

Collection of Water Sample for Analysis From Pumping Well

Wells that are being utilized for groundwater recovery are sampled after approximately 3 well volumes have been observed pumped from the well. pH, Temperature and Conductivity readings are obtained from the water being pumped from the well. The water samples are collected from the sample port of the well or prior to the first water carbon and slowly fill the appropriate number and size containers. These containers are furnished pre-cleaned to exact EPA protocols, with and without preservatives added, by the analytical laboratory or a chemical supply company. The bottles are filled, with no headspace, and then capped with plastic caps with teflon liners.

The vials or bottles containing the ground water samples are labeled with site name, station, date, time, sampler, and analyses to be performed, and documented on a chain of custody form. They were placed in ziplock bags and stored in a chest cooled to 4ºC with ice. The preserved samples are chain of custody delivered to the chosen laboratory.

Analytical Results

TPH is the abbreviations used for Total Petroleum Hydrocarbons used by the laboratories for water and soil analyses. The letter following TPH indicates a particular distinction or grouping for the results. The letters "g", "d", "k", or "o" indicates gasoline, diesel, kerosene, or oil, respectively, ie. TPH-d for diesel range TPH.

BTEX or MTBE are acronyms or abbreviations used for Benzene, Toluene, Ethylbenzene and all of the Xylenes (BTEX) and Methyl Tertiary Butyl Ether (MTBE), respectively.

MBTEX is the designation for the combination of the above five compounds.

The less than symbol, <, used with a "parts per value" indicates the lower detection limit for a given analytical result and the level, if present, of that particular analyte is below or less than that lower detection limit.

Other abbreviations commonly used are ppm, ppb, mg/Kg, ug/Kg, ml/l and ul/l are parts per million, parts per billion, milligrams per kilogram, micrograms per kilogram, milliliters per liter, microliters per liter, respectively.

Chain of Custody Documentation

All water samples that are collected by WEGE and transported to a certified analytical laboratory are accompanied by chain-of-custody (COC) documentation. This documentation is used to record the movement and custody of a sample from collection in the field to final analysis and storage. Samples to be analyzed at the certified laboratory were logged on the COC sheet provided by the laboratory. The same information provided on the sample labels (site name, sample location, date, time, and analysis to be performed) is also noted on the COC form. Each person relinquishing custody of the sample set signs the COC form indicating the date and time of the transfer to the recipient. A copy of the COC follows the samples or their extracts throughout the laboratory to aid the analyst in identifying the samples and to assure analysis within holding times.

Copies of the COC documentation are included with the laboratory results in Appendix B of this report.

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM, DAILY 2800 GALLONS

DATE 9-23-11 REASON FOR SITE VISIT O&M of system

TIME	TRENCH WELL T1 PID	DTW	pH	TEMP.	COND.	TRENCH WELL T2 PID	DTW	pH	TEMP.	COND.	TRENCH WELL T3 PID	DTW	pH	TEMP.	COND.	TRENCH WELL T4 PID	DTW	pH	TEMP.	COND.
		11.40					10.98													
	Pump Turned off after																			
	2.5 gallons																			
	0013702.5																			

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS6	RS7	RS8	RS9	RS10	R1	R2	R3					
			19.0	pump off												
Pumps	off down to	→	35.5'	= 2 gallo												
in	22 minute															
	00983295															

COMMENTS System not pumpg on arrival - wells pumped down. Change out Filter Cartridges. Inspect Carbons turn on pumps Drw pump down. Inspect T1 & T2

ELECTRIC METER 3211

RS05 WATER METER 00983275 PSI 11 P
T1 WATER METER 0113700 PSI 9.75
discharge WATER METER 0809668.5

WASTEWATER INFLUENT	
TIME	
pH	
Conductivity	
Temperature	
PID	

SAMPLE(s No

SITE MONITORED BY: Converse

supm pump check good

WATER TREATMENT
RS5 FLOW RATE ____ GALLONS/ ____ MINUTES
T1 FLOW RATE ____ GALLONS/ ____ MINUTES GALLONS PURGED ____
T2 FLOW RATE ____ GALLONS/ ____ MINUTES GALLONS PURGED ____

PRESSURE WATER CARBONS #1 10.5 PSI, #2 X PSI,
#3 0 PSI, #4 X PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS good - 2 used Carbons on site

CONDITION OF COMPOUND COMMENTS good

Acceptance of water phase carbon units only if completely flooded with water ____ yes ____ no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 8.5 and containers are in good condition ____ yes ____ no - return to carbon manufacture

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM, DAILY 2880 GALLONS

DATE 10-5-11

REASON FOR SITE VISIT odm of treatment system

	TRENCH WELL T1				
TIME	PID	DTW	pH	TEMP.	COND.

TRENCH WELL T2				
PID	DTW	pH	TEMP.	COND.

TRENCH WELL T3				
PID	DTW	pH	TEMP.	COND.

TRENCH WELL T4				
PID	DTW	pH	TEMP.	COND.

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS6

RS7	RS8	RS9	RS10

R1	R2	R3	

COMMENTS System not pumping on control #1 Carbon - ~~[illegible]~~ bubble in lid of inlet. Turn pumps off. Change out filter cartridge. Remove lid #1 Carbon - replace old used carbon lid. Inlet T [illegible] when tightening.

ELECTRIC METER 3368

Turn power off until replace Carbon 1 inlet T

RS05 WATER METER 0101417.0 PSI -0-

T1 WATER METER 0119364.5 PSI -0-

discharge WATER METER 0817383.5

WASTEWATER INFLUENT	
TIME	
pH	
Conductivity	
Temperature	
PID	

SAMPLE(s No

SITE MONITORED BY: Converse

sump pump check good - sump pumped down after rain last night

WATER TREATMENT
RS5 FLOW RATE ____ GALLONS/______ MINUTES
T1 FLOW RATE ____ GALLONS/______ MINUTES GALLONS PURGED________________
T2 FLOW RATE ____ GALLONS/______ MINUTES GALLONS PURGED________________

PRESSURE WATER CARBONS #1________PSI, #2__________PSI,
#3_______PSI, #4_________PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS #1 Carbon lid replaced

CONDITION OF COMPOUND COMMENTS good

Acceptance of water phase carbon units only if completely flooded with water______yes ______no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 8.5 and containers are in good condition ______yes ______no - return to carbon manufacture

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM. DAILY 2880 GALLONS

DATE 10-12-11

REASON FOR SITE VISIT replace repeated Influent manifold - DTW ...

TRENCH WELL T1

TIME	PID	DTW	pH	TEMP.	COND.
11:00		3.92			
11:30	Start	pump			
11:42		4.07			

TRENCH WELL T2

PID	DTW	pH	TEMP.	COND.
	4.10			
	4.22			

TRENCH WELL T3

PID	DTW	pH	TEMP.	COND.

TRENCH WELL T4

PID	DTW	pH	TEMP.	COND.

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS6
11:20			16.92	
11:20			18.20	

RS7	RS8	RS9	RS10

R1	R2	R3	

COMMENTS System off on arrival, Replace Influent manifold. Turn on sump pump, purge out from carbon - check for leaks - tighten manifold fittings 0101142.3 = 10 gals = empty well RS05

ELECTRIC METER 3368

RS05 WATER METER 0101417.0 PSI 10

T1 WATER METER 0114364.5 PSI 10 well 25 psi bypass

discharge WATER METER 0817382.5

SAMPLE(s ~~...~~ RS05 & (11:30 T1 pumping)

SITE MONITORED BY: Converse

sump pump check good

WASTEWATER INFLUENT

TIME	
pH	
Conductivity	
Temperature	
PID	

WATER TREATMENT
RS5 FLOW RATE ____ GALLONS/____ MINUTES
T1 FLOW RATE 107 GALLONS/ 19 MINUTES
T2 FLOW RATE ____ GALLONS/____ MINUTES

0119411 @ 11:49 = 107 gl
119304 @ 11:30

GALLONS PURGED
GALLONS PURGED

zero = 3

PRESSURE WATER CARBONS #1____PSI, #2____PSI,
#3____PSI, #4____PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS good

CONDITION OF COMPOUND COMMENTS 2" Rech units Start Sump Pump - pumped down

Acceptance of water phase carbon units only if completely flooded with water____yes ____no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 9.5 and containers are in good condition ____yes ____no - return to carbon manufacture

KIFF Analytical LLC
2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. ____________

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): George Converse

California EDF Report? ☒ Yes ☐ No

Company / Address: 1386 E. Beamer St / WEGE / Woodland, CA 95776

Sampling Company Log Code:

Phone Number: 530 668 5300

Global ID:

Fax Number:

EDF Deliverable To (Email Address):

Project #: 0PM3

P.O. #:

Bill to: Paid ck# 9569 $ 132.00

Project Name: Pumping wells T1 + RS05 restart

Sampler Print Name: George Converse

Sampler Signature: G Converse

Project Address: Oakland

Sampling: Date, Time. Container: 40 ml VOA, Sleeve, Poly, Glass, Tedlar. Preservative: HCl, HNO_3, None. Matrix: Water, Soil, Air.

Analysis Request (CIRCLE METHOD): MTBE @ 0.5 ppb (EPA 8260B); BTEX (EPA 8260B); TPH Gas (EPA 8260B); 5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B); 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B); Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B); Volatile Halocarbons (EPA 8260B); Volatile Organics Full List (EPA 8260B); Volatile Organics (EPA 524.2 Drinking Water); TPH as Diesel (EPA 8015M); TPH as Motor Oil (EPA 8015M); CAM 17 Metals (EPA 200.7 / 6010); 5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010); Mercury (EPA 245.1 / 7470 / 7471); Total Lead (EPA 200.7 / 6010); W.E.T. Lead (STLC)

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates	7 Oxygenates	Lead Scav.	Volatile Halocarbons	Volatile Organics Full List	Volatile Organics (524.2)	TPH as Diesel	TPH as Motor Oil	CAM 17 Metals	5 Waste Oil Metals	Mercury	Total Lead	W.E.T. Lead (STLC)					TAT	For Lab Use Only
RS05	10-12-11	11:15	3					X			X			X	X	X																		1wk	
T1	〃	11:30	〃					〃			〃			〃	〃	〃																		〃	

Relinquished by:	Date	Time	Received by:
G Converse	10-13-11	948	
	10/13/11	0948	Received by Laboratory: Michelle Squires, Kiff Analytical

Remarks:

Distribution: White - Lab; Pink - Originator

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM, DAILY 2880 GALLONS

DATE 10-27-11

REASON FOR SITE VISIT O&M of treatment/pump system

TRENCH WELL T1

TIME	PID	DTW	pH	TEMP.	COND.
		2.0	@	26psi	

TRENCH WELL T2

PID	DTW	pH	TEMP.	COND.
	10.88 - pumping T1			

TRENCH WELL T3

PID	DTW	pH	TEMP.	COND.

TRENCH WELL T4

PID	DTW	pH	TEMP.	COND.

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS8
			18.85	
			+ 9.0 pump down	

RS7	RS8	RS9	RS10

R1	R2	R3	

COMMENTS System not pumping on arrival. Change filter cartridges. DTW pumping well, need Antiscalant @ T1
365 - off 21 gls

ELECTRIC METER 3560 kWh

RS05 WATER METER 0165344 PSI 16

T1 WATER METER 0130250 PSI 11-3-7 @ 26psi

discharge WATER METER 0831230 = 12 10psi

SAMPLE(s) No

SITE MONITORED BY: Concerse

sump pump check good "Sump empty"

WASTEWATER INFLUENT	
TIME	
pH	
Conductivity	
Temperature	
PID	

WATER TREATMENT
RS5 FLOW RATE ___ GALLONS/___ MINUTES
T1 FLOW RATE ___ GALLONS/___ MINUTES
T2 FLOW RATE ___ GALLONS/___ MINUTES

0130299 - 50 = 49 gall. pump turn off
GALLONS PURGED ___
GALLONS PURGED ___

PRESSURE WATER CARBONS #1 11-3-7 PSI, #2 X PSI,
#3 2.5 PSI, #4 X PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS ___

CONDITION OF COMPOUND COMMENTS ___

Acceptance of water phase carbon units only if completely flooded with water ___ yes ___ no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 8.5 and containers are in good condition ___ yes ___ no - return to carbon manufacture

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 50-13550 1

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM. DAILY 2880 GALLONS

DATE 11-17-11

REASON FOR SITE VISIT ~~Inspection~~ Inspection by EBMUD "Karen & Bill"

TIME	TRENCH WELL T1 PID	DTW	pH	TEMP.	COND.
10:00	-	6.90			—

TRENCH WELL T2 PID	DTW	pH	TEMP.	COND.
10:00	7.10			

TRENCH WELL T3 PID	DTW	pH	TEMP	COND.

TRENCH WELL T4 PID	DTW	pH	TEMP.	COND

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS6
10:00			19.25	

RS7	RS8	RS9	RS10

R1	R2	R3	

COMMENTS System not pumping on arrival. Compound dry contents good. Turn off pump change out filter Cartridge
— T1 @ 19 psi when restart, close = 32 psi = fill filter close vent, adjust to 26 psi.

ELECTRIC METER 3943

RS05 WATER METER 0110579 PSI 15 psi

T1 WATER METER 0139028.5 PSI ~~2~~ 14 psi

discharge WATER METER ~~08643227~~ 8463227

WASTEWATER INFLUENT

TIME	
pH	
Conductivity	
Temperature	
PID	

SAMPLERS EBMUD & T1, RS05 & C1-out

SITE MONITORED BY: Converse

sump pump check good

WATER TREATMENT
RS5 FLOW RATE ____ GALLONS/____ MINUTES
T1 FLOW RATE ____ GALLONS/____ MINUTES GALLONS PURGED ____
T2 FLOW RATE ____ GALLONS/____ MINUTES GALLONS PURGED ____

PRESSURE WATER CARBONS #1 8 PSI, #2 X PSI,
#3 2 PSI, #4 X PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS good

CONDITION OF COMPOUND COMMENTS dry - good

Acceptance of water phase carbon units only if completely flooded with water ____ yes ____ no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 8.5 and containers are in good condition ____ yes ____ no - return to carbon manufacture

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. ______ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Gene Concerne	California EDF Report? ☒ Yes ☐ No
Company / Address: Western Geo-Eng, 1386 E Beamer St, Woodland, CA 95776	Sampling Company Log Code: WGEW
Phone Number: 530 668 5300	Global ID:
Fax Number: 530 662 0273	EDF Deliverable To (Email Address): wgelab@cal.net
Project #: Influent/Carbon; P.O. #:	Bill to: Ck# 9571 # 198.00
Project Name: DP 743	Sampler Print Name: Gene Concerne
	Sampler Signature: [signature]
Project Address: Oakland	

Analysis Request (Circle Method) columns: MTBE @ 0.5 ppb (EPA 8260B); BTEX (EPA 8260B); TPH Gas (EPA 8260B); 5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B); 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B); Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B); Volatile Halocarbons (EPA 8260B); Volatile Organics Full List (EPA 8260B); Volatile Organics (EPA 524.2 Drinking Water); TPH as Diesel (EPA 8015M); TPH as Motor Oil (EPA 8015M); CAM 17 Metals (EPA 200.7 / 6010); 5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010); Mercury (EPA 245.1 / 7470 / 7471); Total Lead (EPA 200.7 / 6010); W.E.T. Lead (STLC)

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO3	None	Water	Soil	Air	MTBE @ 0.5 ppb	BTEX	TPH Gas	For Lab Use Only
RS05	11-17-11	1105	3					X			X			X	X	X	1 wk
T1	"	1040	"					"			"			"	"	"	"
C1-eff	"	1045	"					"			"			"	"	"	"

Relinquished by:	Date	Time	Received by:
[signature]	11-21-11	944	
	112111	0944	Received by Laboratory: [signature] Kiff Analytical LLC

Remarks: Paid $198.00 by check #9571 on 112111

Distribution: White - Lab; Pink - Originator

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

phone #
EBMUD inspector, Karen Beaver 510-287-1749
Compliance, Nadia Borisova

Desert Petroleum
Bob Tribble 805-654-8084, ext 201

PG&E 800-743-5000

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM, DAILY 2880 GALLONS

DATE 12-1-11 REASON FOR SITE VISIT O+M check

TIME	TRENCH WELL T1 PID	DTW	pH	TEMP.	COND.
		11.80			

TRENCH WELL T2 PID	DTW	pH	TEMP.	COND.
	10.92			

TRENCH WELL T3 PID	DTW	pH	TEMP.	COND

TRENCH WELL T4 PID	DTW	pH	TEMP.	COND.

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS6
			19.40	

RS7	RS8	RS9	RS10

R1	R2	R3	

COMMENTS Pumping off on arrival - low cuts levels in pumping well. Change out filter cartridges, DTW RS05, T2 & T1

ELECTRIC METER 4230

RS05 WATER METER 0114037 PSI 12

T1 WATER METER 0147784 PSI 14

discharge WATER METER 0853852

? 893852

SAMPLE(s) C3 out Effluent "Out" SITE MONITORED BY: Conieza

supm pump check yes - good

	WASTEWATER INFLUENT
TIME	
pH	
Conductivity	
Temperature	
PID	

WATER TREATMENT
RS5 FLOW RATE ____GALLONS/____MINUTES
T1 FLOW RATE ____GALLONS/____MINUTES
T2 FLOW RATE ____GALLONS/____MINUTES

GALLONS PURGED ____
GALLONS PURGED ____

PRESSURE WATER CARBONS #1 6-11 PSI, #2 X PSI,
#3 2 PSI, #4 X PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS good

CONDITION OF COMPOUND COMMENTS clean

Acceptance of water phase carbon units only if completely flooded with water ____yes ____no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 8.5 and containers are in good condition ____yes ____no - return to carbon manufacture

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

phone #
EBMUD inspector, Karen Beaver 510-287-1749
Compliance, Nadia Borisova (510-287-1056)

Desert Petroleum
Bob Tribble 805-654-8084, ext 201

PG&E 800-743-5000

carbons: Enviroseupply - 918-364-5512 (Jeff Sproull)

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM, DAILY 2880 GALLONS

DATE 12-15-11

REASON FOR SITE VISIT System check & DTW measurements

TRENCH WELL T1					
TIME	PID	DTW	pH	TEMP.	COND.
		11.96			
		184.15			

TRENCH WELL T2					
PID	DTW	pH	TEMP.	COND.	
	10.97				
	184.38				

TRENCH WELL T3				
PID	DTW	pH	TEMP.	COND.

TRENCH WELL T4				
PID	DTW	pH	TEMP.	COND.

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS8
			20.20	
			200.44	

RS7	RS8 R	RS9	RS10
4.28	11.59	8.67	4.05
			244.11
11.11	10.99	182.58	
	203.72		

IR1	IR2	IR3	
16.25	15.46	11.38	
			245.87
216.44	214.84		

COMMENTS Pumps off on arrival. DTW all wells, we have set to allow continuous monitor system

ELECTRIC METER 4263

RS05 WATER METER 0117437 PSI 14

T1 WATER METER 0153836 PSI 12

discharge WATER METER 0863138

SAMPLE(s) NO

SITE MONITORED BY: Concierge

sump pump check Yes - good

WASTEWATER INFLUENT	
TIME	
pH	
Conductivity	
Temperature	
PID	

WATER TREATMENT
RS5 FLOW RATE ____GALLONS/____MINUTES
T1 FLOW RATE ____GALLONS/____MINUTES
T2 FLOW RATE ____GALLONS/____MINUTES

GALLONS PURGED____
GALLONS PURGED____

PRESSURE WATER CARBONS #1 11 PSI, #2 X PSI,
#3 3 PSI, #4 X PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS good

CONDITION OF COMPOUND COMMENTS good

Acceptance of water phase carbon units only if completely flooded with water_____yes _____no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 9.5 and containers are in good condition _____yes ____no - return to carbon manufacture

FORMER DESERT PETROLEUM SITE DP 793

4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602
WASTE WATER DISCHARGE PERMIT NUMBER 5043550 1

phone #
EBMUD inspector, Karen Beever 510-287-1749
Compliance, Nadia Borisova (510-287-1065)

Desert Petroleum
Bob Tribble 805-654-8084, ext 201

PG&E 800-743-5000

carbons: Envirosupply - 916-364-5512 (Jeff Sproul)

WASTE WATER PRETREATMENT, 2 IN SERIES CARBON WATER SCRUB UNITS
PEAK HOURLY DISCHARGE 2 GPM, DAILY 2880 GALLONS

DATE 12-30-11 REASON FOR SITE VISIT System check + maintenance

TIME	TRENCH WELL T1 PID	DTW	pH	TEMP.	COND.
		#12.0			
		oil product			

TRENCH WELL T2 PID	DTW	pH	TEMP.	COND.
	D9.5			

TRENCH WELL T3 PID	DTW	pH	TEMP.	COND

TRENCH WELL T4 PID	DTW	pH	TEMP.	COND.

DEPTH TO WATER

TIME	MW1	RS2	RS5	RS6
			20.0	

RS7	RS8	RS9	RS10

R1	R2	R3	

COMMENTS Pump off on arrival - low water level. Turn on RS05 - depletes to 38' within minutes. Change hoses. Clean Beta tank from 17' → Depth. T1 Also did change hose 10' - bottom.

ELECTRIC METER 4290

934
923
11 gallons RS05

98571
833
152

RS05 WATER METER 0120923 PSI 10
T1 WATER METER 0159833 PSI 18
discharge WATER METER 0872482

WASTEWATER INFLUENT	
TIME	
pH	
Conductivity	
Temperature	
PID	

SAMPLE(s NO

SITE MONITORED BY: Conquero

sump pump check yes - good

WATER TREATMENT
RS5 FLOW RATE ____ GALLONS/____ MINUTES
T1 FLOW RATE ____ GALLONS/____ MINUTES
T2 FLOW RATE ____ GALLONS/____ MINUTES

GALLONS PURGED ____
GALLONS PURGED ____

PRESSURE WATER CARBONS #1 11 PSI, #2 X PSI,
#3 2 PSI, #4 X PSI

WATER PHASE CARBON UNITS INSPECTION COMMENTS good

CONDITION OF COMPOUND COMMENTS good

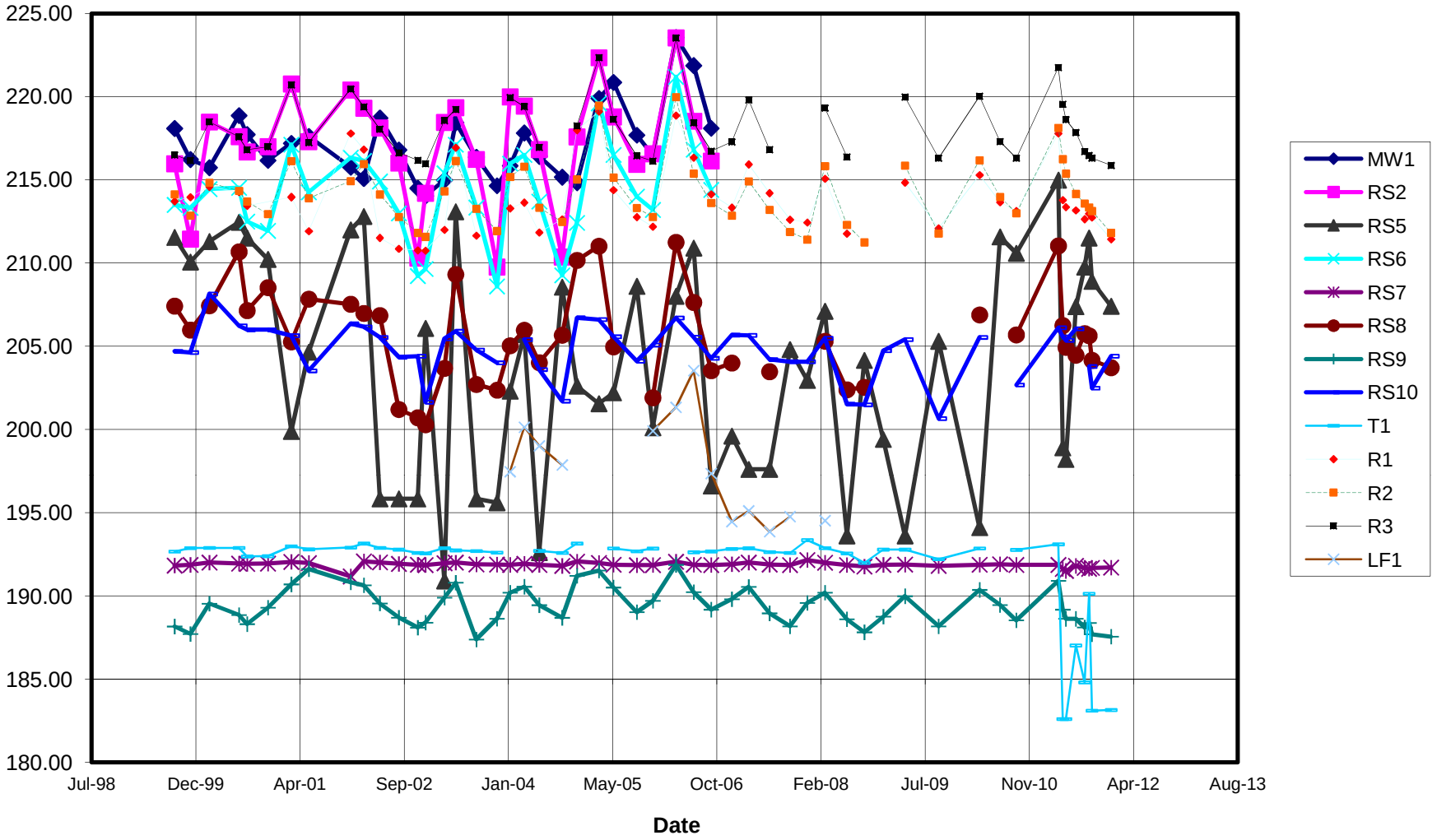
Acceptance of water phase carbon units only if completely flooded with water ____ yes ____ no - return to carbon manufacture
Acceptance of water phase carbon units only if pH is less than 9.5 and containers are in good condition ____ yes ____ no - return to carbon manufacture

T1 well 18 psi
reduce to 12 psi
well depleted in minutes
close bypass

APPENDIX B.

GROUNDWATER ELEVATION CHART

Groundwater Elevation



APPENDIX C.

LABORATORY REPORTS

KIFF Analytical LLC

Report Number : 79060
Date : 10/19/2011

Laboratory Results

George Converse
Western Geo-Engineers
1386 East Beamer St.
Woodland, CA 95776

Subject : 2 Water Samples
Project Name : Pumping Wells T1&RS05 Restart
Project Number : DP793

Dear Mr. Converse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 79060
Date : 10/19/2011

Project Name : **Pumping Wells T1&RS05 Restart**
Project Number : **DP793**

Sample : **RS05** Matrix : Water Lab Number : 79060-01
Sample Date :10/12/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**4.8**	0.50	ug/L	EPA 8260B	10/18/11 15:05
Toluene	**1.2**	0.50	ug/L	EPA 8260B	10/18/11 15:05
Ethylbenzene	**0.58**	0.50	ug/L	EPA 8260B	10/18/11 15:05
Total Xylenes	**17**	0.50	ug/L	EPA 8260B	10/18/11 15:05
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/18/11 15:05
TPH as Gasoline	**400**	50	ug/L	EPA 8260B	10/18/11 15:05
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/18/11 15:05
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/18/11 15:05

Sample : **T1** Matrix : Water Lab Number : 79060-02
Sample Date :10/12/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**200**	0.50	ug/L	EPA 8260B	10/18/11 15:03
Toluene	**30**	0.50	ug/L	EPA 8260B	10/18/11 15:03
Ethylbenzene	**8.5**	0.50	ug/L	EPA 8260B	10/18/11 15:03
Total Xylenes	**100**	0.50	ug/L	EPA 8260B	10/18/11 15:03
Methyl-t-butyl ether (MTBE)	**1.4**	0.50	ug/L	EPA 8260B	10/18/11 15:03
TPH as Gasoline	**1100**	50	ug/L	EPA 8260B	10/18/11 15:03
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	10/18/11 15:03
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	10/18/11 15:03

Report Number : 79060

Date : 10/19/2011

QC Report : Method Blank Data

Project Name : **Pumping Wells T1&RS05 Restart**

Project Number : **DP793**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/18/2011
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	10/18/2011
Toluene - d8 (Surr)	100		%	EPA 8260B	10/18/2011
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/18/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/18/2011
1,2-Dichloroethane-d4 (Surr)	98.8		%	EPA 8260B	10/18/2011
Toluene - d8 (Surr)	99.8		%	EPA 8260B	10/18/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/19/2011

Project Name : **Pumping Wells T1&RS05 Restart**

Project Number : **DP793**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	79045-03	<0.50	40.0	40.0	40.1	38.6	ug/L	EPA 8260B	10/18/11	100	96.6	3.59	80-120	25
Ethylbenzene														
	79045-03	<0.50	40.0	40.0	40.8	38.9	ug/L	EPA 8260B	10/18/11	102	97.4	4.71	80-120	25
Methyl-t-butyl ether														
	79045-03	<0.50	40.2	40.2	38.5	38.2	ug/L	EPA 8260B	10/18/11	95.9	95.0	0.923	69.7-121	25
P + M Xylene														
	79045-03	<0.50	40.0	40.0	40.2	38.7	ug/L	EPA 8260B	10/18/11	100	96.8	3.68	76.8-120	25
Toluene														
	79045-03	<0.50	40.0	40.0	40.5	38.6	ug/L	EPA 8260B	10/18/11	101	96.6	4.67	80-120	25
Benzene														
	79045-07	<0.50	40.0	40.0	38.5	37.4	ug/L	EPA 8260B	10/18/11	96.2	93.5	2.78	80-120	25
Ethylbenzene														
	79045-07	<0.50	40.0	40.0	39.5	38.2	ug/L	EPA 8260B	10/18/11	98.8	95.6	3.24	80-120	25
Methyl-t-butyl ether														
	79045-07	<0.50	40.2	40.2	40.5	40.3	ug/L	EPA 8260B	10/18/11	101	100	0.516	69.7-121	25
P + M Xylene														
	79045-07	<0.50	40.0	40.0	39.8	38.6	ug/L	EPA 8260B	10/18/11	99.4	96.5	2.99	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 79060

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/19/2011

Project Name : **Pumping Wells T1&RS05 Restart**

Project Number : **DP793**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene														
	79045-07	<0.50	40.0	40.0	38.6	37.6	ug/L	EPA 8260B	10/18/11	96.5	94.0	2.55	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Date : 10/19/2011

Project Name : **Pumping Wells T1&RS05 Restart**

Project Number : **DP793**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/18/11	102	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	10/18/11	106	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	10/18/11	96.4	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	10/18/11	104	76.8-120
TPH as Gasoline	501	ug/L	EPA 8260B	10/18/11	92.8	70.0-130
Toluene	40.0	ug/L	EPA 8260B	10/18/11	103	80-120
Benzene	40.1	ug/L	EPA 8260B	10/18/11	99.0	80-120
Ethylbenzene	40.1	ug/L	EPA 8260B	10/18/11	102	80-120
Methyl-t-butyl ether	40.3	ug/L	EPA 8260B	10/18/11	103	69.7-121
P + M Xylene	40.1	ug/L	EPA 8260B	10/18/11	102	76.8-120
TPH as Gasoline	504	ug/L	EPA 8260B	10/18/11	106	70.0-130
Toluene	40.1	ug/L	EPA 8260B	10/18/11	99.9	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 79060

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): George Conerie	California EDF Report? ☒ Yes ☐ No
Company / Address: WEGE / 1386 E. Blanding St Alameda, CA 94576	Sampling Company Log Code:
Phone Number: 530 668 5300	Global ID:
Fax Number:	EDF Deliverable To (Email Address):
Project #: DPH3 / P.O. #:	Bill to: Paid ck# 9569 $132.00
Project Name: Pumping wells T1 & RS05 restart	Sampler Print Name: George Conerie
Project Address: Oakland	Sampler Signature: George Conerie

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative:	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix:
RS05	10-12-11	11:15	3						X					X			
T1	〃	11:30	〃						〃					〃			

Analysis Request — CIRCLE METHOD

MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)					
X	X	X																		
〃	〃	〃																		

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

For Lab Use Only: 01 / 02

Relinquished by:	Date	Time	Received by:
[signature]	10-13-11	945	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	101311	0945	Michelle Spencer KIFF Analytical

Remarks: $132.00 ~~paid~~ MAS paid with check #9569 on 101311. MAS 101311 0945

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: MAS (Initials)

SRG#: 79060 Date: 101311

Project ID: Pumping Wells T1 & RS05 Restart

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☒ Yes	☐ No		
Custody seals on shipping container?	☐ Intact	☐ Broken	☐ Not present	☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated?	☒ Yes	☐ No		
Is sampler name legibly indicated on COC?	☒ Yes	☐ No		
Is analysis or hold requested for all samples	☒ Yes	☐ No		
Is the turnaround time indicated on COC?	☒ Yes	☐ No		
Is COC free of whiteout and uninitialed cross-outs?	☒ Yes	☐ No, Whiteout	☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 1.9 Therm. ID# IR Initial MAS Date/Time 101311/0945 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present	
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)	☐ No, Extra sample(s) present			
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No		
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No		
Are preservatives indicated? ☐ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A	
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A	
Are samples within holding time for analyses requested?	☒ Yes	☐ No		
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No		
Is there sufficient sample to perform testing?	☒ Yes	☐ No		

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA	Container type VOA	# of containers received 6
Matrix	Container type	# of containers received
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 101311 Time: 0945

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☐ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☐ Yes	☐ No	☐ N/A	
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☐ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☐ Yes	☐ No	☐ N/A	
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☐ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☐ Yes	☐ No	☐ N/A	
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☐ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☐ Yes	☐ No	☐ N/A	

COMMENTS:

KIFF Analytical LLC

Report Number : 79537
Date : 11/29/2011

Laboratory Results

George Converse
Western Geo-Engineers
1386 East Beamer St.
Woodland, CA 95776

Subject : 3 Water Samples
Project Name : DP793
Project Number : Influent / Carbon

Dear Mr. Converse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 79537
Date : 11/29/2011

Subject : 3 Water Samples
Project Name : DP793
Project Number : Influent / Carbon

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples RS05 and T1 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Report Number : 79537
Date : 11/29/2011

Project Name : **DP793**
Project Number : **Influent / Carbon**

Sample : **RS05** Matrix : Water Lab Number : 79537-01
Sample Date :11/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**460**	1.5	ug/L	EPA 8260B	11/24/11 06:43
Toluene	**120**	0.50	ug/L	EPA 8260B	11/22/11 23:28
Ethylbenzene	**21**	0.50	ug/L	EPA 8260B	11/22/11 23:28
Total Xylenes	**220**	0.50	ug/L	EPA 8260B	11/22/11 23:28
Methyl-t-butyl ether (MTBE)	**4.4**	0.50	ug/L	EPA 8260B	11/22/11 23:28
TPH as Gasoline	**3000**	50	ug/L	EPA 8260B	11/22/11 23:28
1,2-Dichloroethane-d4 (Surr)	95.2		% Recovery	EPA 8260B	11/22/11 23:28
Toluene - d8 (Surr)	94.1		% Recovery	EPA 8260B	11/22/11 23:28

Sample : **T1** Matrix : Water Lab Number : 79537-02
Sample Date :11/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**89**	0.50	ug/L	EPA 8260B	11/23/11 00:01
Toluene	**12**	0.50	ug/L	EPA 8260B	11/23/11 00:01
Ethylbenzene	**3.1**	0.50	ug/L	EPA 8260B	11/23/11 00:01
Total Xylenes	**69**	0.50	ug/L	EPA 8260B	11/23/11 00:01
Methyl-t-butyl ether (MTBE)	**4.4**	0.50	ug/L	EPA 8260B	11/23/11 00:01
TPH as Gasoline	**1100**	50	ug/L	EPA 8260B	11/23/11 00:01
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	11/23/11 00:01
Toluene - d8 (Surr)	93.4		% Recovery	EPA 8260B	11/23/11 00:01

KIFF Analytical LLC

Report Number : 79537
Date : 11/29/2011

Project Name : **DP793**
Project Number : **Influent / Carbon**

Sample : **C1-OUT** Matrix : Water Lab Number : 79537-03
Sample Date :11/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**30**	0.50	ug/L	EPA 8260B	11/28/11 13:54
Toluene	**4.1**	0.50	ug/L	EPA 8260B	11/28/11 13:54
Ethylbenzene	**1.2**	0.50	ug/L	EPA 8260B	11/28/11 13:54
Total Xylenes	**24**	0.50	ug/L	EPA 8260B	11/28/11 13:54
Methyl-t-butyl ether (MTBE)	**2.1**	0.50	ug/L	EPA 8260B	11/28/11 13:54
TPH as Gasoline	**430**	50	ug/L	EPA 8260B	11/28/11 13:54
1,2-Dichloroethane-d4 (Surr)	97.6		% Recovery	EPA 8260B	11/28/11 13:54
Toluene - d8 (Surr)	94.4		% Recovery	EPA 8260B	11/28/11 13:54

Report Number : 79537

Date : 11/29/2011

QC Report : Method Blank Data

Project Name : **DP793**

Project Number : **Influent / Carbon**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/22/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/22/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/22/2011
1,2-Dichloroethane-d4 (Surr)	99.0		%	EPA 8260B	11/22/2011
Toluene - d8 (Surr)	96.8		%	EPA 8260B	11/22/2011
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/28/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/28/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/28/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/28/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/28/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/28/2011
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	11/28/2011
Toluene - d8 (Surr)	93.9		%	EPA 8260B	11/28/2011
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/24/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **DP793**

Project Number : **Influent / Carbon**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	79543-01	13	40.0	40.0	52.8	52.0	ug/L	EPA 8260B	11/22/11	99.2	97.3	1.96	80-120	25
Ethylbenzene														
	79543-01	2.3	40.0	40.0	45.7	44.8	ug/L	EPA 8260B	11/22/11	108	106	1.99	80-120	25
Methyl-t-butyl ether														
	79543-01	110	40.4	40.4	160	162	ug/L	EPA 8260B	11/22/11	117	**123**	5.10	69.7-121	25
P + M Xylene														
	79543-01	<0.50	40.0	40.0	44.0	43.2	ug/L	EPA 8260B	11/22/11	110	108	1.65	76.8-120	25
Toluene														
	79543-01	<0.50	40.0	40.0	39.8	39.2	ug/L	EPA 8260B	11/22/11	99.6	98.0	1.60	80-120	25
Benzene														
	79555-02	<0.50	40.0	40.0	42.2	41.2	ug/L	EPA 8260B	11/28/11	105	103	2.46	80-120	25
Ethylbenzene														
	79555-02	0.75	40.0	40.0	44.4	43.2	ug/L	EPA 8260B	11/28/11	109	106	2.81	80-120	25
Methyl-t-butyl ether														
	79555-02	<0.50	40.4	40.4	41.6	42.5	ug/L	EPA 8260B	11/28/11	103	105	2.26	69.7-121	25
P + M Xylene														
	79555-02	<0.50	40.0	40.0	43.8	43.1	ug/L	EPA 8260B	11/28/11	110	108	1.68	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 79537

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/29/2011

Project Name : **DP793**

Project Number : **Influent / Carbon**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene														
	79555-02	<0.50	40.0	40.0	39.3	38.2	ug/L	EPA 8260B	11/28/11	98.3	95.6	2.75	80-120	25
Benzene														
	79534-03	<0.50	40.0	40.0	40.4	39.5	ug/L	EPA 8260B	11/24/11	101	98.6	2.31	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Date : 11/29/2011

Project Name : **DP793**

Project Number : **Influent / Carbon**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.9	ug/L	EPA 8260B	11/22/11	98.9	80-120
Ethylbenzene	39.9	ug/L	EPA 8260B	11/22/11	104	80-120
Methyl-t-butyl ether	40.3	ug/L	EPA 8260B	11/22/11	104	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	11/22/11	104	76.8-120
TPH as Gasoline	501	ug/L	EPA 8260B	11/22/11	105	70.0-130
Toluene	39.9	ug/L	EPA 8260B	11/22/11	96.1	80-120
Benzene	39.8	ug/L	EPA 8260B	11/28/11	104	80-120
Ethylbenzene	39.8	ug/L	EPA 8260B	11/28/11	107	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	11/28/11	102	69.7-121
P + M Xylene	39.8	ug/L	EPA 8260B	11/28/11	109	76.8-120
TPH as Gasoline	502	ug/L	EPA 8260B	11/28/11	107	70.0-130
Toluene	39.8	ug/L	EPA 8260B	11/28/11	97.0	80-120
Benzene	39.8	ug/L	EPA 8260B	11/23/11	101	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC
2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 79537

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): George Converse

California EDF Report? [X] Yes [ ] No

Company / Address: Western Geo-Eng, 1386 E Beamer St, Woodland, CA 95776

Sampling Company Log Code: WGEW

Phone Number: 530 668 5300

Global ID:

Fax Number: 530 662 0273

EDF Deliverable To (Email Address): wegelab@calnet

Project #: Influent/Carbon

P.O. #:

Bill to: Ch# 9571 $198.00

Project Name: DP223

Sampler Print Name: George Converse

Sampler Signature: [signature]

Project Address: Oakland

Analysis Request (CIRCLE METHOD): MTBE @ 0.5 ppb (EPA 8260B); BTEX (EPA 8260B); TPH Gas (EPA 8260B); 5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B); 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B); Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B); Volatile Halocarbons (EPA 8260B); Volatile Organics Full List (EPA 8260B); Volatile Organics (EPA 524.2 Drinking Water); TPH as Diesel (EPA 8015M); TPH as Motor Oil (EPA 8015M); CAM 17 Metals (EPA 200.7 / 6010); 5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010); Mercury (EPA 245.1 / 7470 / 7471); Total Lead (EPA 200.7 / 6010); W.E.T. Lead (STLC)

TAT: [ ] 12 hr [ ] 24 hr [ ] 48hr [ ] 72hr [X] 1 wk

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE @ 0.5 ppb	BTEX	TPH Gas	5 Oxygenates	7 Oxygenates	Lead Scav.	Volatile Halocarbons	Volatile Organics Full List	Volatile Organics (524.2)	TPH as Diesel	TPH as Motor Oil	CAM 17 Metals	5 Waste Oil Metals	Mercury	Total Lead	W.E.T. Lead	TAT	For Lab Use Only
RS05	11-17-11	1105	3					Y			X			X	X	X														1wk	01
T1	〃	1040	〃					〃			〃			〃	〃	〃														〃	02
C1-out	〃	1045	〃					〃			〃			〃	〃	〃														〃	03

Relinquished by	Date	Time	Received by
[signature]	11-21-11	944	
	112111	0944	Received by Laboratory: [signature] Kiff Analytical LLC

Remarks: Paid $198.00 by check #9571 on 112111

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: TJB (Initials)

SRG#: 79537 Date: 112111

Project ID: DP793

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☒ Yes	☐ No	
Custody seals on shipping container?	☐ Intact	☐ Broken	☐ Not present ☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated?	☒ Yes	☐ No	
Is sampler name legibly indicated on COC?	☒ Yes	☐ No	
Is analysis or hold requested for all samples	☒ Yes	☐ No	
Is the turnaround time indicated on COC?	☒ Yes	☐ No	
Is COC free of whiteout and uninitialed cross-outs?	☒ Yes	☐ No, Whiteout	☐ No, Cross-outs

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 2.3 Therm. ID# IR-1 Initial TJB Date/Time 112111 /0940 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present	
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)	☐ No, Extra sample(s) present			
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No		
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No		
Are preservatives indicated? ☒ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A	
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A	
Are samples within holding time for analyses requested?	☒ Yes	☐ No		
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No		
Is there sufficient sample to perform testing?	☒ Yes	☐ No		

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA	Container type VOA	# of containers received 9
Matrix	Container type	# of containers received
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 112111 Time: 0944

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	

COMMENTS:

APPENDIX D.

ALAMEDA COUNTY CORESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 21, 2011

Mr. William Thompson
Desert Petroleum
3781 Telegraph Road
Ventura, CA 93003-3420

Mr. Kin Man Li et al.
P.O. Box 348
Oakland, CA 94604

Mr. Tony Razi
3609 East 14th Street
Oakland, CA 94601

Jason Golpad & Mojtaba Karimabadi
c/o Matt Haley
1633 San Pablo Avenue
Oakland, CA 94608

Subject: Review of Work Plan for Fuel Leak Case No. RO0000429 and GeoTracker Global ID T0600100158, Desert Petroleum Site DP793, 4035 Park Boulevard, Oakland, CA 94602

Dear Mr. Thompson, Li, Razi, and Haley:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced fuel leak case including the most recently submitted document entitled, *"Revision of the February 6, 2006 and Revised September 24, 2008 Work Plans for Site DP793 Located at 4035 Park Blvd, Oakland, CA,*" dated November 23, 2011 and received by ACEH on December 5, 2011. The Work Plan, which was prepared on your behalf by Western Geo-Engineers, presents generalized plans for excavation of gasoline-contaminated soils. Excavation of the site has been proposed in the following work plans and work plan addenda since 2006 but has not been implemented to date:

- *Work Plan for Site DP793 Located at 4035 Park Blvd,, Oakland, CA dated February 13, 2006*
- *Revision of the February 6, 2006 Work Plan for Site DP793 Located at 4035 Park Blvd,, Oakland, CA dated September 24, 2008*
- *Revision of the February 6, 2006 Work Plan for Site DP793 Located at 4035 Park Blvd,, Oakland, CA dated August 11, 2009*
- *Revision of the February 6, 2006 Work Plan for Site DP793 Located at 4035 Park Blvd,, Oakland, CA updated August 28, 2009*
- *Response to November 6, 2009 Glenview Neighborhood Association Request for Clarification, i.e. items 1 through 9 as directed by Alameda County Environmental Health Care Services Correspondence March 2, 2010*
- *Desert Petroleum Site DP793, 4035 Park Blvd., Oakland, CA, Addendum to Soil Excavation Work Plan dated May 26, 2010*
- *Work Plan, Natural Attenuation Soil Sampling dated June 8, 2011*
- *"Revision of the February 6, 2006 and Revised September 24, 2008 Work Plans for Site DP793 Located at 4035 Park Blvd, Oakland, CA,*" dated November 23, 2011

The Work Plans and addenda listed above have presented various plans for excavation of gasoline-contaminated soil beneath the former station building and the northwest corner of the site. The most recent Work Plan dated November 23, 2011 proposes a much more limited excavation to reduce the total cost of the remedy. The deeper portions of the proposed

excavation are targeted on removing selected sample locations where elevated concentrations of petroleum hydrocarbons were detected. Given that the extent of contamination extends beyond the targeted sample locations, the effectiveness of the proposed excavation to achieve source removal is highly questionable. Based on the limited source removal, the cost effectiveness of the proposed excavation appears questionable. In addition, the expected disruptions and nuisance to the surrounding community caused by excavation may not be justified by the limited source removal that would actually be achieved by the reduced excavation.

The November 23, 2011 Work Plan appears to be conceptual in nature and does not include all necessary elements for an excavation work plan. Several excavation procedures are missing from the Work Plan. In particular, several procedures and issues that have been raised during previous reviews of Work Plan and addenda by both ACEH and the Glenview Neighborhood Association are not included in the November 23, 2011 Work Plan. These procedures or issues include but are not limited to procedures for stockpiling of soils, confirmation sampling, air monitoring, dust control, criteria for soil re-use, sources of imported fill, preventing surface runoff from the stockpiles, traffic control, and notifications to the public.

ACEH previously commented upon the use of drain rock and road base as backfill up to a depth of 7 feet bgs and the potential for the drain rock and road base to provide a potential vapor migration pathway from the base and sides of the excavation to shallow soil. The November 23, 2001 Work Plan indicates that this issue has been alleviated by reducing the thickness of drain rock versus road base. It is not clear that reducing the thickness of drain rock adequately addresses this concern. During the current review of the case file, we noted that the former UST and pump island area, which was overexcavated in 1995, was backfilled with pea gravel and road base AB fill to land surface. The potential for this area and the area of a “cobble fill” to provide a preferential vapor migration pathway must be evaluated by soil vapor sampling prior to development of the site.

Given the limited source removal that would be achieved by the currently proposed excavation and the incomplete nature of the Work Plan, we do not concur with the November 23, 2011 Work Plan. Therefore, we request that you prepare a Draft Corrective Action Plan that evaluates additional remedial alternatives including in-situ methods and meets the criteria described in the technical comments below.

TECHNICAL COMMENTS

1. **Corrective Action Plan.** We request that you prepare a Draft Corrective Action Plan (Draft CAP) that meets the provisions of section 2725 of the UST regulations (CCR, Title 23, Chapter 16, section 2600, et seq.) and includes the following minimum information:

    - Proposed cleanup goals and the basis for cleanup goals.
    - Summary of site characterization data.
    - Receptor information including likely future land use scenarios, adjacent land use and sensitive receptors, and potential groundwater receptors.
    - Evaluation of a minimum of three active remedial alternatives including discussion of feasibility, cost effectiveness, estimated time to reach cleanup goals, and limitations for each remedial alternative.

- Detailed description of proposed remediation including confirmation sampling and monitoring during implementation.
- Post-remediation monitoring.
- Schedule for implementation of cleanup.

Public participation is a requirement for the Corrective Action Plan process. Therefore, we request that you submit a Draft CAP for ACEH review. Upon ACEH approval of a Draft CAP, ACEH will notify potentially affected members of the public who live or own property in the surrounding area of the proposed remediation described in the Draft CAP. Public comments on the proposed remediation will be accepted for a 30-day period.

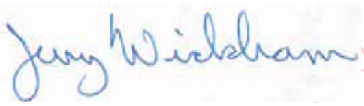
TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **February 22, 2012 –** Draft Corrective Action Plan

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online at the following website: http://www.acgov.org/aceh/index.htm. . If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland,CA 94612-2032 2032 (Sent via E-mail to: lgriffin@oaklandnet.com)

Sunil Ramdass, State Water Resources Control Board, 1001 I Street, Sacramento, CA 94244 (Sent via E-mail to: Sramdass@waterboard.ca.gov)

George Converse, Western Geo-Engineers, 1386 Beamer Street, Woodland, CA 95776 (Sent via E-mail to: wege@cal.net)

Robert Gray, Glenview Neighborhood Association, 1970 Broadway, Suite 1200, Oakland, CA 94612 (Sent via E-mail to: r_gray40@sbcglobal.net)

Robert Roat, Glenview Neighborhood Association (Sent via E-mail to: broat@earthlink.net)

Michael Gabriel, Glenview Neighborhood Association, 4200 Park Boulevard, Box 111 Oakland, CA 94602

Derrick Williams, 4032 Brighton Avenue, Oakland, CA 94602

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.