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November 10, 2009

Jerry Wickham
Alameda County Health Care Services Agency
Environmental Health Services, Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Third Quarter 2009 Groundwater Monitoring Report, 700 Independent Road, Oakland, California, Fuel Leak Case No. RO0002900

Dear Mr. Wickham,

Enclosed is a Groundwater Monitoring Report for the third quarter 2009 for the property located at 700 Independent Road, Oakland, California. The quarterly groundwater monitoring report was prepared by Kleinfelder Inc. on behalf of EOP – Industrial Portfolio, LLC. This report was prepared and is being submitted to Alameda Health Care Services Agency, Environmental Health Services pursuant to your request in a letter to Mr. James Soutter dated July 24, 2009.

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

Sincerely,
EOP – Industrial Portfolio, LLC.

James Soutter
Director – Engineering

Enclosure: Third Quarter 2009, Groundwater Monitoring Report, 700 Independent Road, Oakland, California

**THIRD QUARTER 2009
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA**

November 12, 2009

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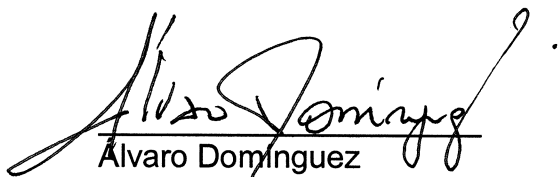
A Report Prepared for:

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**THIRD QUARTER 2009
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA**

Kleinfelder Job No. 54504/8
Fuel Leak Case No. RO0002900

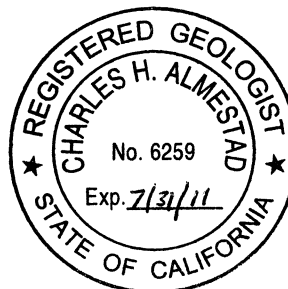
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November 12, 2009

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1.0 INTRODUCTION

This report describes the third quarter 2009 groundwater monitoring activities at 700 Independent Road, Oakland, California (the site). The work was performed by Kleinfelder for EOP - Industrial Portfolio, LLC (EOP) in response to a request by Alameda County Environmental Health Services (ACEHS) staff in a letter to EOP dated July 24, 2009.

Kleinfelder performed the following field tasks:

- Collection of groundwater samples from the five monitoring wells for total petroleum hydrocarbon and volatile organic chemical analysis;
- Measurement of groundwater levels in the five monitoring wells; and
- Containment of the purge water generated during groundwater sampling for subsequent disposal.

2.0 BACKGROUND INFORMATION

This section presents a brief description of the site and a summary of previously performed investigations at the site.

2.1 SITE DESCRIPTION

The site is approximately five acres in size and is located at 700 Independent Road, approximately 2,000 feet northwest of the Oakland-Alameda Coliseum, in an industrial area of Oakland, California. The site is situated (Plate 1). A one-story warehouse building, a parking lot and a railroad spur occupy the site (Plate 2), which is currently leased for warehouse purposes.

Near surface soils consist of clays and silty-clays with sandy inter-beds. During drilling activities, first groundwater has generally been encountered at a depth of approximately eight to 10 feet below ground surface (bgs).

2.2 PREVIOUS INVESTIGATIONS

Previous environmental work at the site includes the discovery and removal of an approximately 1,100-gallon capacity underground storage tank (UST), formerly used for fuel storage, and three subsequent subsurface investigations.

2.2.1 UST Discovery and Removal

A subsurface investigation performed for a prospective purchaser of the 700 Independent Road property uncovered the presence of petroleum hydrocarbons in soil and groundwater near the loading dock at the site. As a follow-up to this discovery, Kleinfelder searched regulatory agency records, performed a geophysical survey and identified a UST and associated piping in the vicinity of the western end of the loading dock.

On August 17, 2005, under permit from the City of Oakland Fire Department, Golden Gate Tank Removal, Inc., a subcontractor of Kleinfelder, removed and disposed of one 1,100-gallon UST. Confirmation soil samples were collected from the sidewalls and bottom of the excavation pit, and the analytical results indicated the presence of

petroleum hydrocarbons at concentrations exceeding Regional Water Quality Control Board (RWQCB), San Francisco Bay Region Environmental Screening Levels (ESLs). A report documenting the UST removal process and summarizing the analytical results was prepared and submitted to the City of Oakland Fire Department on November 1, 2005. Based on the concentrations of petroleum hydrocarbons, the Fire Department referred the case to the ACEHS. The ACEHS became the lead government agency overseeing remedial actions at the site. The ACEHS assigned the Site Case Number RO0002900.

2.2.2 Subsequent Subsurface Investigations

In a letter dated February 24, 2006, the ACEHS requested that EOP prepare and implement a work plan to delineate the extent of petroleum hydrocarbon impacted soil and groundwater at the site. On July 24, 25 and August 10, 2006, Kleinfelder performed a subsurface investigation consisting of the collection and analyses of soil and groundwater samples from 13 locations in the vicinity of the former UST. The analytical results of the soil samples indicated the presence of Total Petroleum Hydrocarbons as gasoline (TPH-g), benzene and xylenes, at concentrations up to 810 milligrams per kilogram (mg/Kg), 3,000 mg/Kg, and 33,000 mg/Kg, respectively.

In groundwater, TPH-g and Total Petroleum Hydrocarbons as diesel (TPH-d) were detected at concentrations up to 42,000 micrograms per liter ($\mu\text{g/L}$) and 4,190 $\mu\text{g/L}$, respectively. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were reported at concentrations up to 13,800 $\mu\text{g/L}$, 929 $\mu\text{g/L}$, 2,810 $\mu\text{g/L}$, and 3,140 $\mu\text{g/L}$, respectively. The results of this investigation were summarized in the September 27, 2006 report titled *Site Field Investigation, 700 Independent Road, Oakland, California*, prepared by Kleinfelder.

In a letter dated October 6, 2006, the ACEHS requested that EOP prepare and implement a work plan to further delineate the horizontal and vertical extent of petroleum hydrocarbons at the site. Kleinfelder prepared the work, which included plans for a soil vapor survey to assess potential indoor vapor intrusion into the warehouse; installing three groundwater monitoring wells within the impacted area; performing a 2,000-foot radius groundwater well survey; identifying potential subsurface utility pathways; and uploading the site's information onto the GeoTracker system.

Between March 4 and 7, 2007, Kleinfelder collected subsurface soil, soil-vapor, and groundwater samples, and installed three monitoring wells (MW-1 through MW-3) at the site. No chemicals of concern were reported at or above the 2007 RWQCB ESLs in the soil-vapor samples. In subsurface soil and groundwater, the highest petroleum hydrocarbon concentrations were reported in soil boring K-19 and in monitoring well MW-2, both located in the immediate vicinity of the former UST. In the soil sample collected from boring K-19 at a depth of 18-feet to 20-feet bgs, BTEX was reported at 11 mg/Kg, 26 mg/Kg, 33 mg/Kg, and 170 mg/Kg, respectively. In addition, TPH-g and TPH-d were reported at 1,900 mg/Kg and 200 mg/Kg, respectively. In the groundwater sample from MW-2, TPH-g and benzene were reported at 38,000 µg/L and 11,600 µg/L, respectively.

The analytical results for TPH-g and TPH-d in soil and groundwater samples collected from monitoring well (MW-1) and boring (K-18), located approximately 70 to 90-feet east from the former UST location, were also elevated (Plate 3). In soil samples collected from MW-1, TPH-g and TPH-d were reported at up to 12,000 mg/Kg and 588 mg/Kg; and BTEX at 63 mg/Kg, 250 mg/Kg, 310 mg/Kg, and 1,200 mg/Kg, respectively at 19.5 feet bgs. In the groundwater sample from MW-1, TPH-g and benzene were reported at 3,300 µg/L and 162 µg/L respectively.

Based on the analytical results, the extent of petroleum hydrocarbons in soil and groundwater at the site was generally defined to the north, west, and south of the former UST. Kleinfelder summarized the field activities and analytical results of the investigation in a report titled *Further Site Investigation Report, 700 Independent Road, Oakland, California*, and dated May 11, 2007.

Following submittal of the *Further Site Investigation Report*, ACEHS requested additional subsurface investigation at the site to further characterize the vertical and horizontal extent of contamination associated with the former UST. Kleinfelder performed an investigation, which consisted of collecting and analyzing soil and groundwater samples from five borings (K-21 to K-25) and installing two additional groundwater monitoring wells (MW-4 and MW-5). This subsurface investigation was conducted from January 21 to January 31, 2008. In addition to the field work, the

investigation assessed whether potential offsite sources have contributed to petroleum hydrocarbons found in the subsurface at the site.

During the January 2008 investigation, no chemicals of concern were reported in soil samples at concentrations above the laboratory's reporting limit. In the grab groundwater samples collected from the borings, no chemicals of concern were reported at concentrations at or above the laboratory's reporting limit, except for TPH-g and TPH-d in the groundwater samples collected from MW-4 and MW-5. In the samples from MW-4 and MW-5, TPH-g was reported slightly above the laboratory's 50 µg/L reporting limit, at 56-µg/L and 55-µg/L, respectively. In the sample collected from MW-5, TPH-d was reported at a concentration of 544 µg/L. All of these concentrations are below their respective and most current (May 2008) ESLs.

2.2.3 Previous Quarterly Groundwater Monitoring/Beneficial Use of Groundwater

Since March 2007, quarterly groundwater monitoring at the site has been conducted in MW-1, MW-2, and MW-3, and since January 2008 in MW-4 and MW-5. Table 1 presents the monitoring well construction details and Table 2 presents depth to water measurements and groundwater surface elevations. Table 3 presents final groundwater purge characteristics prior to sample collection and Table 4 presents a summary of the chemical data.

As part of the fourth quarter groundwater sampling event conducted in December 2007, to confirm the high electrical conductivity (EC) measurements obtained with field instruments, total dissolved solids (TDS) analysis was performed on groundwater samples collected from MW-1, MW-2, and MW-3. Reported TDS levels ranged from 8,600,000 mg/L to 17,000,000 milligrams per liter (mg/L). The results are summarized in Table 4. San Francisco Regional Water Quality Control Board (SFRWQCB) Resolution No. 89-39, "Sources of Drinking Water," states that if the EC of groundwater exceeds 5000 uS/cm EC (3,000 mg/L TDS) the water is not expected to be reasonably suitable to supply a public water system. Therefore, based on Resolution 89-39 and the TDS data from the ground-water samples collected in December 2007, groundwater beneath the 700 Independent Road property cannot reasonably be considered to have an actual or potential beneficial use as a source for drinking water.

2.2.4 In Situ Chemical Oxidation Treatment

In December 2008, Kleinfelder performed a pilot test to assess the effectiveness of in situ chemical oxidation to treat petroleum hydrocarbons in the site's subsurface and obtain design parameters for the potential implementation of full scale chemical oxidation treatment at the site. The pilot test consisted of injecting modified Fenton's reagent (containing hydrogen peroxide and an iron catalyst) into the subsurface. Using direct push technology, reagent injection was performed at 11 locations in the vicinity of the UST's former location. On December 1, 2008, prior to reagent injection, baseline soil and/or groundwater samples were collected from two borings drilled in the vicinity of the former UST, and from wells MW-1, MW-2, and MW-3. Baseline groundwater sampling was carried out concurrently with the fourth quarter 2008 monitoring event. In addition to petroleum hydrocarbons, the baseline soil and groundwater samples were analyzed for metals, major ions, hexavalent chromium, dissolved ferrous iron, alkalinity as calcium-carbonate, total organic carbon, and TDS.

On January 12, 2009, approximately one month after the pilot test was performed, soil borings for soil sample collection were drilled, and groundwater samples to assess the effectiveness of the chemical oxidation treatment were collected from monitoring wells MW-1, MW-2 and MW-3. The analytical results demonstrated a concentration reduction in the chemicals of concern and the effectiveness of in situ chemical oxidation. Further chemical oxidation treatment was recommended and scheduled for the second quarter 2009. The pilot test procedures and a summary of the results are described in the report titled In situ Chemical Oxidation Pilot Test Report, 700 Independent Road, Oakland California, prepared by Kleinfelder on March 18, 2009.

A second round of in-situ chemical oxidation injection was performed between May 27 and June 4, 2009. Field work and analytical results of this remediation work were summarized in the report titled Second In situ Chemical Oxidation Treatment Report, 700 Independent Road, Oakland California, prepared by Kleinfelder on August 26, 2009.

3.0 FIELD ACTIVITIES

This section summarizes the monitoring activities performed during in the third quarter 2009 groundwater monitoring event.

3.1 GROUNDWATER MONITORING ACTIVITIES

The third quarter 2009 groundwater-monitoring event took place on September 1, 2009. Prior to monitoring activities, field instrumentation was checked and calibrated.

3.1.1 Water Level Measurements

Prior to groundwater sample collection, using a clean, calibrated electronic water-level indicator, the depth to water in each well was measured to the nearest 0.01-foot. Water-level measurements were used to calculate the volume of water present in the well and to calculate groundwater elevation and groundwater flow patterns at the site. Water level measurements and groundwater flow patterns are discussed in Section 4.1.

3.1.2 Groundwater Sample Collection

Upon completing water-level measurements, and prior to collecting groundwater samples, Kleinfelder purged approximately three casing volumes from each monitoring well using a peristaltic pump. During purging, pH, temperature, and EC were measured. Samples were collected when these field parameters became stable (three measurements within 10% of each other), or after three well casing volumes had been removed.

After purging, groundwater samples from each monitoring well were collected and contained in laboratory-supplied containers. The containers were labeled and subsequently placed into a pre-chilled cooler with ice, pending delivery to the laboratory for chemical analysis. Samples were delivered to a State-certified laboratory under chain of custody protocol.

3.1.3 Analytical Laboratory Parameters

Torrent Laboratory, Inc., a State-certified analytical laboratory, performed the chemical analysis for the third quarter 2009 groundwater monitoring event. Samples were analyzed for the following parameters:

- TPH-d using Environmental Protection Agency (EPA) Method 8015M, and
- Benzene, toluene, ethylbenzene, xylenes (BTEX) and TPH-g, using EPA Method 8260B.

3.2 DECONTAMINATION PROCEDURES

Prior to performing groundwater level measurements, and between measurements at each well location, the electronic water level indicator probe and cable was cleaned with an Alconox™ water solution and subsequently rinsed with tap water, followed by distilled water. Purging and sampling was performed using individually allocated tubing for each well.

3.3 INVESTIGATION-DERIVED WASTE HANDLING PROCEDURES

Investigation-derived wastes, consisting of well purge water and decontamination rinsate fluids, were contained in one United States Department of Transportation (DOT)-approved 55-gallon drum. Prior to use, the drum was inspected for physical integrity and condition. The drum was left onsite with an appropriate label identifying the waste source location, physical contents, date, and generator's name.

The purge water and rinsate fluid contained in the drum was transported by NRC Environmental Services to Crosby and Overton in Long Beach, California as non-hazardous waste on September 3, 2009.

4.0 MONITORING RESULTS

Depth to groundwater and groundwater samples for chemical analysis were collected on September 1, 2009 from each of the five monitoring wells at the site. This section summarizes the water-level measurements and groundwater chemical analysis results. Table 1 provides monitoring well construction details. Plate 3 shows the location of the monitoring wells.

4.1 GROUNDWATER LEVELS

Depth to groundwater was measure in each well from the top of casing. On September 1, 2009, the depth to groundwater ranged from 4.98 to 5.98 feet. Groundwater surface elevations ranged from 3.77 to 5.52 feet (NAVD, 1988). Table 2 presents a summary of groundwater level data. Since June 30, 2009, the last time Kleinfelder measured groundwater water levels, groundwater surface elevations declined by 0.16 to 0.4 feet, except in MW-3 where groundwater surface elevation rose by 0.7 feet.

Water-level measurements were used to estimate groundwater surface elevation contours and groundwater flow patterns, shown on Plate 3. Based on the September 1, 2009 depth to groundwater data, groundwater beneath the site was estimated to flow towards the north and east. The hydraulic gradient varied considerably at the site and therefore was not estimated. The third quarter 2009 flow directions are generally similar to those found previously at the site, with the exception of a higher water elevation mound observed in the area of monitoring well MW-3.

4.2 GROUNDWATER SAMPLE RESULTS

On September 1, 2009 groundwater samples were collected from wells MW-1, MW-2, MW-3, MW-4, and MW-5 and analyzed for TPH-g, TPH-d, and BTEX. Groundwater purge data, groundwater analytical results, and quality assurance / quality control data are discussed in the following sections.

4.2.1 Purge Characteristic Data

Prior to groundwater sample collection, the wells were purged to allow the inflow of water from the water bearing zones. Temperature, pH and EC were measured during purging. Table 3 presents final purge characteristic data.

4.2.2 Total Petroleum Hydrocarbons and Volatile Organics

Groundwater analytical results are summarized in Table 4. Certified analytical laboratory reports are included in Appendix B.

4.2.2.1 Environmental Screening Levels (ESLs)

The SFRWQCB developed ESLs for use as initial indicators of potential impacts to human health or the environment. Kleinfelder compared the reported concentrations of each reported compound to its respective most-stringent ESL, as available and presented in the SFRWQCB's guidance document *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Interim Final – November 2007, revised May 2008). Kleinfelder referenced the ESLs for groundwater where groundwater is not a current or potential source of drinking water based on the finding that the shallow groundwater at the site is not suitable as a source of drinking water per SFRWQCB Resolution No. 89-39 (see Section 2.2.3).

4.2.2.2 Total Petroleum and Aromatic Hydrocarbon Results

Historically, the presence of chemicals of concern has been reported above the laboratory's reporting limit in groundwater samples collected from monitoring wells MW-1 and MW-2. In the samples collected during the third 2009 groundwater monitoring event, the concentrations of TPH-g and benzene in MW-1 and MW-2, and the concentrations of TPH-d, ethylbenzene and xylenes in MW-2, were reported at slightly higher concentrations compared to the concentrations reported in the second 2009 groundwater monitoring event. Although slightly higher, the reported concentrations were similar or lower than those reported during the first 2009 groundwater monitoring event and previous groundwater monitoring events.

In the groundwater sample from MW-1, TPH-d was not detected above the laboratory's reporting limit of 100 µg/L (the same results as in the second quarter groundwater monitoring event and lower than the 504 µg/L reported prior to the chemical oxidation treatment performed on May 27 and June 4, 2009). TPH-g was reported at 1,000 µg/L (compared to 870 µg/L reported during the second 2009 groundwater monitoring event). The current TPH-g result is over seven times lower in concentration than it was prior to the second chemical oxidation treatment. Benzene was reported at 130 µg/L (compared to 99 µg/L in June 2009). The benzene result is about eight times lower in concentration than its peak in March 2008. Toluene was reported at 7.7 µg/L (compared to 15 µg/L in June 2009); ethylbenzene was reported at 18 µg/L (compared to 33 µg/L in June 2009); and total xylenes were reported at less than 13 µg/L (compared to 34 µg/L in June 2009). Toluene, ethylbenzene and xylenes are all significantly below their respective peak concentrations and ESLs.

In the groundwater from MW-2, TPH-d was reported at 730 µg/L (658 µg/L in duplicate sample) (compared to the 657 µg/L reported in the second groundwater monitoring event and lower than the 3,770 µg/L reported prior to the chemical oxidation treatment performed on May 27 and June 4, 2009). TPH-g was reported at 26,000 µg/L (compared to 20,000 µg/L in June 2009). The TPH-g result is half of its peak concentration in the well. Benzene was reported at 13,000 µg/L (11,000 µg/L in duplicate sample) (compared to 7,600 µg/L in June 2009). Toluene was reported at 54 µg/L (compared to < 44 µg/L in June 2009); ethylbenzene was reported at 780 µg/L (compared to 400 µg/L in June 2009); and total xylenes were reported at 510 µg/L (compared to 330 µg/L in June 2009). The recent benzene and ethylbenzene concentrations are each about half of their peak, pretreatment concentrations. The recent toluene and total xylenes concentrations less than one tenth of their pretreatment concentrations.

Chemicals of concern were not detected at concentrations at or above the laboratory's reporting limit in the groundwater samples collected from MW-3, MW-4, and MW-5.

In the groundwater samples from MW-1 and MW-2, TPH-g and benzene were reported at concentrations above their ESL of 210 µg/L and 46 µg/L, respectively. In MW-2, TPH-d, TPH-g, benzene, ethylbenzene and total xylenes were reported above their respective ESLs of 210 µg/L, 210 µg/L, 46 µg/L, 43 µg/L, and 100 µg/L.

4.2.3 Quality Assurance / Quality Control

For the current set of samples, laboratory quality assurance / quality control parameters did not deviate from accepted norms. Samples were preserved and transported to the laboratory under chain-of-custody control protocols. All samples were analyzed within holding times, method blanks were not found to contain chemicals of interest, and surrogate recoveries were within accepted ranges. The analytical results of the duplicate sample (MW-2 dup) were within 10 percent of the analytical results from MW-2, indicating good laboratory precision.

5.0 SUMMARY OF RESULTS

This section presents a summary of the monitoring results from the groundwater monitoring event performed in September 1, 2009.

5.1 HYDRAULIC CONDITIONS

In September 1, 2009, groundwater was inferred to flow to the north and east (Plate 3). This flow pattern is generally similar to the groundwater flow patterns inferred in the past. Between June and September 2009, groundwater surface elevations declined by 0.16 to 0.4 feet, except in MW-3 where groundwater surface elevation rose by 0.7 feet. The decline in groundwater surface elevation can be explained by the lack of rainfall and associated groundwater recharge; however cause of the groundwater surface elevation rise of 0.7 feet in MW-3 is unknown.

5.2 WATER QUALITY

Compared to the chemicals of concern concentrations reported in June 2009, TPH-g in the samples from MW-1 and MW-2, and TPH-d, benzene, ethylbenzene, and xylenes in the sample from MW-2 in September 2009 were reported at slightly higher concentrations, but at lower or similar concentrations than those reported in March 2009, before the second subsurface chemical oxidation treatment implemented between May 27 and June 4, 2008. Each of the chemicals of concern is now found at concentrations significantly below their respective peak concentrations. No chemicals of concern were detected at concentrations above the laboratory's reporting limit in the groundwater samples from MW-3, MW-4, and MW-5. The analytical quality control data were within accepted laboratory norms and the analytical results are considered reliable.

6.0 RECOMMENDATIONS

As discussed in previous reports the site represents a low risk impacted groundwater case:

- The leak has been stopped and ongoing sources have been removed.
- The site has been adequately characterized.
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors have been impacted
- The site presents no significant risk to human health, and
- The site presents no significant risk to the environment.

Residual petroleum hydrocarbons in groundwater have been reduced and are limited to the immediate vicinity of monitoring wells MW1- and MW-2.

Groundwater monitoring has been performed since March 2007. As requested in a letter from ACEHS dated July 24, 2009, quarterly groundwater monitoring will continue at the site. Kleinfelder recommends four additional quarters of monitoring to further demonstrate that the residual impacted ground water is limited in extent and stable after which Kleinfelder will recommend monitoring be discontinued and a finding of no further action be made having met the requirements for a low risk site.

7.0 LIMITATIONS

Kleinfelder prepared this report in accordance with generally accepted standards of care that exist in Alameda County at the time this investigation was performed. All information gathered by Kleinfelder is considered confidential and will be released only upon written authorization of EOP or as required by law.

Kleinfelder offers various levels of investigation and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present. Although risk can never be eliminated, more-detailed and extensive investigations yield more information, which may help understand and manage the level of risk. Since detailed investigation and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface investigations or field tests, may be performed to reduce uncertainties. Acceptance of this report will indicate that EOP has reviewed the document and determined that it does not need or want a greater level of service than that provided.

During the course of the performance of Kleinfelder's services, hazardous materials may be discovered. Kleinfelder will assume no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this reports should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order. EOP will be solely responsible for notifying all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the project site, either before or during performance of Kleinfelder's services. EOP will be responsible for all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

Regulations and professional standards applicable to Kleinfelder's services are continually evolving. Techniques are, by necessity, often new and relatively untried. Different professionals may reasonably adopt different approaches to similar problems. As such, our services are intended to provide EOP with a source of professional advice, opinions and recommendations. Our professional opinions and recommendations are/will be based on our limited number of field observations and tests, collected and performed in accordance with the generally accepted engineering practice that exists at the time and may depend on, and be qualified by, information gathered previously by others and provided to Kleinfelder by EOP. Consequently, no warranty or guarantee, expressed or implied, is intended or made.

TABLES

Table 1
Monitoring Well Construction Details
700 Independent Road, Oakland, California

Construction Details by Depth Intervals (Feet Below Ground Surface)								Survey Data			
								Top of Casing Elevation (Feet ¹)	Vault Elevation (Feet ¹)	Longitude	Latitude
Well ID	Installation Date	Boring Depth	Solid Casing	Screen Interval	Sand Pack	Bentonite Seal	Grout Seal				
MW-1	3/5/2007	25.0	0.25-15	15-25	13-25	11-13	0.75-11	9.64	9.96	-122.2052412	37.7569160
MW-2	3/5/2007	25.0	0.25-10	10-20	8-20	6-8 / 20-25	0.75-6	9.53	9.85	-122.2054245	37.7568140
MW-3	3/5/2007	25.0	0.25-13	13-23	11-24	9-11	0.75-9	10.79	11.10	-122.2054503	37.7569371
MW-4	1/23/2008	25.0	0.25-15	15-25	14-25	13-14	0.75-13	9.61	10.35	-122.2051431	37.7570547
MW-5	1/23/2008	28.0	0.25-18	18-28	17-28	16-17	0.75-16	9.75	10.06	-122.2056247	37.7569999

Notes:

¹ Survey elevations North American Vertical Datum of 1988 (NAVD88), horizontal NAD 83.

Survey of MW-1, MW-2 and MW-3 by PLS Surveys, Inc., April 4, 2007

Survey of MW-4 and MW-5 by PLS Surveys, Inc., February 14, 2008

msl = mean sea level

Table 2
Depth to Water Measurements and Ground Water Surface Elevations
700 Independent Road, Oakland, California

Well ID	Date Measured	Depth to Water (feet)	Groundwater Surface Elevation (feet ¹)
MW-1	4/13/2007	4.67	4.97
	9/10/2007	5.15	4.49
	12/17/2007	5.29	4.35
	2/18/2008	5.91	3.73
	3/28/2008	4.41	5.23
	6/11/2008	4.73	4.91
	12/1/2008	5.91	3.73
	3/12/2009	4.53	5.11
	6/30/2009	4.86	4.78
9/1/2009	5.21	4.43	
MW-2	4/13/2007	4.61	4.92
	9/10/2007	5.42	4.11
	12/17/2007	5.02	4.51
	2/18/2008	4.78	4.75
	3/28/2008	4.35	5.18
	6/11/2008	4.65	4.88
	12/1/2008	5.33	4.20
	3/12/2009	4.25	5.28
	6/30/2009	4.82	4.71
9/1/2009	4.98	4.55	
MW-3	4/13/2007	5.75	5.04
	9/10/2007	6.26	4.53
	12/17/2007	6.16	4.63
	2/18/2008	5.55	5.24
	3/28/2008	5.63	5.16
	6/11/2008	5.90	4.89
	12/1/2008	6.51	4.28
	3/12/2009	5.49	5.30
	6/30/2009	5.97	4.82
9/1/2009	5.27	5.52	
MW-4	4/13/2007	--	--
	9/10/2007	--	--
	12/17/2007	--	--
	2/18/2008	5.08	4.53
	3/28/2008	5.12	4.49
	6/11/2008	5.00	4.61
	12/1/2008	6.07	3.54
	3/12/2009	5.08	4.53
	6/30/2009	5.37	4.24
9/1/2009	5.77	3.84	
MW-5	4/13/2007	--	--
	9/10/2007	--	--
	12/17/2007	--	--
	2/18/2008	5.25	4.50
	3/28/2008	5.32	4.43
	6/11/2008	5.86	3.89
	12/1/2008	6.23	3.52
	3/12/2009	5.27	4.48
	6/30/2009	5.62	4.13
9/1/2009	5.98	3.77	

Notes:

¹ Survey elevations North American Vertical Datum of 1988 (NAVD88).
Top of casing elevations for MW-1, MW-2 and MW-3 surveyed 4/4/07 by PL:
Top of casing elevations for MW-4, and MW-5 surveyed 2/14/08 by PLS Sur

Table 3
Final Groundwater Purge Characteristics
700 Independent Road, Oakland, California

Well ID	Date Sampled	Gallons Purged	Final pH	Final Specific Conductivity (µmhos/cm)	Final Temperature (degrees C)
MW-1	9/10/2007	8.0	6.78	> 3,999 ^a	18.7
	12/17/2007	10.0	6.84	> 3,999 ^a	17.2
	3/28/2008	10.3	6.83	21,607	16.5
	6/11/2008	17.0	7.21	21,236	17.2
	12/1 & 2/2008	11.0	6.63	26,376	17.7
	3/12/2009	11.0	6.44	26,916	17.1
	6/30/2009	11.2	8.45	--	17.3
	9/1/2009	5.1	6.69	19,020	14.9
MW-2	9/10/2007	6.8	6.70	> 3,999 ^a	19.4
	12/17/2007	7.0	6.70	> 3,999 ^a	17.8
	3/28/2008	10.3	6.89	22,932	15.9
	6/11/2008	11.7	6.91	24,775	17.7
	12/1 & 2/2008	7.5	6.55	24,976	18.3
	3/12/2009	7.5	6.55	14,014	16.3
	6/30/2009	7.6	5.59	--	17.0
	9/1/2009	5.25	6.5	16,349	15.0
MW-3	9/10/2007	8.5	6.97	> 3,999 ^a	23.3
	12/17/2007	9.0	7.11	> 3,999 ^a	20.9
	3/28/2008	11.0	7.04	12,686	18.9
	6/11/2008	14.3	7.68	12,695	20.9
	12/1 & 2/2008	9.0	6.96	13,537	21.4
	3/12/2009	9.5	6.78	12,490	19.3
	6/30/2009	8.4	6.89	--	21.6
	9/1/2009	5.0	6.82	9,517	--
MW-4	1/31/2008	12.0	7.04	> 3,999 ^a	18.7
	3/28/2008	16.0	7.15	12,069	17.8
	6/11/2008	16.0	7.71	13,331	19.7
	12/1 & 2/2008	10.0	7.04	12,824	20.8
	3/12/2009	10.0	6.87	14,278	19.4
	6/30/2009	10.3	6.64	--	18.8
	9/1/2009	4.5	7.05	12,661	19.1
MW-5	1/31/2008	12.0	6.85	> 3,999 ^a	19.2
	3/28/2008	11.0	7.05	7,574	19.9
	6/11/2008	16.0	7.02	7,406	19.8
	12/1 & 2/2008	11.0	6.89	8,774	20.0
	3/12/2009	16.0	6.72	9,151	19.7
	6/30/2009	11.9	6.99	--	19.2
	9/1/2009	5.5	6.93	7,023	19.1

Acronyms:

- a Exceeds equipment limits
- C Celsius
- µmhos/cm microsiemens per centimeter
- Not Available. Conductivity measurements for the June 30, 2009 report are not included due to equipment malfunction

Table 4
Total Petroleum Hydrocarbons, Volatile Organics and Total Dissolved Solids In Groundwater
700 Independent Road, Oakland, California

Sample Location	Date Sampled	TPH-d	TPH-g	Benzene	Butylbenzene (sec-)	1,2 Dichloroethane	Ethylbenzene	Isopropylbenzene	Isopropyltoluene (4-)	Naphthalene	Propylbenzene (n-)	Toluene	Trimethylbenzene (1,2,4)	Trimethylbenzene (1,3,5)	Xylenes, total	Methyl tert butyl ether	Total Dissolved Solids
MW-1	3/19/2007	390a	3,300	162	NA	<1.1	60.2	NA	NA	NA	NA	205	NA	NA	351	<1.1	NA
	9/10/2007	315a	1,700b	145	0.9	<0.500	72.2	11.6	2.42	7.69	20.8	56.1	94.6	17.1	197	<0.500	NA
	12/17/2007	186a	1,510b	204	2.41	<0.500	78.6	9.96	1.69	4.35	19	15.1	67	6.12	56.7	<0.500	14,000,000
	3/28/2008	<100	12,000	1,020	NA	NA	161	NA	NA	NA	NA	19.1	NA	NA	60.0	<1.10	NA
	6/11/2008	235a	4,700	721	<4.40	<4.40	160	18.9	NA	<52.8	<4.40	84.8	132	11.0	126	<4.40	NA
	12/1&2/2008	484a	2,900	295	<4.40	<4.40	137	36.7	NA	298	88.4	27.1	501	35.1	218	<4.40	14,000,000
	3/12/2009	504	7,700	488	NA	NA	235	NA	NA	NA	NA	144	NA	NA	455	<4.40	NA
	6/30/2009	< 100	870	99	NA	NA	33	NA	NA	NA	NA	15	NA	NA	34	NA	NA
9/1/2009	< 100	1,000	130	NA	NA	18	NA	NA	NA	NA	7.7	NA	NA	< 13	NA	NA	
MW-2	3/19/2007	940a	38,000	11,600	NA	226	588	NA	NA	NA	NA	274	NA	NA	2,880	<13.2	NA
	9/10/2007	1690a	52,100b	15,800	<22.0	611	1,120	69.1	<22.0	231	143	552	1,270	650	5,420	<22.0	NA
	12/17/2007	3,770a	30,900b	13,300	<22.0	568	1,350	73	<22.0	227	118	172	1,230	352	2,330	<22.0	17,000,000
	3/28/2008	300a	47000b	12,600	NA	NA	619	NA	NA	NA	NA	67.3	NA	NA	1,040	<22.0	NA
	6/11/2008	1,030a	31,000	19,700	<44.0	542	1,090	<88.0	NA	<528	<44.0	81.0	154	731	1,410	<44.0	NA
	12/1&2/2008	965a	53,000	20,500	<44.0	468	1,240	<88.0	NA	196	125	<44.0	1,200	66.9	1,180	<44.0	17,000,000
	3/12/2009	862	40,000	10,300	NA	NA	1,050	NA	NA	NA	NA	91.5	NA	NA	980	<44.0	NA
	3/12/09 Dup	NA	42,000	10,900	NA	NA	1,030	NA	NA	NA	NA	95.9	NA	NA	995	<44.0	NA
	6/30/2009	657a	20,000	7,300	NA	NA	400	NA	NA	NA	NA	< 44	NA	NA	330	NA	NA
	6/30/2009Dup	624a	20,000	7,600	NA	NA	370	NA	NA	NA	NA	< 44	NA	NA	300	NA	NA
9/1/2009	680a	26,000	13,000E	NA	NA	780	NA	NA	NA	NA	54	NA	NA	510	NA	NA	
9/1/2009 Dup	730a	26,000	11,000	NA	NA	710	NA	NA	NA	NA	50	NA	NA	460	NA	NA	
MW-3	3/19/2007	<100	<50	<0.500	NA	<0.500	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.5	<0.500	NA
	9/10/2007	<100	<50	<0.500	<0.500	<0.500	<0.500	<1.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.5	<0.500	NA
	12/17/2007	<100	<50	<0.500	<0.500	<0.500	<0.500	<1.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.5	<0.500	8,600,000
	3/28/2008	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	7,700,000
	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	< 100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
9/1/2009	< 100	<50	<0.501	NA	NA	<0.501	NA	NA	NA	NA	<0.501	NA	NA	<1.50	NA	NA	
MW-4	1/31/2008	< 100	56.0b	< 0.500	NA	NA	< 0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	3/28/2008	<100	61d	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
9/1/2009	<100	<50	<0.501	NA	NA	<0.501	NA	NA	NA	NA	<0.501	NA	NA	<1.51	NA	NA	
MW-5	1/31/2008	544a	55.0b	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	< 1.50	<0.500	NA
	3/28/2008	<100	57d	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
9/1/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA	
ESL*		210	210	46	NE	200	43	NE	NE	24	NE	130	NE	NE	100	1800	NE

Notes:

All results in micrograms per liter (ug/l). Values in bold exceed corresponding ESLs.

a - Chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Lighter end hydrocarbons and hydrocarbon peaks within the diesel range quantified as diesel.

b - Although TPH-g is present, result is elevated due to the presence of non-target compounds within the gasoline quantitative range.

E - Estimated value. The amount exceeds the calibration range but within the linear range of instrument.

* ESL - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, Interim Final - November 2007 (revised May 2008). Lowest level reported from:

Table B. Environmental Screening Levels. Groundwater IS NOT a current or potential drinking water source.

Acronyms, abbreviations:

TPH-d - Total Petroleum Hydrocarbons - diesel

TPH-g - Total Petroleum Hydrocarbons - gasoline

Dup - duplicate sample

NE - Not established

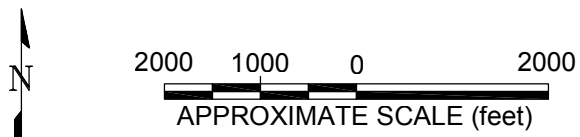
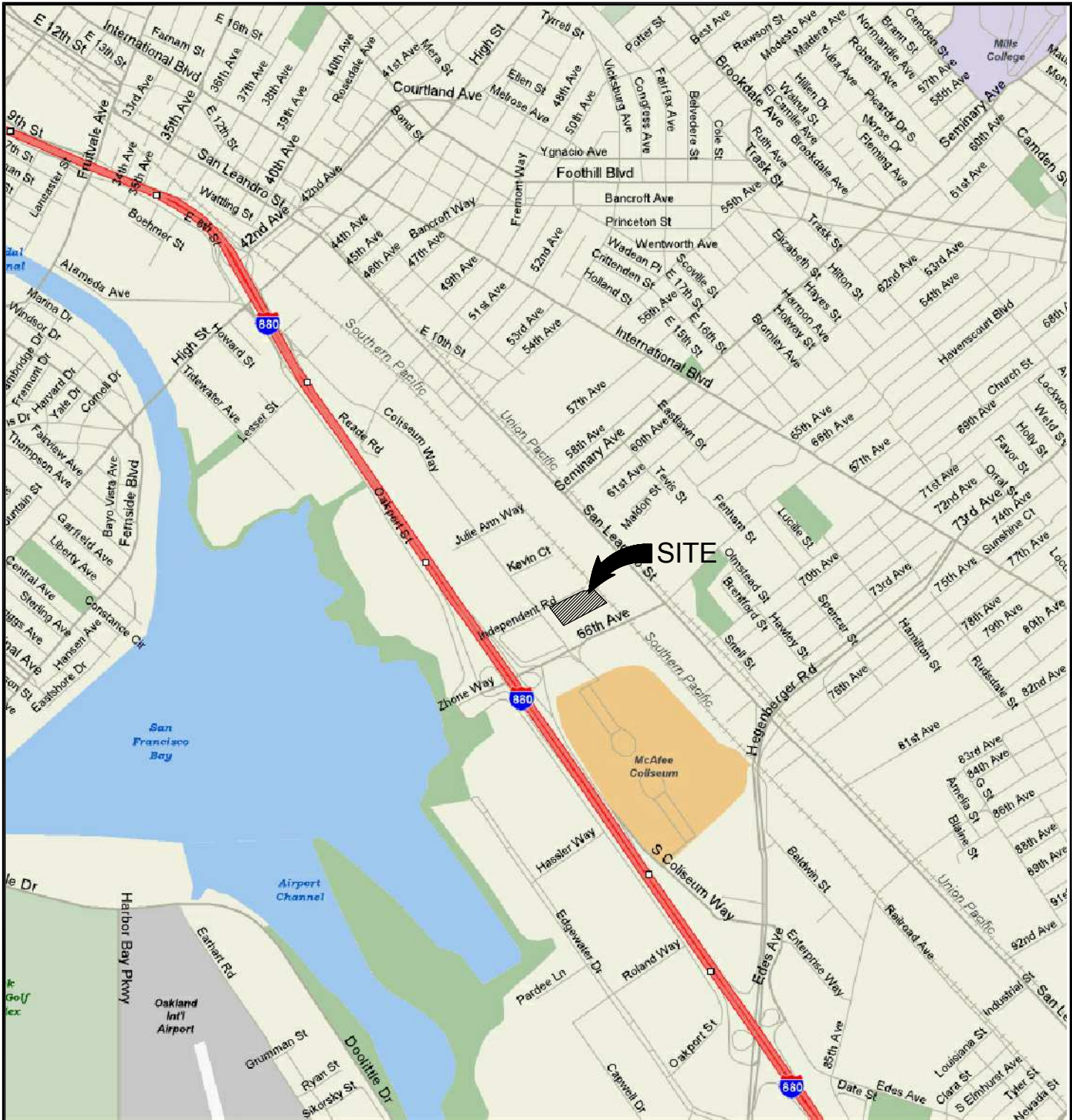
NA - Not analyzed

PLATES

PLOTTED: 15 Sep 2009, 9:25am, jsala

LAYOUT: Layout1

ATTACHED IMAGES: Images: VIC-MAP.jpg
 ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA
 PLEASANTON, CA CAD FILE: D:\PROJECTS\150504\18109-2009\1



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PROJECT NO.	54504
DRAWN:	SEPT 2009
DRAWN BY:	JDS
CHECKED BY:	AD
FILE NAME:	
SITE-VIC.dwg	

SITE VICINITY MAP

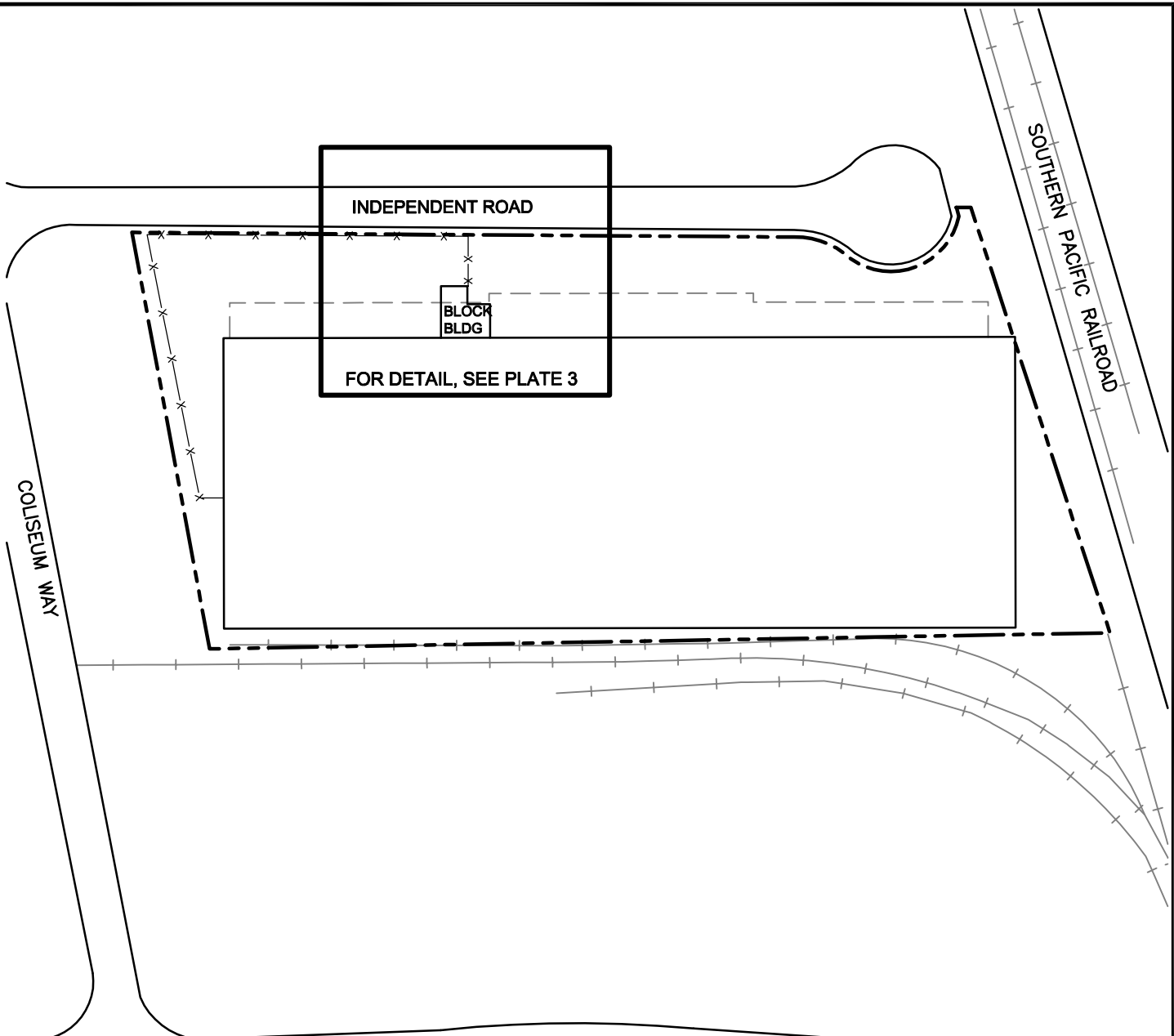
700 INDEPENDENT ROAD
 OAKLAND, CALIFORNIA

PLATE
1

PLOTTED: 15 Sep 2009, 9:26am, jsala

LAYOUT: PLATE 2

ATTACHED IMAGES: XRef: Eng-A 8x11 P_StyleA
PLEASANTON, CA
ATTACHED XREFS: CAD FILE: D:\PROJECTS\50504\8109-2009\



INDEPENDENT ROAD

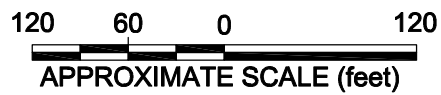
SOUTHERN PACIFIC RAILROAD

COLISEUM WAY

BLOCK BLDG

FOR DETAIL, SEE PLATE 3

66TH AVENUE



LEGEND

- PROPERTY BOUNDARY
- *-x-x- FENCE LINE
- LIMITS OF BUILDING OVERHANG

NOTE: Locations are approximate.

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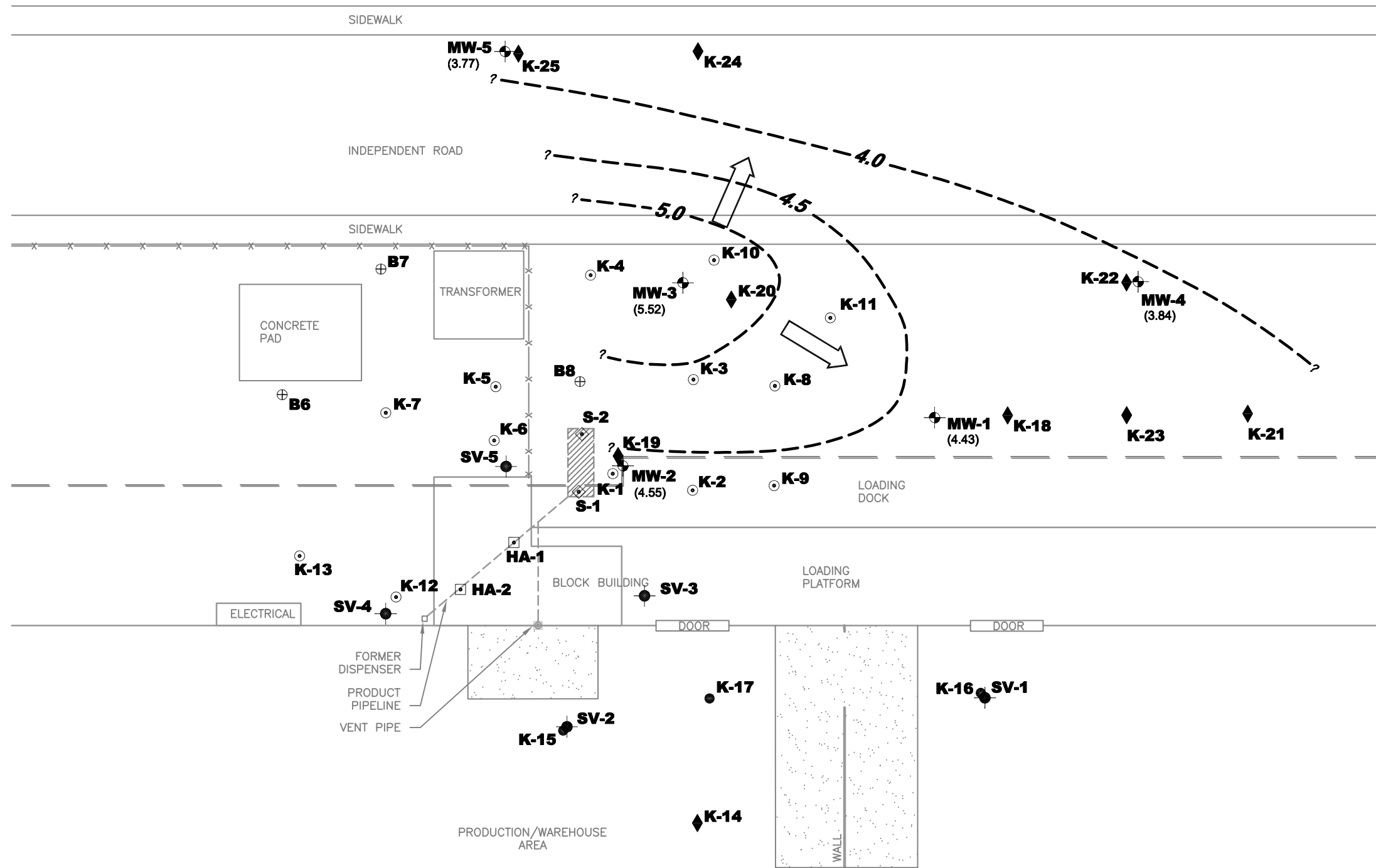
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DRAWN:	SEPT 2009
DRAWN BY:	JDS
CHECKED BY:	AD
FILE NAME:	SP OVERALL.dwg

SITE PLAN: OVERALL

700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

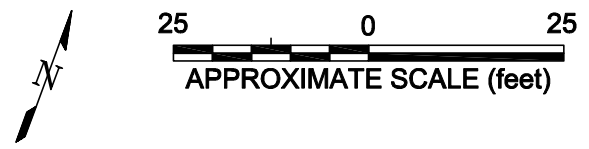
PLATE
2



- LEGEND**
- — ROOF OVERHANG
 - *-* FENCE
 - - - PRODUCT PIPELINE
 - ▨ FORMER UNDERGROUND STORAGE TANK
 - ⊕ MONITORING WELL (Kleinfelder, March 2007)
 - ⊙ SOIL VAPOR BORING (Kleinfelder, March 2007)
 - SOIL BORING depth 24-32 ft (Kleinfelder, March 2007)
 - ◆ SOIL BORING depth 38-45 ft (Kleinfelder, March 2007 and February 2008)
 - SOIL BORING (Kleinfelder, 2006)
 - ⊕ SOIL BORING (Golder Associates, August 2004)
 - HAND AUGER
 - ◇ UST CONFIRMATION SOIL SAMPLE
 - (5.52) GROUNDWATER ELEVATION (NAVD, 1988)
 - 5.0 - - - GROUNDWATER ELEVATION CONTOURS (NAVD, 1988)
 - ➡ APPROXIMATE DIRECTION OF GROUNDWATER FLOW with gradient

NOTE:
 Golder boring B8 located in the field.
 Locations of Golder borings B6 and B7 are approximate.

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PROJECT NO.	54504
DRAWN:	SEPT 2009
DRAWN BY:	JDS
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FILE NAME:	GW-CONT_9-2009.dwg

GROUNDWATER SURFACE ELEVATION CONTOURS AND ESTIMATED GROUNDWATER FLOW: SEPTEMBER 1, 2009	PLATE
	3
700 INDEPENDENCE ROAD OAKLAND, CALIFORNIA	

APPENDIX A
CHAIN-OF-CUSTODY RECORDS AND
CERTIFIED ANALYTICAL LABORATORY REPORTS



September 14, 2009 (Revision 1)

Alvaro Dominguez
KLEINFELDER
1970 Broadway, Suite 710
Oakland, CA 94612
TEL: 510-628-9000
FAX:

RE: 54504-D/Independent Rd - See narrative for revision details.

Order No.: 0909012

Dear Alvaro Dominguez:

Torrent Laboratory, Inc. received 6 samples on 9/1/2009 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,


Laboratory Director

9/14/09
Date

Patti Sandrock
QA Officer 

CLIENT: KLEINFELDER
Project: 54504-D/Independent Rd
Lab Order: 0909012

CASE NARRATIVE

TPH_GAS_W_GCMS, SAMPLE 0909012-001A: Note: x - Sample chromatogram does not resemble gasoline standard pattern. Although TPH as Gasoline constituents are present, TPH value includes a significant portion of unknown hydrocarbons within range of C5-C12 quantified as Gasoline that biases the quantitation.

Analytical Comments for METHOD 8260B_W_PETROLEUM, SAMPLE 0909012-002A: Note: E - Estimated value. The amount exceeds the calibration range but within linear working range of the instrument. Further serial dilution would introduce significant, unacceptable error in calculated value (upt to 60%).

TPH_GAS_W_GCMS, SAMPLE 0909012-002A, Note: TPH value partially due to individual peak within range of C5-C12 quantified as Gasoline (see 8260 results).

Analytical Comments for METHOD TPHDSG_W, SAMPLE 0909012-002A: Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

Analytical Comments for METHOD TPHDSG_W, SAMPLE 0909012-006A: Note: x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

TPH_GAS_W_GCMS, SAMPLE 0909012-006A, Note: TPH value partially due to individual peak within range of C5-C12 quantified as Gasoline (see 8260 results).

Revised 9/14/09 to include individual sample comment within case narrative format. No QC was affected by this revision.

(Rev 1)



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Alvaro Dominguez
KLEINFELDER

Date Received: 9/1/2009
Date Reported: 9/8/2009

Client Sample ID: MW-1
Sample Location: Independent Rd
Sample Matrix: WATER
Date/Time Sampled 9/1/2009 10:10:00 AM

Lab Sample ID: 0909012-001
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/4/2009	0.1	1	0.10	ND	mg/L	R20861
Surr: Pentacosane	SW8015B	9/4/2009	0	1	64.2-123	104	%REC	R20861
Benzene	SW8260B	9/2/2009	0.5	8.8	4.4	130	µg/L	R20843
Toluene	SW8260B	9/2/2009	0.5	8.8	4.4	7.7	µg/L	R20843
Ethylbenzene	SW8260B	9/2/2009	0.5	8.8	4.4	18	µg/L	R20843
Xylenes, Total	SW8260B	9/2/2009	1.5	8.8	13	ND	µg/L	R20843
Surr: Dibromofluoromethane	SW8260B	9/2/2009	0	8.8	61.2-131	118	%REC	R20843
Surr: 4-Bromofluorobenzene	SW8260B	9/2/2009	0	8.8	64.1-120	96.9	%REC	R20843
Surr: Toluene-d8	SW8260B	9/2/2009	0	8.8	75.1-127	94.4	%REC	R20843
TPH (Gasoline)	SW8260B(TPH)	9/2/2009	50	8.8	440	1000x	µg/L	G20843
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	9/2/2009	0	8.8	53-118	100	%REC	G20843

Note: x - Sample chromatogram does not resemble gasoline standard pattern. Although TPH as Gasoline constituents are present, TPH value includes a significant portion of unknown hydrocarbons within range of C5-C12 quantified as Gasoline that biases the quantitation.

Report prepared for: Alvaro Dominguez
KLEINFELDER

Date Received: 9/1/2009

Date Reported: 9/8/2009

Client Sample ID: MW-2
Sample Location: Independent Rd
Sample Matrix: WATER
Date/Time Sampled 9/1/2009 1:00:00 PM

Lab Sample ID: 0909012-002

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/4/2009	0.1	1	0.10	0.68x	mg/L	R20861
Surr: Pentacosane	SW8015B	9/4/2009	0	1	64.2-123	107	%REC	R20861

Note: x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

Benzene	SW8260B	9/2/2009	0.5	88	44	13000E	µg/L	R20843
Toluene	SW8260B	9/2/2009	0.5	88	44	54	µg/L	R20843
Ethylbenzene	SW8260B	9/2/2009	0.5	88	44	780	µg/L	R20843
Xylenes, Total	SW8260B	9/2/2009	1.5	88	130	510	µg/L	R20843
Surr: Dibromofluoromethane	SW8260B	9/2/2009	0	88	61.2-131	112	%REC	R20843
Surr: 4-Bromofluorobenzene	SW8260B	9/2/2009	0	88	64.1-120	98.0	%REC	R20843
Surr: Toluene-d8	SW8260B	9/2/2009	0	88	75.1-127	83.6	%REC	R20843

Note: E - Estimated value. The amount exceeds the calibration range but within linear working range of the instrument.

TPH (Gasoline)	SW8260B(TPH)	9/2/2009	50	88	4400	26000	µg/L	G20843
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	9/2/2009	0	88	53-118	75.0	%REC	G20843

Note: TPH value partially due to individual peak within range of C5-C12 quantified as Gasoline (see 8260 results).

Report prepared for: Alvaro Dominguez
KLEINFELDER

Date Received: 9/1/2009

Date Reported: 9/8/2009

Client Sample ID: MW-3
Sample Location: Independent Rd
Sample Matrix: WATER
Date/Time Sampled 9/1/2009 2:35:00 PM

Lab Sample ID: 0909012-003

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/4/2009	0.1	1	0.10	ND	mg/L	R20861
Surr: Pentacosane	SW8015B	9/4/2009	0	1	64.2-123	103	%REC	R20861
Benzene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Toluene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Ethylbenzene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Xylenes, Total	SW8260B	9/2/2009	1.5	1	1.5	ND	µg/L	R20843
Surr: Dibromofluoromethane	SW8260B	9/2/2009	0	1	61.2-131	118	%REC	R20843
Surr: 4-Bromofluorobenzene	SW8260B	9/2/2009	0	1	64.1-120	96.5	%REC	R20843
Surr: Toluene-d8	SW8260B	9/2/2009	0	1	75.1-127	93.3	%REC	R20843
TPH (Gasoline)	SW8260B(TPH)	9/2/2009	50	1	50	ND	µg/L	G20843
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	9/2/2009	0	1	53-118	87.9	%REC	G20843

Report prepared for: Alvaro Dominguez
KLEINFELDER

Date Received: 9/1/2009

Date Reported: 9/8/2009

Client Sample ID: MW-4
Sample Location: Independent Rd
Sample Matrix: WATER
Date/Time Sampled 9/1/2009 11:45:00 AM

Lab Sample ID: 0909012-004

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/4/2009	0.1	1	0.10	ND	mg/L	R20861
Surr: Pentacosane	SW8015B	9/4/2009	0	1	64.2-123	106	%REC	R20861
Benzene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Toluene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Ethylbenzene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Xylenes, Total	SW8260B	9/2/2009	1.5	1	1.5	ND	µg/L	R20843
Surr: Dibromofluoromethane	SW8260B	9/2/2009	0	1	61.2-131	104	%REC	R20843
Surr: 4-Bromofluorobenzene	SW8260B	9/2/2009	0	1	64.1-120	93.5	%REC	R20843
Surr: Toluene-d8	SW8260B	9/2/2009	0	1	75.1-127	89.9	%REC	R20843
TPH (Gasoline)	SW8260B(TPH)	9/2/2009	50	1	50	ND	µg/L	G20843
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	9/2/2009	0	1	53-118	69.8	%REC	G20843

Report prepared for: Alvaro Dominguez
KLEINFELDER

Date Received: 9/1/2009

Date Reported: 9/8/2009

Client Sample ID: MW-5
Sample Location: Independent Rd
Sample Matrix: WATER
Date/Time Sampled 9/1/2009 3:45:00 PM

Lab Sample ID: 0909012-005

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/4/2009	0.1	1	0.10	ND	mg/L	R20861
Surr: Pentacosane	SW8015B	9/4/2009	0	1	64.2-123	99.0	%REC	R20861
Benzene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Toluene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Ethylbenzene	SW8260B	9/2/2009	0.5	1	0.50	ND	µg/L	R20843
Xylenes, Total	SW8260B	9/2/2009	1.5	1	1.5	ND	µg/L	R20843
Surr: Dibromofluoromethane	SW8260B	9/2/2009	0	1	61.2-131	112	%REC	R20843
Surr: 4-Bromofluorobenzene	SW8260B	9/2/2009	0	1	64.1-120	98.9	%REC	R20843
Surr: Toluene-d8	SW8260B	9/2/2009	0	1	75.1-127	87.8	%REC	R20843
TPH (Gasoline)	SW8260B(TPH)	9/2/2009	50	1	50	ND	µg/L	G20843
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	9/2/2009	0	1	53-118	75.0	%REC	G20843

Report prepared for: Alvaro Dominguez
KLEINFELDER

Date Received: 9/1/2009

Date Reported: 9/8/2009

Client Sample ID: MW-2D
Sample Location: Independent Rd
Sample Matrix: WATER
Date/Time Sampled 9/1/2009 1:05:00 PM

Lab Sample ID: 0909012-006

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/4/2009	0.1	1	0.10	0.73x	mg/L	R20861
Surr: Pentacosane	SW8015B	9/4/2009	0	1	64.2-123	101	%REC	R20861
Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.								
Benzene	SW8260B	9/2/2009	0.5	88	44	11000	µg/L	R20843
Toluene	SW8260B	9/2/2009	0.5	88	44	50	µg/L	R20843
Ethylbenzene	SW8260B	9/2/2009	0.5	88	44	710	µg/L	R20843
Xylenes, Total	SW8260B	9/2/2009	1.5	88	130	460	µg/L	R20843
Surr: Dibromofluoromethane	SW8260B	9/2/2009	0	88	61.2-131	108	%REC	R20843
Surr: 4-Bromofluorobenzene	SW8260B	9/2/2009	0	88	64.1-120	97.4	%REC	R20843
Surr: Toluene-d8	SW8260B	9/2/2009	0	88	75.1-127	91.7	%REC	R20843
TPH (Gasoline)	SW8260B(TPH)	9/2/2009	50	88	4400	26000	µg/L	G20843
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	9/2/2009	0	88	53-118	79.3	%REC	G20843

Note: TPH value partially due to individual peak within range of C5-C12 quantified as Gasoline (see 8260 results).

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

CLIENT: KLEINFELDER
Work Order: 0909012
Project: 54504-D

ANALYTICAL QC SUMMARY REPORT

BatchID: G20843

Sample ID MB_G20843	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 9/2/2009	RunNo: 20843						
Client ID: ZZZZZ	Batch ID: G20843	TestNo: SW8260B(TP	Analysis Date: 9/2/2009	SeqNo: 301119							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	10.33	0	11.36	0	90.9	53	118				

Sample ID LCS_G20843	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 9/2/2009	RunNo: 20843						
Client ID: ZZZZZ	Batch ID: G20843	TestNo: SW8260B(TP	Analysis Date: 9/2/2009	SeqNo: 301120							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	239.0	50	227	0	105	52.4	127				
Surr: 4-Bromofllurobenzene	10.11	0	11.36	0	89.0	53	118				

Sample ID LCSD_G20843	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 9/2/2009	RunNo: 20843						
Client ID: ZZZZZ	Batch ID: G20843	TestNo: SW8260B(TP	Analysis Date: 9/2/2009	SeqNo: 301121							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	231.0	50	227	0	102	52.4	127	239	3.40	20	
Surr: 4-Bromofllurobenzene	10.17	0	11.36	0	89.5	53	118	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0909012
Project: 54504-D

ANALYTICAL QC SUMMARY REPORT

BatchID: R20843

Sample ID MB_R20843	SampType: MBLK	TestCode: 8260B_W_PE	Units: µg/L	Prep Date: 9/2/2009	RunNo: 20843						
Client ID: ZZZZZ	Batch ID: R20843	TestNo: SW8260B	Analysis Date: 9/2/2009	SeqNo: 301110							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
Xylenes, Total	ND	1.5									
Surr: Dibromofluoromethane	13.35	0	11.36	0	118	61.2	131				
Surr: 4-Bromofluorobenzene	11.08	0	11.36	0	97.5	64.1	120				
Surr: Toluene-d8	10.53	0	11.36	0	92.7	75.1	127				

Sample ID LCS_R20843	SampType: LCS	TestCode: 8260B_W_PE	Units: µg/L	Prep Date: 9/2/2009	RunNo: 20843						
Client ID: ZZZZZ	Batch ID: R20843	TestNo: SW8260B	Analysis Date: 9/2/2009	SeqNo: 301111							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	16.84	0.50	17.04	0	98.8	66.9	140				
Toluene	14.40	0.50	17.04	0	84.5	76.6	123				
Surr: Dibromofluoromethane	12.79	0	11.36	0	113	61.2	131				
Surr: 4-Bromofluorobenzene	11.05	0	11.36	0	97.3	64.1	120				
Surr: Toluene-d8	10.23	0	11.36	0	90.1	75.1	127				

Sample ID LCSD_R20843	SampType: LCSD	TestCode: 8260B_W_PE	Units: µg/L	Prep Date: 9/2/2009	RunNo: 20843						
Client ID: ZZZZZ	Batch ID: R20843	TestNo: SW8260B	Analysis Date: 9/2/2009	SeqNo: 301112							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	16.50	0.50	17.04	0	96.8	66.9	140	16.84	2.04	20	
Toluene	13.86	0.50	17.04	0	81.3	76.6	123	14.4	3.82	20	
Surr: Dibromofluoromethane	12.35	0	11.36	0	109	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	9.820	0	11.36	0	86.4	64.1	120	0	0	0	
Surr: Toluene-d8	10.99	0	11.36	0	96.7	75.1	127	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0909012
Project: 54504-D

ANALYTICAL QC SUMMARY REPORT

BatchID: R20861

Sample ID WDSG090904A-MB	SampType: MBLK	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 9/4/2009	RunNo: 20861						
Client ID: ZZZZZ	Batch ID: R20861	TestNo: SW8015B		Analysis Date: 9/4/2009	SeqNo: 301323						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel-SG)	ND	0.10									
Surr: Pentacosane	0.09900	0	0.1	0	99.0	64.2	123				

Sample ID WDSG090904A-LCS	SampType: LCS	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 9/4/2009	RunNo: 20861						
Client ID: ZZZZZ	Batch ID: R20861	TestNo: SW8015B		Analysis Date: 9/4/2009	SeqNo: 301324						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel-SG)	0.5280	0.10	1	0	52.8	34.5	95.6				
Surr: Pentacosane	0.1020	0	0.1	0	102	64.2	123				

Sample ID WDSG090904A-LCS	SampType: LCSD	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 9/4/2009	RunNo: 20861						
Client ID: ZZZZZ	Batch ID: R20861	TestNo: SW8015B		Analysis Date: 9/4/2009	SeqNo: 301325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel-SG)	0.6780	0.10	1	0	67.8	34.5	95.6	0.528	24.9	30	
Surr: Pentacosane	0.09100	0	0.1	0	91.0	64.2	123	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

0909012

PROJECT NO. 54504-D		PROJECT NAME Independent Road			NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS										RECEIVING LAB: Torrent Lab - Milpitas	
L.P. NO. (PO. NO.)	SAMPLERS: (Signature/Number) B Stafford						TPH, J & BTEX by EPA 5210B TPH-d w/39 others by EPA 8015										INSTRUCTIONS/REMARKS Standard TAT	
DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX															
1	9-1-09 10:10	MW-1	H ₂ O	6	Varied	X	X											
2	13:00	MW-2		6		X	X											* -> VOA'S ARE NOT PRESERVED
3	14:35	MW-3		6		X	X											*
4	11:45	MW-4		6		X	X											*
5	15:45	MW-5		6		X	X											*
6	13:05	MW-2D		6		X	X											*
7																		
8																		
9																		Note:
10																		Sample Containers / Sample
11																		4 - 40ml VOA
12																		2 - Liter Amber
13																		
14																		
15																		
16																		
17																		
18																		Temp 20°C
19																		9-1-09
20																		

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 9-1-09 17:45	Received by: (Signature) <i>[Signature]</i>	Instructions/Remarks: (510) 628-9000 office 4 715-7570 mobile	Send Results To: Alvaro Dominguez adomingue@kleinfelder.com 1970 Broadway Suite 710 Attn: Oakland CA 94612
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)		